

DENTAL CATALOG

DEVELOPMENT



MANUFACTURE



REALIZATION



SERVICES



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in Russia

RUSSIAN LARGEST MANUFACTURER
OF DENTAL MATERIALS AND INSTRUMENTS



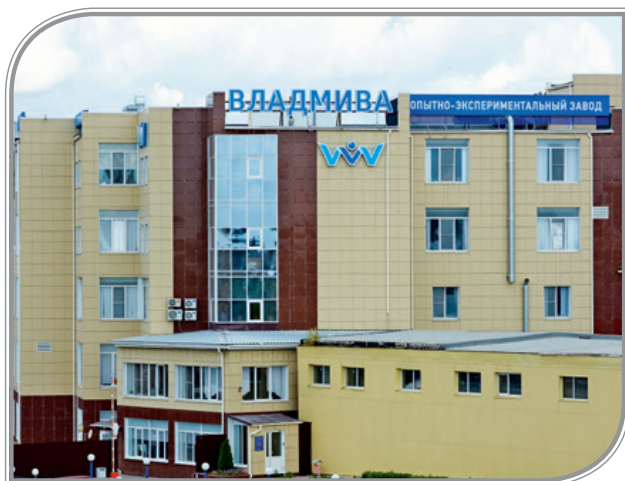




VLADMIVA
JSC Experimental Plant

DENTAL CATALOG

Belgorod - 2019



The main activity goal of the enterprise is participation in the process of import substitution, where for every expensive, high-quality imported dental material, which is in demand at the Russian market, we develop a Russian analog, which possesses similar consumer properties, but possesses a lower cost in production, and as result lower price. There is almost all range of dental materials in the list of the manufactured products: filling materials, endodontic, curing, prophylactic, orthopedic and dental tools. And this is not the full range.

One of the major and rather prospective branches of our activities is the development of a broad assortment of restorative materials, combining which a dentist could achieve optimal results in every definite clinical situation.

The enterprise is equipped with the newest high-tech equipment, which allows producing polymeric composite materials based on the filler, obtained with the utilization of nanotechnology, as well as various composite lining materials and composite dual-cure cement.



«VladMiVa» is a large holding, which includes companies, engaged in the development and manufacturing of materials, tools and equipment for dentistry. Multidivisional Trade House is active both in internal market and in export ones, as well as is the largest dentist clinic in Belgorod.

Today «Vladmiva» is the brand, which is known to almost all Russia's and neighboring countries' dentists. It is the largest Russian manufacturer, which produces over 300 positions of dental products, which is exported to over 70 countries of the world.

The products of the enterprise are the result of extensive interaction of Scientific Research and Development department with their colleagues from Russian universities and Scientific Centers, dental universities, and also dentists and dental technicians.



Every new material is the result of accurate marketing and scientific research and the constant attention of the company to the growing demands of the market. In recent years we observe revolutionary changes in the development of dental materials and technologies of their application. Today we can offer a broad list of biocompatible osteoplastic materials for surgery dentistry and maxillofacial surgery to dentists.

Dental burs with diamond heads «RosBel» are being produced at our factory since 2005. A wide range of work piece forms and diamond powder graininess (over 400 working forms) solves the rational and quality treatment issues.

Constant work on optimization of the system of quality of the products is performed on the enterprise. Due to constant growth and improvement of technologies, JSC «VLADMIVA» EXPERIMENTAL PLANT has successfully passed the certification of production on correspondence of system of quality management according to the international standard ISO 13485:2016 in 2011. In 2012-2013 certificates on several products in accordance with Directive 93/42 EEC were obtained, giving us the right to mark our products with CE marking, and it is the indicator that our products meet all the requirements of international quality standards.

We are glad to work for you!

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- BELACIN

SILICATE-PHOSPHATE

- BELADONT

POLYCARBOXILATE

- BELOCOR



PACKAGING

Powder one of the colors (A ₂ , A ₃ , B ₂ , C ₂)	20 g
Conditioner	10 ml
Varnish	10 ml
Set:	
Powder (A ₂)	20 g
Powder (A ₃ , B ₂ , C ₂)	10 g x 3
Conditioner	15 ml
Varnish	15 ml

NOTE:

One dose of material per one patient ~0.25 g

ANALOGUES FOR USE

«Aqua Ionofil plus» - «VOCO», Germany
«ChemFil Superior» - «Dentsply», USA

GLASS IONOMER WATER-CURED CEMENT AQUION

PURPOSE

- filling cavities of the 1st and the 2nd classes;
- filling milk teeth (all classes of cavities);
- filling of V class cavities (if aesthetic requirements are not the priority);
- treatment of non-carious affection of tooth hard tissues (wedge shaped defects, enamel erosion);
- temporary filling;
- modeling tooth stump to be crowned;
- lining for filling with composites and amalgams;
- fissure sealing.

FEATURES

«Aquiion» powder contains fluoroaluminum glass and polyacrylic acid. It is mixed with distilled water resulting in the obtainment of filling cement featuring rapid hardening and good adhesion to enamel and dentine and tight marginal seal.

«Aquiion» possesses high biological compatibility with tooth tissues, low solubility. The prolonged anti-carries effect is provided by fluoride ions secretion.

«Aquiion» cement has four shades (A₂, A₃, B₂, C₂ on VITA scale).



PACKAGING

Powder one of the colors (A ₂ , A ₃ , B ₂ , C ₂)	20 g
Conditioner	10 ml
Varnish	10 ml

NOTE:

One dose of material per one patient ~0.40 g

ANALOGUES FOR USE

«Ceramfil ART» - «PSP Dental», England

GLASS IONOMER WATER-CURED CEMENT AQUION-ART

PURPOSE

- filling cavities of the 1st and the 2nd classes;
- filling milk teeth (all cavities);
- filling of V class cavities (if aesthetic requirements are not the priority);
- treatment of non-carious affection of tooth hard tissues (wedge-shaped defects, enamel erosion);
- modeling tooth stump to be crowned;
- lining for filling with composites and amalgams;
- fissure sealing.

It is used for atraumatic restorative treatment of tooth caries (ART-method) in dentistry including pediatric one and provides for filling the cavity without preparation (after necrectomy by means of explorer) with strong adhesive material featuring anticaries effect.

FEATURES

«Aquiion-ART» glass-ionomer water-cured radiopaque cement is a fine powder containing fluoroaluminum glass, modified agents and polyacrylic acid. The powder should be mixed with distilled water resulting the obtainment of filling cement featuring tight marginal seal, providing high adhesion to enamel and dentine.

The material features high bio-compatibility with tooth tissues and stability, low solubility. The prolonged anti-carries effect is provided by fluoride ions release. The powder of «Aquiion-ART» cement has four colors (A₂, A₃, B₂, C₂ on VITA scale).

GLASS IONOMER SILVER CONTAINING RADIOOPAQUE CEMENT ARGECEM

«KALEIDOSCOPE» series - the material
for pediatric dentistry

PURPOSE

- filling milk teeth;
- modelling tooth stump to be crowned;
- treating permanent teeth (cavities of the 1st class);
- tunnel preparations;
- lining under different types of filling materials;
- sealing perforations in tooth furcation area;
- fissure sealing.

FEATURES

«Argecem» material contains fine silver particles increasing cement solidity, its abrasion stability, improving solidity characteristics and providing its radiopacity.

«Argecem» cement features chemical adhesion to dentine and enamel, low solubility, fluorine and silver ions release preventing secondary caries. The material meets the requirements of ISO 9917-91.

Due to silver contained in the material, «Argecem» has a grey color, and is not recommended to be used for filling front teeth because of the possibility of their coloring.



PACKAGING

Powder	20 g
Liquid	10 ml
Conditioner	10 ml
Varnish	10 ml

NOTE:

One dose of material per one patient ~0.25 g

ANALOGUES FOR USE

«Alpha Silver» - «DMG», Germany
«Argion» - «VOCO», Germany
«Ketac Silver» - «3M ESPE», Germany
«Miracle Mix» - «GC», Japan

GLASS IONOMER LIGHT-CURED CEMENT CEMILIGHT

PURPOSE

- restoration of carious cavities (I, II classes of Black);
- restoration of milk teeth (all classes of cavities);
- filling of V class cavities (if aesthetic requirements are not the priority);
- treatment of non-carious affection of tooth hard tissues (wedge shaped defects, enamel erosion);
- as isolating pad under permanent filling made of composites and amalgams.

FEATURES

«Cemilight» glass-polyalcalenate light-cured cement is produced as powder-liquid set. The cement features high adhesion to tooth tissues as well as to polymeric materials, provides tight marginal seal.

«Cemilight» powder is fine alumofluorinesilicate glass with radiopaque fillers. It has 4 colors (A₂, A₃, B₂, C₂ on VITA scale). «Cemilight» liquid is a composition comprising water solution of polyacrylic acid, oligomers and initiators of light polymerization.

The chemical reaction fluoroaluminium glass with polyacrylic acid provides building cement structure that promotes influence fluorine ions that effectively prevents development of second caries.

The photopolymerization reaction initiated by visible light gives the material stability at the initial stage of structuring.

It is not recommended to use «Cemilight» for direct pulp covering. When filling deep cavities on a dentin site located in close proximity to the pulp, a treating pad based on calcium hydroxide should be used («Calcesil»). The rest of the dentine surface is necessary to leave open for a chemical bond with «Cemilight» material.



PACKAGING

Powder one of the colors (A ₂ , A ₃ , B ₂ , C ₂)	20 g
Liquid	10 ml
Conditioner	10 ml
Varnish «Aksil-LC»	5 ml

Set:

Powder color A ₂	20 g
colors A ₃ , B ₂ , C ₂	10 g x 3
Liquid	10 ml x 2
Conditioner	15 ml
Varnish «Aksil-LC»	7 ml

NOTE:

One dose of material per one patient ~0.35 g

ANALOGUES FOR USE

«Photac Fil» - «3M Espe», Germany
«Ionolux» - «VOCO», Germany
«GC Fuji II LC Improved» - «GC», Japan

GLASS IONOMER CHEMICALLY-CURED LINING CEMENT CEMILINE



PACKAGING

Powder (A ₂)	20 g
Liquid	10 ml
Conditioner	10 ml

NOTE:

One dose of material per one patient ~0.15 - 0.30 g

ANALOGUES FOR USE

«GC Fuji Lining Cement» - «GC», Japan

PURPOSE

- prevention of secondary caries;
- as isolating or basic lining under permanent filling made of composites and amalgams;
- temporary filling at postponed treatment of complicated caries forms;
- fissure sealing.

FEATURES

Filling material «CemiLine» is produced as a complete powder-liquid set. Powder is fine silicate fluoaluminic glass with **increased contents of fluorine**, liquid is solution of modified polyacrylic acid. The prolonged release of fluorine ions promotes the remineralization of softened dentine, renders bactericidal action, effectively hinders to development of the secondary caries.

«CemiLine» material features high biocompatibility with tooth tissues, mechanical stability, high radiopacity. Good adhesion to enamel and dentine provides tight marginal seal. «CemiLine» isolates tooth pulp and dentine from chemical, bacterial and thermal effects.

GLASS IONOMER LIGHT-CURED LINING CEMENT CEMILINE-LC



PACKAGING

Powder A ₂	20 g
Liquid	10 ml
Conditioner	10 ml

NOTE:

One dose of material per one patient ~0.35 g

ANALOGUES FOR USE

«GC Fuji Lining LC» - «GC», Japan

PURPOSE

- prevention of secondary caries;
- as basic and isolating lining under permanent filling made of composites and amalgams;
- temporary filling at postponed treatment of complicated caries forms.

FEATURES

«Cemiline-LC» glass-ionomer cement is produced as powder-liquid set. «Cemiline-LC» powder is fine silicate fluoaluminic glass with **increased contents of fluorine**. «Cemiline-LC» liquid is a composition comprising water solution of polyacrylic acid, oligomers and initiators of light polymerization.

The cement has definitely expressed anti-cariogenic and bactericidal features, promotes the remineralization of softened dentine (due to increased fluoride secretion). High chemical similarity to both polymeric materials and tooth tissues provides tight marginal seal. The reaction of photopolymerization, initiated by visible light, gives the material stability at the initial stage of structuring.

UNIVERSAL GLASS IONOMER CEMENT CEMION

PURPOSE

- restoration of milk teeth (all cavities);
- filling cavities of the 1st and the 2nd classes;
- filling of V class cavities (if aesthetic requirements are not the priority);
- treatment of non-carious affection of tooth hard tissues (wedge shaped defects, enamel erosion);
- temporary filling with long-term treatment;
- fissure sealing;
- tooth stump buildup and restoration of the destroyed tooth structure to be crowned;
- lining for filling with composites and amalgams.

FEATURES

«Cemion» glass-ionomer chemically-cured radiopaque cement features good chemical adhesion to enamel and dentine. «Cemion» cement is obtained by mixing powder and liquid. The powder is fine fluoroaluminum glass. The liquid is water solution of modified polyacrylic acid.

Glass-ionomer reaction starts immediately after mixing the powder and the liquid, accompanied by the release of fluorine ions strengthening dentine, featuring bactericidal effect and preventing formation of secondary caries.

«Cemion» material features high biocompatibility with tooth tissues, strength and stability to acidic erosion, provides perfect marginal seal, radiopaque.



PACKAGING

Powder	20 g
one of the colors (A ₂ , A ₃ , B ₂ , C ₂ , C ₄)	
Liquid	10 ml
Conditioner	10 ml
Varnish	10 ml
Set:	
Powder	
color A ₂	20 g
colors A ₃ , B ₂ , C ₂	10 g x 3
Liquid	13 ml x 2
Conditioner	15 ml
Varnish	15 ml

NOTE:

One dose of material per one patient is used in two consistency: ~0.18 - 0.30 g; 0.7 g

ANALOGUES FOR USE

«Ionofil» - «VOCO», Germany
«Ketac Fil Plus» - «3M Espe», Germany
«Fuji-II» - «GC», Japan

UNIVERSAL GLASS IONOMER CEMENT CEMION -ART

Is used for **atraumatic restorative treatment of tooth caries (ART-method)** by means of handle treating caries cavity and minimal using of drill machine. ART-method is used in dentistry including pediatric one.

PURPOSE

- filling milk teeth (all cavities);
- filling cavities of the 1st and the 2nd classes;
- filling of V class cavities (if aesthetic requirements are not the priority);
- lining for filling with composites and amalgams;
- for modeling tooth stump to be crowned.

FEATURES

«Cemion-ART» glass-ionomer chemically-cured radiopaque cement specially manufactured for treatment according to ART method. «Cemion-ART» powder is fine fluoroaluminum silicate glass containing modifying agents. «Cemion-ART» liquid is water solution of polyacrylic acid. After mixing powder and liquid, quick-hardening filling material is obtained.

The material features good chemical adhesion to enamel and dentine, high compression strength, stability to acidic erosion. The anti-carious effect is provided due to the prolonged fluorine release.



PACKAGING

Powder	20 g
one of the colors (A ₂ , A ₃ , B ₂ , C ₂)	
Liquid	10 ml
Conditioner	10 ml
Varnish	10 ml
Powder	
one of the colors (A ₂ , A ₃)	15 g
Liquid	6.4 ml (8 g)

NOTE:

One dose of material per one patient ~0.25 g

ANALOGUES FOR USE

«Ketac Molar Art» - «3M Espe», Germany
«Fuji-IX» - «GC», Japan



PACKAGING

Powder (one of the colors)	20 g
Liquid	10 ml
Conditioner	10 ml
Varnish	10 ml
Set:	
Powder	
blue, yellow, green, crimson	15 g x 4
Liquid	13 ml x 2
Conditioner	15 ml
Varnish	15 ml

NOTE:

One dose of material per one patient ~0.7 g

ANALOGUES FOR USE

«Ionofil Color AC» - «VOCO», Germany

UNIVERSAL GLASS IONOMER CEMENT CEMION

«KALEIDOSCOPE» series - the material for
pediatric dentistry

PURPOSE

Restoration of milk teeth (mainly cavities of the 1st and the 2nd classes).

FEATURES

«Cemion» glass-ionomer chemically-cured radiopaque cement features good chemical adhesion to enamel and dentine.

«Cemion» filling material is obtained by mixing powder and liquid. The powder is fine fluoroaluminum glass. The liquid is water solution of modified polyacrylic acid.

«Cemion» material features high biocompatibility with tooth tissues, strength and stability to acidic erosion, radiopaque. Prolonged fluoride release strengthens dentine, renders bactericidal action and prevents the development of secondary caries.

Dental cement provides tight marginal seal, and bright coloring eases visual control of fillings integrity. The cement powder is produced in 4 bright colors: blue, yellow, green, and crimson. With colored fillings dentists have a chance to turn milk teeth curing into an interesting game, - a little patient chooses a filling of any color by himself. Food colorings, contained in the composition of the cement, are not washed out from the hardened material and meet the international standards norms.

LIGHT-CURED MICROHYBRID NANOCLUSTER COMPOSITE MATERIAL DENTLIGHT

PURPOSE

- restoration of cavities on incisors and molars of any classes (I-V);
- restoration of tooth stump;
- manufacturing of non-direct restorations (inlays, onlays, veneers);
- restoration of milk teeth;
- provisional restorations of ceramic chipping.

FEATURES

The base of «DentLight» microhybrid nanocluster composite universal consists of:

- high-strength polymeric matrix, containing Bis-GMA, UDMA, TEGDMA and other oligomers;
- radiopaque nano-filler (80-85 wt.% or 62-65 vol.%) which is a combination of modified bariumborosilicate clusters (0.1-3 µm) and nano-sized silica dioxide (5-75 nm), which allows achieving optimum results in combined processability, strength and aesthetics of the material.

The composite is cured by the light in the wavelength of 400-500 nm.

Microhybrid composite «DentLight» possesses the maximum-high indexes of the durability, promoted colorstability and comfortable plasticity which does him light by modelling.



PACKAGING

Professional SET

12 syringes | 80 caps.

Microhybrid composite «DentLight»
of colors:

(OB ₃ , OA ₂ , OA _{3,5} , DA ₂ , DA ₃ , DA _{3,5} , EA ₁ , EA ₂ , EA ₂ , EA ₃ , EB ₂ , ED ₂ , incisal edge)	4.5 g x 12	0.25 g x 5
Fluid composite «DentLight»-flow (A ₂)	2 g	0.25 g x 10
Adhesive one-component «DentLight»	5 ml	5 ml
Etching gel for enamel and dentine on organic base	3 ml	3 ml

Starter SET

5 syringes | 80 caps.

Microhybrid composite «DentLight»
of colors:

OA _{3,5} , DA ₃ , EA ₂ , EA ₃ , EB ₂	4.5 g x 5	0.25 g x 5
Fluid composite «DentLight»-flow (A ₂)	2 g	0.25 g x 10
Adhesive one-component «DentLight»	5 ml	5 ml
Etching gel for enamel and dentine on organic base	3 ml	3 ml

Composite paste of colors:

OA ₁ , OA ₂ , OA ₃ , OA _{3,5} , OB ₁ , OB ₂ , OB ₃ , OC ₂ , DA ₁ , DA ₂ , DA ₃ , DA _{3,5} , DB ₁ , DB ₂ , DC ₂ , EA ₁ , EA ₂ , EA ₃ , EA _{3,5} , EB ₁ , EB ₂ , EC ₂ , ED ₂	4.5 g	0.25 g x 20
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Available in set, in syringes and capsules.

NOTE:

One dose of material per one patient ~0.1 g

ANALOGUES FOR USE

«Filtek Ultimate», «Filtek-Z550» - «3M ESPE», USA

«Charisma Diamond» - «Heraeus kulzer», Germany

Composite has a wide color range at VITA scale and possesses four-level transparency for the imitation of dentine, enamel and incisal edge of the tooth.

Transparency level \ Tint	A ₁	A ₂	A ₃	A _{3,5}	B ₁	B ₂	B ₃	C ₂	D ₂
Opaque dentine (O)	+	+	+	+	+	+	+	+	
Dentine (D)	+	+	+	+		+			
Enamel (E)	+	+	+	+	+	+		+	+
Incisal edge	transparent								



LIGHT CURED MICROHYBRID NANOCLUSTER COMPOSITE MATERIAL UNIVERSAL SET DENTLIGHT



PACKAGING

Universal set (7 syringes):

Composite paste
of colors: UD, A₁, A₂, A₃, A_{3.5}, B₂, C₂ 4.5 g x 7
Adhesive one-component «DentLight» 5 ml
Etching gel for enamel and dentine on organic base 3 ml

Composite paste
of colors: UD, A₁, A₂, A₃, A_{3.5}, B₁, B₂, C₂ 4.5 g

Available in set, in syringes and capsules.

NOTE:

One dose of material per one patient ~0.1 g

ANALOGUES FOR USE

«Filtek-Z550» - «3M ESPE», USA

«Filtek Ultimate» - «3M ESPE», USA

«Charisma Diamond» - «Heraeus kulzer», Germany

PURPOSE

- restoration (reconstruction) of cavities of the anterior and posterior teeth in all clinical cases;
- restoration of the tooth stump;
- manufacture of indirect restorations
- inlays, onlays, veneers;
- restoration of primary teeth;
- provisional restorations of ceramic chipping.

FEATURES

The base of «DentLight» microhybrid nanocluster composite universal consists of:

- high-strength polymeric matrix, containing Bis-GMA, UDMA, TEGDMA and other oligomers;
- radiopaque nano-filler (80-85 wt.% or 62-65 vol.%) which is a combination of modified bariumborosilicate clusters (0.1-3 µm) and nano-sized silica dioxide (5-75 nm), which allows achieving optimum results in combined processability, strength and aesthetics of the material.

The composite is cured by the light in the wavelength of 400-500 nm.

«DentLight» microhybrid composite universal possesses the maximum-high indexes of the durability, increased color stability and comfortable plasticity which makes it easy by modeling.

This is mono-system of one transparency comparable with that of the intermediate transparency between dentine and enamel traditional composites.



The material has seven colors adapted to VITA scale: UD, A₁, A₂, A₃, A_{3.5}, B₂, C₂.

The adhesive system is presented by an etching gel for enamel and dentine on organic base and a fifth-generation one-component adhesive.

MOISTENING AGENT DENTLIGHT AQUA



PACKAGING

Liquid 5 ml

NOTE: *One dose of material per one patient ~ 0.05 ml*

ANALOGUES FOR USE

«AQUA-PREP» - «Bisco», USA

PURPOSE

Additional moisture of dentine before applying the hydrophilic adhesive systems.

FEATURES

«DentLight»-aqua moistening agent is an aqueous solution of hydroxyethyl methacrylate (HEMA), containing fluorinating additives and antiseptic.

«DentLight»-aqua keeps the dentine surface moistened, preventing the decay of the collagen fibers and increasing their permeability to hydrophilic (acetone-or alcohol-containing) adhesive resins. «DentLight»-aqua wets effectively the surface of dentine and creates a zone of suppression of caries in adjacent tooth tissues.

LIGHT-CURED FLUID NANOCUSTER COMPOSITE MATERIAL DENTLIGHT FLOW

PURPOSE

- as lining by composite filling;
- filling cavities of the 5th and 3rd classes;
- restoration of small defects of enamel;
- fissure sealing;
- splinting of movable teeth in combination with reinforcing glass fiber;
- repair of small ceramic defects and composite indirect restorations;
- esthetic correction of composite restoration.

FEATURES

Fluid composite "DentLight"-flow is a low viscosity light-cured paste based on methacrylate oligomers and modified fine nano-filler. Radiopaque filler is a combination of modified barium-borium-alumino-silicate clusters (0.1-3 microns) and nano-sized silica (5-75 nm).

Fluid composite "DentLight"-flow is produced different shades according to VITA scale A2, A3, A3.5, B2, C2, OA3, half-transparent/incisal edge).

With its optimal flow, the composite can be easily adapted to the cavity walls, provides complete wetting of the surface and compact fit without voids.

Fluid composite "DentLight"-flow is compatible to all light-cured composites and compomers and can be used in combination with above mentioned materials.

Using of enclosed needles for direct application allows to fill the material direct into prepare cavity.



PACKAGING

Paste	2 g
Available in syringes and capsules.	

NOTE:

One dose of material per one patient ~0.1 ml

ANALOGUES FOR USE

«Aelite Flo» - «Bisco», USA
«Filtek Flow» - «3M ESPE», USA

DENTLIGHT FLOW

«KALEIDOSCOPE» series - the material for pediatric dentistry

PURPOSE

- restoration of defects of natural tooth tissues;
- fissures sealing;
- fixation at splinting;
- temporary bite compensation;
- short-term interdental replacement;
- designation at filling the mouth of the root canals.

FEATURES

«DentLight»-flow fluid composite is a low viscosity light-cured paste based on polymer binder and modified radiopaque **nanofiller**. Composite paste is produced both transparent and in different colors (white, orange, red, gold, green, blue). It is universal in use in combination with all light-cured composites.



PACKAGING

Set	7 syringes caps.	
Paste	2.0 g x 7	0.25 g x 10
Etching gel on organic base	3 ml	3 ml
Adhesive		5 ml
Dispenser		1 pc

NOTE:

One dose of material per one patient ~0.1 ml

ANALOGUES FOR USE

«Aelite Flo» - «Bisco», USA
«Filtek Flow» - «3M ESPE», USA



PACKAGING

Paste	1 ml
Available in following colors: white, brown, ochre.	

NOTE:

One dose of material per one patient ~0.03 ml

ANALOGUES FOR USE

«Biscolor» - «Bisco», USA

«Tetric color» - «Ivoclar Vivadent», Liechtenstein

«Kolor plus» - «Keer», USA

LIGHT-CURED COLOR-CORRECTOR DENTLIGHT COLOR

PURPOSE

Creation of shades and toning various parts of composite restoration (incisal edge, gingival margin, fissures, etc.).

FEATURES

«DentLight»-color features a low-viscosity intensely colored light-cured microfilled composite pastes of different colors, compatible with all light-cured restoration composites.

«DentLight»-color color-corrector allows you to expand the color gamut of restoration materials and give even more natural restoration.



PACKAGING

Basic paste	4.5 g
Catalytic paste	4.5 g

NOTE:

One dose of material per one patient ~0.1 g

ANALOGUES FOR USE:

«Sbalacore DC» - «PD», Switzerland

«LuxaCore Dual» - «DMG», Germany

«Bis-Core» - «Bisco», USA

«Multi-Core HB» - «Ivoclar Vivadent», Liechtenstein

COMPOSITE MATERIAL FOR RESTORING A TOOTH STUMP DENTLIGHT-COR

PURPOSE

Restoration of tooth stump.

FEATURES

«DentLight-Cor» dental material features a composite based on high-strength polymer matrix containing a multifunctional methacrylate oligomers and modified fine-dispersed inorganic filler. Powdered radiopaque filler containing zirconium oxide has a special multi-level distribution of the particle size from 0.02 to 0.7 µm, which allows achieving the best results due to a combination of adaptability, stability and aesthetics of the material.

Composite «DentLight-Cor» has a dual-curing mechanism (chemical and light) and is produced in the form of two pastes (basic and catalytic). Basic paste can be used independently as a light-cured composite. Composite material «DentLight-Cor» has high strength, high color stability and plasticity, which makes it easy by modeling.



PACKAGING

Liquid	5 ml
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MODELING LIQUID DENTLIGHT MODELING AGENT

PURPOSE

Wetting contouring instruments and art brushes to facilitate work with highly filled composite materials.

FEATURES

«DentLight» modeling agent is light-cured material containing methacrylate oligomers, polymerization activators, stabilizers, nanofiller, does not contain a solvent. «DentLight» modeling agent promotes to eliminate the stickiness of the uncured composite material to the instruments used, improving the adaptation of highly filled composites to hard tooth tissues, as well as in layer-by-layer composite application technique.

LIGHT-CURED GUM COLOR COMPOSITE DENTLIGHT GINGIVAL MASS

PURPOSE

Cosmetic correction of the recession of the gingival margin with wedge-shaped defects in the gum border, as well as with gum retention:

- filling of V class defects according to Black (cervical caries, root erosion, wedge-shaped defects) with periodontal atrophy;
- covering of exposed necks of teeth with hyperesthesia, especially in the visible frontal area;
- aesthetic correction at improper teeth positioning during the installation of veneers, improvement of the esthetics of the gingival sulcus.

FEATURES

Fluid composite «DentLight» gingival mass is a low viscosity light-cured paste based on methacrylate oligomers and modified fine-dispersed nanofiller. Radiopaque filler is a combination of modified bariumborosilicate clusters (0.1-3 μm) and nano-sized silica dioxide (5-75 nm).

The basis of «DentLight» microhybrid composite is a high-strength polymer matrix containing Bis-GMA, urethane and other oligomers, and a modified fine-dispersed inorganic filler (about 80 wt.%). The composite is cured by the light in the wavelength of 400-500 nm. Powdered radiopaque filler has a special multi-level distribution of the particle size from 0.02 to 0.7 μm , which allows achieving the best results due to combination of adaptability, stability and aesthetics of the material.



PACKAGING

Composite paste	4.5 g
Fluid composite	2 g

ONE-COMPONENT LIGHT-CURED ADHESIVE DENTLIGHT

PURPOSE

Strong connection (adhesion) light-cured composite materials with tooth hard tissues.

FEATURES

One-component light-cured adhesive «DentLight» contains methacrylate oligomers (HEMA, UDMA), polymerization activators, stabilizers and solvents.

Adhesive «DentLight» possesses desensitizer features, completely wets the surface of dentine and easily penetrates the dentinal tubules. Polyfunctional monomers that make up the adhesive, contribute to the formation of chemical bond with tooth tissues and the formation of retentional polymer strands in the dentinal tubules.

Adhesive «DentLight» provides a strong bond, based on chemical adhesion, tight marginal seal and reduces the risk of a recurrence of bacterial infection. Adhesive «DentLight» can be used in combination with any light-cured composite materials.



PACKAGING

Liquid	5 ml
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NOTE:

One dose of material per one patient ~0.03 ml

ANALOGUES FOR USE

«One-step» - «Bisco», USA
«Single Bond» - «3M ESPE», USA

TWO COMPONENT CHEMICALLY-CURED COMPOSITE MATERIAL COMPOCEM



PACKAGING

«Powder-liquid»

Powder	40 g
of color A ₂	10 g x 3
of colors A ₃ , B ₂ , C ₂	26 g
Liquid	7 g x 2
Gel for enamel etching	

«Paste-paste»

Basic paste	14 g / 28 g
one of the colors (A ₂ , A ₃ , B ₂)	14 g / 28 g
Catalytic paste	5 ml / 5 ml
Gel for enamel etching	5 ml / 5 ml
Adhesive (liquid № 1)	5 ml / 5 ml
Adhesive (liquid № 2)	5 ml / 5 ml

NOTE:

One dose of material per one patient ~0.1-0.3 g

ANALOGUES FOR USE

«Evicrol» - «Spofa Dental», Czech Republic
 «Charisma PPF» - «Heraeus kulzer», Germany
 «Compolite plus» - «Super Dent», USA
 «Composite» - «Alpha Dent», USA
 «Prime Dent» - «Prime Dental», USA

Material «Compochem» is available in set:

- **powder-liquid;**
- **paste-paste.**

PURPOSE

- filling carious cavities of II, III, IV, V classes;
- restoration of tooth stump;
- splints fixation.

FEATURES

«Compochem» (**powder-liquid**) is a two-component composite material. The powder features fine silanized filler, colored with pigments and containing initiator of hardening; the liquid contains bisphenol glycidyl methacrylate, triethylene glycol dimethacrylate, polymerization activator. «Compochem», which refers to composite materials possess several specific properties, which advantageously distinguish it from other filling cements:

- high mechanical strength;
- stability and low solubility in oral liquid;
- minimal shrinking at hardening;
- identity with tooth tissues (color, durability for abrasion).

The presence of powders of different colors in the set (A₂, A₃, B₂, C₂ on VITA scale) allows to select the material, maximally close to optical characteristics to natural tooth tissues.

«Compochem» (**paste-paste**) is a composite based on methacrylate oligomers (bis-GMA, TEG-DMA) and modified fine-dispersed inorganic filler base (up till 80% of the volume).

«Compochem» is produced in the form of two pastes (basic and catalytic) of different shades on VITA scale (A₂, A₃, B₂). Obtained in the result of mixing in equal volumes of pastes, the filling material possess high stability, high mechanical strength and low solubility in oral liquid, durability for abrasion. The chemical-cured adhesive included in the set provides a perfect marginal seal.

LIGHT-CURED COMPOSITE MATERIAL FOR TEMPORARY FILLING TEMPOPHOT



PACKAGING

High viscosity	syringes / capsules
(transparent, blue)	3 g / 0.25 g x 20
Low viscosity	
(transparent, blue)	1.5 + 1.5 g / 0.25 g x 20

NOTE:

One dose of material per one patient ~0.03 g

ANALOGUES FOR USE

«Temp it» - «Spident», Korea
 «Clip» - «VOCO», Germany
 «Cimpat LC» - «Septodont», France

PURPOSE

- treatment of dental caries, including covering of the medical material in the tooth cavity;
- closing the cavities prepared for the reconstruction of ceramic or composite inlays/onlays;
- as temporary filling material.

FEATURES

Material «TempoPhot» is a light cured composite material based on polyurethane-acrylate and fine-dispersed filler.

Material «TempoPhot» is produced as paste (**transparent** and **blue**) which consists of: light cured activators; stabilizers; technological additives for optimal consistency; antibacterial agent (chloride benzalkonium), which has microbostatic and microbicidal effect on bacteria and candida.

Cured material «TempoPhot» has balanced properties of hardness and elasticity, which ensures the stability of the seals on the period of temporary filling, and allows to remove material from the cavity by the hand tool (without drilling) easily and without residue.

Material «TempoPhot» is produced of 2 consistencies: **high viscosity**; **low viscosity**.

- **High viscosity** paste «TempoPhot» is well modeled and suitable for long-term filling.
- **Low viscosity** paste «TempoPhot» has an optimal fluidity and easily adapts to the cavity walls, providing the perfect marginal seal and good hermetization.

ZINC-SULFATE FILLING MATERIAL FOR TEMPORARY FILLINGS

DENTINE-PASTE

PURPOSE

Isolation of medicines in tooth carious cavities and temporary filling.

FEATURES

«Dentine-paste» filling material is zinc-sulfate cement based on polymer and represented as ready-to-use smooth paste cured under the influence of oral cavity moisture. «Dentine-paste» is cured under the influence oral cavity moisture during 2-3 hours, the material expands during hardening, providing a tight marginal seal.

«Dentine-paste» has a high resistance to stress and superior adhesion to tooth tissues, does not irritate oral tissues.



PACKAGING

Paste	50 g
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NOTE:

One dose of material per one patient ~0.5-0.3 g

ANALOGUES FOR USE

«Cimpat» - «Septodont», France
«Cavition» - «GC», Japan
«Cavit» - «3M ESPE», Germany

ZINC SULPHATE CALCIUM CONTAINING FILLING MATERIAL

DENTINE-POWDER

PURPOSE

Temporary filling and hermetization of tooth cavity.

FEATURES

«Dentine-powder» is water-plasticizable containing calcium and zinc-sulphate cement modified with additives. The main components are zinc oxide, zinc sulphate and calcium phosphates. By mixing with water, astringent paste is obtained.

During hardening, the material «Dentin-powder» expands, this provides a good marginal seal of the filling and secure sealing-off of the cavity but can cause chipping of the tooth wall in case of its insufficient thickness.



PACKAGING

Powder	80 g / 200 g
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NOTE:

One dose of material per one patient ~0.5-0.3 g

ANALOGUES FOR USE

«Oxydentin» - «Chema», Poland
«Dressing Dentine» - «Stoma», Ukraine

LIGHT-CURED LINING COMPOMER MATERIAL IZOLINE



ФОРМА ВЫПУСКА

Paste	syringes / capsules 2 g / 0.33 g x 20 pc
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NOTE:

One dose of material per one patient ~0.1 g

ANALOGUES FOR USE

«Ionoseal» - «VOCO», Germany
«Ionosit» - «DMG», Germany
«ANA liner» - «Nordiska», Sweden

PURPOSE

As a lining (indirect isolation of a pulp) under composite restorations.

FEATURES

«Izoline» is one-component light-cured radiopaque compomer material containing hydroxyapatite, glass ionomer filler, polymeric binder, initiators and activators of polymerization.

«Izoline» possesses fluoro-release, stability and low solubility, thermal insulation properties, and also chemical affinity to polymeric materials which provides a high degree of coupling with composites. «Izoline» allows compensating the internal pressure arising during polymerization shrinkage of composite materials. Controlled short curing time and nozzles for direct application create additional convenience in use.

ZINC-PHOSPHATE UNIVERSAL CEMENT UNICEM, UNICEM BACTERICIDAL



PACKAGING

Powder one of the colors	50 g / 100 g
Liquid	30 g / 60 g

NOTE:

One dose of material per one patient ~0.5 g

ANALOGUES FOR USE

«Adhesor» - «Spofa Dental», Czech Republic
«Poscal» - «VOCO», Germany
«Zn Phosphate» - «PSP Dental», England

«Unicem» zinc-phosphate cement is produced in 3 colours: **white**, **light-yellow**, **gold-yellow**, and also **bactericidal** (contains the optimal amount of bacteriostatically effective form of silver).

PURPOSE

- fixation inserts, pinned teeth, metal, plastic, porcelain, metal-ceramic crowns and prosthetic bridges;
- filling teeth to be crowned;
- as isolating pad when filling.

«Unicem bactericidal» is used in pediatric dentistry for filling milk teeth.

FEATURES

«Unicem» is a universal improved zinc-phosphate dental cement with high mechanical compressive strengths: 90 MPa with a powder to liquid ratio of 1.5:1 (for fixing), 121 MPa with a powder to liquid ratio of 2:1 (for filling). The cement is obtained by mixing powder containing zinc oxide and modifying agents with liquid represented by orthophosphoric acid of low activity. Film thickness for filling is no more than 25 µm.

The presence of silver in bactericidal cement prevents the development of secondary caries and reduces the probability of emergence of the primary caries.

ZINCOXIDE-EUGENOL CEMENT

EODENT QUICK-HARDENING

PURPOSE

- as an isolating pad under all types of fillings except composites;
- provisional fixing crowns;
- temporary filling when treating caries.

FEATURES

«Eodent» quick-hardening dental material is produced as powder/liquid set. «Eodent» powder contains zinc oxide, radiopaque filler and hydroxiapatite providing bone tissue regeneration. «Eodent» liquid contains eugenol with plasticizing additives providing high fullness of the system powder-liquid (3-4:1) at mixing and low solubility (no more than 0.5%) of the material. The liquid contains catalyst providing hardening of the material in canal during 4-6 minutes.

«Eodent» material is characterized by long working time (6-8 hours), high plasticity, long hardening time (48-72 hours) and good sealing ability, features prolonged antimicrobial effect, technological and, if necessary, can be easily removed from the canal.

«Eodent» quick-hardening features perfect marginal seal and low solubility.



PACKAGING

Powder	25 g
Liquid	8 ml

NOTE:

One dose of material per one patient ~0.15 - 0.30 g

ANALOGUES FOR USE

«IRM» - «Dentsply», USA
«Caryosan» - «Sofa Dental», Czech Republic

SILICATE CEMENT

BELACIN

PURPOSE

Filling frontal and side teeth in case of cavity localization on vestibular and contact surfaces.

FEATURES

«Belacin» silicate cement is produced as a powder-liquid set.

The powder is fine aluminosilicate glass with fluoride which reduces the solubility of the enamel adjacent to the seal. The liquid contains orthophosphoric acid of low activity. The shine, color and transparency of filling made of «Belacin» material are similar to tooth tissues and meet all aesthetics requirements.



PACKAGING

Powder	50 g
Liquid	30 g

NOTE:

One dose of material per one patient ~0.2 g

ANALOGUES FOR USE

«Aqua Ionofil Plus» - «Voco», Germany
«Chemfil Superior» - «Dentsply», England
«Ciment Silicate» - «PD», Switzerland

SILICATE-PHOSPHATE CEMENT BELADONT



PACKAGING

Powder	50 g
Liquid	30 g

ANALOGUES FOR USE

«Silidont 2» - «Polymer-Dentistry», Russia
 «Drala Steinzement» - «Detax», Germany
 «Infantid» - «Spofa Dental», Czech Republic
 «Trans-Litn» - «Merz Dental», Germany
 «Odus» - «PD», Switzerland

PURPOSE

- filling frontal and side teeth (if aesthetic requirements are not the priority);
- filling teeth to be crowned;
- in pediatric dentistry for filling milk teeth.

FEATURES

«Beladont» silicophosphate cement is produced as powder-liquid set. The powder is aluminosilicate glass modified with a zinc-phosphate cement. The liquid contains orthophosphoric acid of low activity.

Mixing the powder with the liquid, a cement mass is formed, the product of structuring which is a conglomerate of silicic acid gel and cured products of phosphate cement.

Fillings made of «Beladont» cement feature high mechanical strength (compressive strength not less than 170 MPa), chemical stability, low solubility.

In case of deep and medium caries, isolating pad should be used for filling cavities.

POLYCARBOXILATE CEMENT BELOCOR



PACKAGING

Powder	80 g
Liquid	20 g x 2

NOTE:

One dose of material per one patient ~0.5 - 0.7 g

ANALOGUES FOR USE

«Adhesor Carbofine» - «Spofa Dental», Czech Republic
 «Carboco» - «VOCO», Germany

PURPOSE

- fixing inlays, different types of crowns, small dental bridges;
- temporary filling in case of long-term treatment;
- lining under permanent fillings made of amalgam and composites.

FEATURES

«Belacor» cement is obtained by mixing powder and liquid. The powder is modified zinc oxide, the liquid is water solution of polyacrylic acid.

The material «Belacor» does not irritate the tooth pulp, as during the curing of cement, the pH quickly rises and becomes neutral. The ability of polyacrylic acid to form complexes with the protein of tooth tissues and its high molecular weight limit diffusion in tooth tissues and dentinal tubules, therefore the material causes no pain in fixing crowns and bridges.

The material possesses high adhesion to hard tooth tissues and basic structural materials (gold alloys, porcelain, metal-ceramics, etc.) and low solubility.



LIQUIDS AND GELS FOR TREATING ROOT CANALS

- BELODEZ (SODIUM HYPOCHLORITE)
- BELSOL №2
- BELAGEL-O ENDO
- COLOR-TEST №4
- CRESODENT-VLADMIVA LIQUID
- PULPEVIT
- SOLVADENT
- ENDASEPT
- ENDOGEL
- ENDOZHY

DEVITALIZING PASTES

- DEVIT- P, S, ARS

GLASSFIBER PINS

- ARMODENT

MATERIALS FOR TREATING AND FILLING ROOT CANALS

- APEXDENT WITH IODOFORM / IODOFORM-FREE
- VIEDENT
- DEVIT - A
- IODENT HARDENING / NON-HARDENING
- OXIDENT
- COMPOCEM-ENDO
- CALCEVIT POWDER
- CALCESEPT
- CUPRODENT
- CRESODENT-VLADMIVA PASTE
- RESODENT
- PULPODENT
- SILDENT
- STIODENT
- TIEDENT
- TRICREDENT
- TRIOXIDENT
- PHOSPHADENT
- PHOSPHADENT-BIO
- EODENT LONG-HARDENING

STABILIZED SODIUM HYPOCHLORITE SOLUTION (3%, 5.2% AND 10%) BELODEZ



PURPOSE

«Belodez» dental material based on **stabilized sodium hypochlorite solution**:

3% solution (gel) is used as bactericidal, styptic and whitening material for medical treatment of root canals, for canal chemical expansion in combination with EDTA and for tooth cavity disinfection.

5.2% and 10% solutions are used for treatment of canals with pulp diathermocoagulation or pulp coagulation by means of effective medicines, also for disinfection of metal and guttapercha points, orthopedic and orthodontic structures and products before their installation in the oral cavity.

PACKAGING

Liquid	30 ml / 100 ml / 250 ml
Gel	3 g

ANALOGUES FOR USE

«Parcan» — «Septodont», France

FEATURES

«Belodez» is a stabilized sodium hypochlorite solution (gel), it dissolves dentine organic basis both alive and necrotic tissues as well. The gel-like form makes it possible to successfully use the material for antiseptic treatment of the cavities of the maxilla teeth since it has sufficient viscosity, fluidity and gently affects the mucosa.

«Belodez» possesses bactericidal effect at all gram-positive and gram-negative microorganisms, fungus and viruses without cytotoxicity at the level of the apex. With treatment by sodium hypochlorite amine hydrogen (-HN-) in protein molecules is replaced by chlorine (-ClN-), forming chloramine, which plays important role in the antimicrobial activity. Bactericidal effect of probable preparations is also due to alkaline properties (pH 10.0-12.0).

The range of action of hypochlorite depends on its concentration in the material. At a concentration of up to 1%, only necrotic tissues, decay and pus dissolve. Sodium hypochlorite of higher concentrations acts on living tissues, and the higher the concentration of the solution, the stronger the damage to vital cells.

Sodium hypochlorite 3% is used to dissolve residues of pulp tissue after vital extirpation. The dissolution of mummified pulp residues after devitalization with strong medications or after thermocoagulation is more effective by using **5.2% and 10% sodium hypochlorite**. However, it should be considered that sodium hypochlorite of high concentration can cause destruction of tooth tissues faster than of microorganisms. Therefore, in clinical conditions, when processing the canals, the exposure time of concentrated solutions (5.2% and 10%) should be strictly limited (no more than 60 seconds).

Working with sodium hypochlorite, the temperature dependence of the effectiveness of the solution should be taken into account: at a temperature of 37 °C, the activity and rate of disinfection of low-concentrated solutions (0.5-1%) is not inferior to 3 - 5.2% solutions.

To remove the surface-lubricated layer (appeared as a result of the instrumental treatment of the canal), sodium hypochlorite is used with preparations containing EDTA, which complexes calcium dentine, forming a loose structure in the canal. The combined treatment with sodium hypochlorite and preparations based on EDTA («EndoZhy №2», «EndoGel») provides effective cleaning of infected canals and their expansion, as well as significantly improves the adhesion of filling materials to the walls of the canals.

When diluting 10% «Belodez» with distilled water in ratio 1:2, a universal solution (3.3%) is obtained.

LIQUID BASED ON CHLORHEXIDINE BELSOL №2

PURPOSE

Set of liquids for treating oral mucosa:

- **liquid №1 (concentrate)** is used for hygienic and preventive rinses of a patient's oral cavity before a dental appointment, as well as before taking impressions (see «Prophylactic dental materials»);
- **liquid №1 with fluorine (concentrate)** is used for fluoridation and prevention of dental caries and gum disease (see «Prophylactic dental materials»);
- **liquid №2 (concentrate), ready-to-use and gel** is used for prevention and antiseptic treatment of the mucous surface with gingivitis and initial forms of periodontitis, as well as for treating infected tooth canals and drug treatment of carious cavities before the filling procedure, as well as in the presence of dentures, braces and implants;
- **liquid №3 (concentrate)** is used for rinsing during inflammatory processes of the oral mucosa, with gingivitis and periodontitis (see «Treating dental materials»).



PACKAGING

Liquid (concentrate)	125 ml
Liquid, ready-to-use	500 ml
Gel	3 ml / 10 g

ANALOGUES FOR USE
«Consepsis» – «Ultradent», USA
«R4» – «Septodont», France;

FEATURES

Liquid №2 (**concentrate**) contains an antiseptic, i.e. chlorhexidine bigluconate (**2%**).

Liquid №2 **ready-to-use** contains chlorhexidine bigluconate (**0.12%**), cetylpyridinium chloride (**0.05%**).

Gel №2 contains chlorhexidine bigluconate (**1%**). Unlike the liquid, the gel is applied pointwise on the affected areas, which eliminates the effect of chlorhexidine on tooth enamel, therefore, the likelihood of a side effect in the form of staining of teeth is reduced.

Chlorhexidine is a wide spectrum antiseptic with a bactericidal effect against vegetative forms of gram-negative and gram-positive microorganisms, as well as yeast, dermatophytes and lipophilic viruses. Liquid (gel) №2 retain antiseptic properties in direct contact with biological fluids (blood or pus), reduce the formation of plaque, are effective in anti-plaque action.

PASTE BASED ON CARBAMIDE PEROXIDE BELAGEL -O ENDO

PURPOSE

Intracanal and intracrown whitening of pulpless teeth.

FEATURES

«Belagel-O» endo is paste based on the most sparing whitener, i.e. carbamide peroxide 60% (equivalent to 22% peroxide).

Carbamide peroxide is an oxidant which can form active oxygen in the presence of physiological fluids, under the influence of which the splitting of organic substances that stain tooth tissue occurs.

Whitening paste possesses a bactericidal action.



PACKAGING

Paste	1.5 g
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ANALOGUES FOR USE
«Endoperox», – «Septodont», France

ENDODONTIC INDICATOR COLOR-TEST №4



PACKAGING

Liquid	5 ml
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PURPOSE

Identification of mouths of root canals of complex morphology, sclerosed canals, as well as in cases of poor canals patency and calcification.

FEATURES

«Color-Test №4» liquid contains a fuchsin colorant as a diagnostic indicator, which can stain demineralized and irregular dentin, which is formed by the layers throughout life while reducing the volume of the pulp and changing the structure and canal shape.

In cases of difficulty in endodontic manipulations with sclerotic changes in the canals, it is necessary to clean the pulp chamber of decay products, rinse, and dry with a stream of warm air. 1-2 drops of «Color-Test №4» liquid should be introduced into the cavity for 40-60 seconds, then rinsed with water.

Dentin at the mouth of the canal remains tinted in a more intense color compared to other areas of hard tissue.

«Color-Test №4» fluid can be used repeatedly during endodontic work.

ANTISEPTIC LIQUID CRESODENT – VLADMIVA



PACKAGING

Liquid	5 ml / 15 ml
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ANALOGUES FOR USE

«Cresophene» — «Septodont», France
«Camphor Mono-Chlorophenol» - «PD», Switzerland

Dental material «Cresodent-VladMiVa» is produced as:

- liquid;
- paste, ready-to-use.

PURPOSE

Antiseptic treatment of infected canals.

FEATURES

«Cresodent-VladMiVa» liquid is widely used in endodontic treatment as an active local antiseptic. The preparation contains:

- chlorphenol is an active bactericidal substance;
- camphor, which has antiseptic and sedative properties, as well as the softening effect of phenols;
- dexamethasone (0.1%), i.e. a corticosteroid that reduces the pain of periapical reactions, providing strong anti-inflammatory and anti-allergic effect.

The preparation does not irritate periapical tissues, provided it is not mixed with other substances. Due to the low coefficient of surface tension, the drug is volatile and quickly penetrates the dental tubules. Cresodent-VladMiVa fluid does not lose its properties upon contact with blood, serum and proteins.

SET OF LIQUIDS FOR TREATING PULPITIS PULPEVIT

PURPOSE

Liquid № 1 is used for anesthesia in cases of medical and traumatic pulpitis and periodontitis, at acute pulpitis before applying arsenious paste.

Liquid № 2 is used for root antiseptic treatment in cases of complicated pulpitis, resections of the upper part of root.

Liquid № 3 is used for treating of complicated caries of milk teeth.

FEATURES

Liquid №1 contains hydrochloride lidocaine which has analgesic effect; chlorophenol, and cresol - antiseptics of a wide range of effects, not causing irritations and just slightly mummifying nervous fibers. Liquid № 1 can be used as a long-acting compress for pulpitis localization when no further treatment can be fulfilled.

Liquid №2 contains antiseptics: phenol, eugenol and formaldehyde providing antiseptic effect, deep mummification and sterilization of root canals (in particular, after cyst, abscess, fistula). Liquid № 2 includes dexamethasone (0.05%) - corticosteroid, which significantly reduces the painfulness of periapical tissues.

Liquid №3 (formocresol) contains formaldehyde (19%) and cresol (35%). Phormocresol depending on the duration of impact leads to partial or full mummification of root pulp of milk tooth.



PACKAGING

Liquid №1, №2, №3

15 ml

ANALOGUES FOR USE
«Pulperly» – «Septodont», France
«Rockles» – «Septodont», France
«Chlorbutanol» - «PD», Switzerland

LIQUID AND GEL FOR DESOBTURATION SOLVADENT

PURPOSE

Liquid/gel №1 is used for desobturation of canals, filled earlier with zinc-oxyde-eugenol or resorcinol formaldehyde resins.

Liquid №2 is used for softening of gutta-percha pins.

Liquid №3 is used for washing of root canals with the purpose of removal of smear layer formed during mechanical treatment of canal.

FEATURES

Liquid/gel №1 contains organic solvent with specific smell and low coefficient of the surface tension, perfume, and gel-formator (in gel). For desobturation of upper teeth canals it is more convenient to use «Solvadent» gel. Chemical effect of Liquid №1 (gel) «Solvadent» and mechanical impact substantially facilitate purification of a root canal.

Liquid №2 represents solution of guttapercha in volatile solvent. The pin, under influence of liquid softens, turning without thermal processing into chemically plasticized guttapercha, which provides a good marginal seal of occlusive material and more precise reduplication of canal anatomy and apical opening.

Liquid №3 contains lemon acid (40%), which completely removes the remnants of smear layer from canal walls, opening dentinal tubules, which promotes better penetration of sealant.



PACKAGING

Liquid №1
Gel
Liquid №2
Liquid №3

5 ml
5 ml
10 ml
15 ml / 100 ml

ANALOGUES FOR USE
«Resosolv» – «Pierre Rolland», France
«Endosolv-R, E» – «Septodont», France
«Resin Remover» - «PD», Switzerland
«Desosurator Eugenate» - «PD», Switzerland

ANTISEPTIC GEL BASED ON METRONIDAZOLE AND CHLORHEXIDINE ENDASEPT



ФОРМА ВЫПУСКА

Gel	10 g
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ANALOGUES FOR USE

«Grinazole» – «Septodont», France

The mechanism of antimicrobial action is to connect nitrogroup metronidazole with microbial DNA and terminate synthesis of nucleic acids in this regard.

Chlorhexidine bigluconate is one of the most active local antiseptics, has a fast and strong bactericidal effect on gram-positive and gram-negative bacteria. The mechanism of action of chlorhexidine bigluconate is connected with its surface-active properties, an infringement of permeability cytoplasmic membrane of microbes occurs.

Due to hydrophilic base gel is easily entered into canals, deeply impregnating dentinal tubules, and washed away from canals by water easily.

PURPOSE

- treatment of the infected canals in case of gangrenous pulpitis and chronic forms of a periodontitis;
- in acute periodontitis, and also after unsuccessful treatment with non-specific antiseptics or medication based on antibiotics and corticosteroids.

FEATURES

Gel «EndAsept» contains antiseptics: metronidazole (10%), chlorhexidine bigluconate (2%), actively overwhelming anaerobic flora of root canals.

Metronidazole possesses a wide spectrum of action concerning the elementary, obligate anaerobic bacteria (spore - and non-sporeformative), is active concerning bacteroides, phuso-bacteria, clostridia.

EDTA BASED GEL SET (15%) ENDOGEL



PACKAGING

Gel №1	5 ml / 20 g
Gel №2	3 ml / 9 g / 20 g

ANALOGUES FOR USE

«RC-Prep» – «Premier», USA
«EDTA 17% » gel – «PD», Switzerland
«Canal-plus» – «Septodont», France

PURPOSE

Chemical-mechanical expansion, cleaning, formation and antiseptic treatment of difficult and branched root canals.

FEATURES

Gel №1 is on EDTA base;

Gel №2 comprising EDTA and peroxide.

The main component of gels is EDTA (15%) (ethylenediaminetetraacetate), forming dentine calcium, forms the crumbly structure of hard tissues, facilitates the revelation of calcific orifices of canals, cleaning and formation of difficult canals.

Gel-like form of production facilitates the application of the material in root canals of upper jaw teeth and serves as good lubrication for endodontic tools. The water-soluble base of gels allows to easily wash off and purify the canals by a stream of water.

Gel with peroxide (10%) in a joint application with sodium hypochlorite solution provides foam formation in canal (active discharge of atomic oxygen), removal of alive and necrotic as well as infected pulp and dentine tissues, improves teeth color and glitter by bleaching.

SET OF LIQUIDS FOR TREATING ROOT CANALS ENDOZHY



PURPOSE

Liquid №1 is used for drying and degreasing of tooth canals;

Liquid №2 is used for expansion and identification of the mouth of tooth canals;

Liquid №3 is used for antiseptic treatment of tooth canals;

Liquid №4 is used to stop apical bleeding.

PACKAGING

Liquid	15 ml / 100 ml / 250 ml
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ANALOGUES FOR USE

«Largal Ultra» – «Septodont», France
«Edetat, Solution» – «Pierre Rolland», France
«Hydrol» - «Septodont», France
«EDTA 17%» liq. - «PD», Switzerland

FEATURES

Liquid №1 is made on the basis of isopropanol and other volatile organic compounds that degrease and quickly dry the dental canal. It contains no diethyl ether and ethanol, easily evaporates.

Liquid №2 contains a mixture of potassium and sodium salts of EDTA (17%) and centimonium bromide - a surface-active antiseptic that provides foaming, rapid penetration of the drug into the microtubules and prevents the settling of dentin filings, which facilitates their extraction from the canal.

Liquid №3 contains glutaric aldehyde possessing antiseptic properties.

Liquid №4 contains aluminum chloride, an astringent for quickly stopping intracanal bleeding.

PEDODONTIC ARSENIC-FREE PASTE FOR PULP DEVITALIZATION DEVIT – P

«KALEIDOSCOPE» series - the material for pediatric dentistry



PACKAGING

Paste	3 g
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ANALOGUES FOR USE

«Caustinerf pedodontique» — «Septodont», France

PURPOSE

Pulp devitalization and milk teeth mummification in cases when pulp extirpation can be excluded.

FEATURES

«Devit-P» devitalizing paste contains:

- paraform - antiseptic that coagulates albumin, providing pulp devitalization;
- lidocaine hydrochloride locally anesthetizing and reducing the risk of painful reactions appearing;
- chlorophenol, camphor and menthol – components enhancing the antiseptic effect of the medicine;
- paste-adjuster and filler providing fibrous structure of the material.

Pulp devitalization of temporary teeth is combined with sterilization procedure excluding pulp extirpation and avoiding painful procedure for a child.

The complete pulp devitalization is fulfilled within 3-5 days. If a patient doesn't feel pain, permanent filling can be done in 24-48 hours after application of paste.

ARSENIC-FREE PASTE OF STRONG EFFECT FOR PULP DEVITALIZATION DEVIT – S



PACKAGING

Paste	3 g / 6.5 g
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ANALOGUES FOR USE

«Depulpin» — «VOCO», Germany
«Caustinerf forte» — «Septodont», France
«Devitec Arsenic Free» - «PD», Switzerland

PURPOSE

- pulp devitalization in case of treating pulpitis using mortal extirpation or amputation method;
- as an additional devitalizing medicine at the secondary treatment after using arsenic pastes.

FEATURES

«Devit-S» arsenic-free paste contains:

- paraformaldehyde, i.e. antiseptic, coagulating albumins, providing pulp devitalization,
- lidocaine hydrochloride locally anesthetizing and reducing the risk of painful reactions appearing;
- paste-adjuster and fibrous filler.

«Devit-S» paste usage provides prolonged pulp devitalization with virtually no irritation and pain and also eliminates the need for additional processing of channels to neutralize arsenic salts, as in the case of arsenic pastes.

The complete pulp devitalization is fulfilled within 3-5 days, in rare cases - within 7 days. If a patient does not feel pain, a permanent filling can be done in 24-48 hours after application of paste.

ARSENIC PASTE FOR PULP DEVITALIZATION DEVIT – ARS

PURPOSE

Quick and painless pulp devitalization using mortal extirpation method.

For dentistry only!

FEATURES

«Devit-ARS» dental material is ready to use paste containing:

- arsenous anhydride (30%) providing quick and non-aggressive necrosis of pulp fibers;
- lidocaine hydrochloride, which makes the process of devitalization painless, reducing tissues sensitivity;
- eugenol, i.e. antiseptic of a broad range of activity;
- fibrous filler and paste-adjuster providing material plasticity and its discreteness simultaneously.



PACKAGING

Paste	3.0 g / 6.5 g
Paste	100 unidoses 4 mg each

ANALOGUES FOR USE

«Canstinerf arsenical» — «Septodont», France

Pulp devitalization is fulfilled within 24-48 hours depending on tooth structure (single-root or multi-root), paste quantity, density of dentine layer covering pulp in case of non-direct contact with paste. Time of material presense in oral cavity should not exceed 72 hours.

GLASSFIBER PINS ARMODENT

PURPOSE

Restoration and strengthening of tooth crown by intracanal glassfiber pins after endodontic treatment (at the small supragingival defect of one of walls of tooth) and before prosthesis. It is recommended to apply at once after depulpatation.

FEATURES

The glassfiber pins «Armodent» are made from the wattled glass fibres of linked methacrylate olygomer BIS-GMA and increased by pyrogenic dioxide of silicon. Glassfiber pins allow to create a stand for restoration construction. Chemical affinity of olygomer matrix of pins to composite materials is instrumental in the increase of adhesion and provides monolithic nature of restoration.

The pins possesses the following descriptions:

- module of elasticity of pin is near to the module of elasticity of tooth (dentine);
- fiberglass provides the redistribution of the mechanical loadings, that reduces the risk of dissidence of tooth;
- transparency of pin allows to apply light curing materials or materials of double curing for his fixing;
- transparency of pin allows not to mask him at aesthetic restoration of tooth.

One-component adhesive «DentLight» and fixing composite dual-cure cement «Compofix» provide the durable coupling and perfect marginal seal based on chemical adhesion during restoration of anatomic form of tooth.

Gel for etching, on the base of organic polymer, possesses optimal fluidity and is completely washed off by water. The gel contains bactericidal substance (benzalkonium chloride), which produces microbostatic and microbocide effect on gram-positive and gram-negative bacteria and candidas, allows to eliminate possible sensitivity, connected to bacterial contamination of the surface of treated tooth.



PACKAGING

Set		
Glassfiber pin Ø=1.0 mm		6 pcs
Glassfiber pin Ø=1.2 mm		6 pcs
Glassfiber pin Ø=1.4 mm		6 pcs
Drill 4-x гранный Ø=1.0 mm		1 pc
Drill 4-x гранный Ø=1.2 mm		1 pc
Drill 4-x гранный Ø=1.4 mm		1 pc
Composite cement for fixing «Compofix»	3.5 g x 2	
One-component adhesive «DentLight»		5.0 ml
Etching gel on organic base		3.0 ml

Pins

Glassfiber pin Ø=1.0 mm	10 pcs
Glassfiber pin Ø=1.2 mm	10 pcs
Glassfiber pin Ø=1.4 mm	10 pcs

Drill

Drill 4-x гранный Ø=1.0 mm	6 pcs
Drill 4-x гранный Ø=1.2 mm	6 pcs
Drill 4-x гранный Ø=1.4 mm	6 pcs

Available as set and as separate items

ANALOGUES FOR USE

«DC Light Post» — «Estade-Servicegroup», Russia

«D.T. Light Post» — «Bisco», USA

«Glassix» — «H. Nordin SA», Sweden

ODOFORM-CALCIUM ROOT CANAL FILLING PASTE APEXDENT



Dental material «Apexdent» in the form of paste based on calcium hydroxide is produced in two forms:

- «Apexdent» WITH IODOFORM;
- «Apexdent» IODOFORM-FREE.

WITH IODOFORM

PACKAGING

Paste	2.2 g
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ANALOGUES FOR USE

«Vitapex» — «Nippon Shika Yakohin», Japan
«Metapex» — «Meta Dental», South Korea

FEATURES

«Apexdent» with iodoform dental paste refers to the type of long-hardening materials, comprises:

- iodoform providing a prolonged antibacterial effect;
- calcium hydroxide and phosphates creating an alkaline environment to stimulate the formation of bone osteoblasts at the apex level;
- hydrophobic paste-adjuster, providing fluidity of the paste;
- radiopaque filler.

PURPOSE

- root canal filling after depulcation and treatment of infected canals at chronic periodontitis with resorption of granulomas;
- apexification with periodontitis, with unformed apex, with root perforations, as well as bone resorption.

ODOFORM-FREE



PACKAGING

Paste	2.2 g
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ANALOGUES FOR USE

«Metapaste» — «Meta Dental», South Korea

FEATURES

«Apexdent» iodoform-free radiopaque paste based on calcium hydroxide which creates high pH level (12.5), provides strong, durable bactericidal effect of impact on the remained tooth pulp and/or system of macro- and microcanals as well as in periapical area leads to formation of dentine-cement barrier, creating conditions for growth and formation of tooth root, regeneration of bone and periapical tissues.

As a result of using of dental material «Apexdent» on the basis of calcium hydroxide there's finalization of the growth of root and formation of bone-cement barrier during 9-15 months.

The material can be used for treatment of temporary tooth roots with non-formed apex in case of periodontitis.

In case of conservative treatment of chronic periodontitis, as well as any root perforations after application of paste «Apexdent» with calcium hydroxide for 3-6 weeks the permanent filling of root canal is possible.

MATERIAL BASED ON EPOXY RESIN

VIEDENT

PURPOSE

Filling tooth root canals by treating of pulpitis or apical periodontitis with use of gutta-percha points (one-point method and all types of condensation).

FEATURES

«Viedent» dental material is two-component powder-liquid or paste-paste radiopaque material on calcium hydroxide and epoxy resin base.

Working time is 1-1.5 hours depending on temperature.

«Viedent» dental material hardens within 8-24 hours. After hardening, the obtained aminopolymer features bioinertness to tooth tissues and does not affect them toxically. «Viedent» material features good adhesion to dentine of canal walls, bactericidal properties, has high strength characteristics, low degree of shrinkability and solubility, provides good sealing of a canal.

«Viedent» material can be used with silver and titanium pins.



PACKAGING

Powder	20 g
Liquid	10 ml
or	
White paste	4 ml
Yellow paste	4 ml

ANALOGUES FOR USE
«AH-26», «AH-Plus» – «Dentsply», USA
«Parcan» – «Septodont», France

ANAESTHETIC PASTE

DEVIT – A

PURPOSE

Anaesthetic and antiseptic compress in cases of severe pain reactions at treating caries.

FEATURES

«Devit-A» paste contains:

- lidocaine hydrochloride – local anaesthetic, that reacts faster, more efficiently and longer than novocaine;
- chlorophenol, eugenol, camphor – broad-spectrum antiseptics;
- paste-adjuster and filler providing fibrous structure of the material.

In cases when dissection of carious cavity is impossible due to severe pain, «Devit A» paste, rolled in a form of a ball, is put into cavity and is left as compress of long-term under temporary filling «Dentine-paste» till the next visit.

Period of paste effect is determined individually from 1 hour to 3 days.



PACKAGING

Paste	3 g
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ANALOGUES FOR USE
«Pulparthrol» - «Pierre Rolland», France

BACTERICIDAL PASTE IODENT



PACKAGING

Non-hardening paste	25 g
Hardening paste	25 g

ANALOGUES FOR USE

«Tempophore» – «Septodont», France; «Abscess Remedy paste» – «PD», Switzerland
«Iodoform pasta» – «PD», Switzerland; «Jodoformova pasta» – «Spofa Dental», Czech Republic

FEATURES

«Iodent» pastes feature prolonged disinfectant and bactericidal effect, contain:

- chlorophenol, an antiseptic of phenol range;
- camphor, softening phenol effect on organism;
- iodoform providing long bactericidal effect in canal;
- paste-adjuster of hydrophobic type;
- filler, providing the formation of bone osteoblasts in apex area and featuring radiopacity.

Structuring of «Iodent» hardening paste takes place in the canal during 72 hours due to canal moisture.

«Iodent» **non-hardening paste** provides multiple treatments in several visits after which the use of **hardening paste** «Iodent» reduces the possibility of any complications and painful reactions after filling, as both pastes have a single antiseptic basis.

During extirpation of «Iodent» paste out of apex non-substantial pain senses are possible. The paste resolves in soft tissues.

«Iodent» paste is produced as:

- **non-hardening paste** for temporary filling when treating infected canals;
- **hardening nonabsorbable paste** for permanent filling tooth canals.

PURPOSE

Non-hardening paste is used as treating and prophylactic material in case of acute or chronic periodontitis, for temporary filling infected canals at treating pulpitis, granulomatous and granulating periodontitis, and also at repeated infection after filling.

Hardening paste is used for filling in case of pulpitis, acute and chronic periodontitis, as well as for filling canals of milk teeth and doesn't prevent the formation of inferior tooth germ. Should be applied cautiously at curing children aged under 7 (the paste has camphor-menthol basis).

PASTE BASED ON CALCIUM HYDROXIDE OXIDENT



PACKAGING

Basic paste	12 g
Catalytic paste	12 g

ANALOGUES FOR USE

«Sealapex» - «Kerr», USA

PURPOSE

Filling tooth root canals by treatment of pulpitis or apical periodontitis.

Used in combination with gutta-percha (one-pin method and all kinds of technology-condensation) or silver pins.

FEATURES

«Oxident» is two-component (paste-paste) radiopaque material based on calcium oxide and salicylates. Calcium oxide combines a unique set of properties required for a successful endodontic filling:

- connects the residual moisture on the walls of the root canal and carbon dioxide to form hydroxide and calcium carbonate, sealing microtubules;
- allows for the sterility of root canals and reduces their exposure, providing an alkaline environment (pH 12.8);
- stimulates reparative regeneration juxtahilar tissues, stimulates the growth of hard tissue at the top of the tooth endodontically healed, and the growth of hard tissues in the zone of perforations.

When mixing equal amounts (by volume and weight) of paste basic and catalytic plastic mass for filling canals is obtained. Working time on a plate for mixing is from 8 to 18 hours at temperature 21-23°C and 50% humidity. Working time and curing time of the material may prolong at more low temperature and humidity. In the canal of the tooth, material hardens within 2 hours (at 37°C and 100% humidity), because humidity accelerates interaction of oxide and calcium hydroxide with salicylates, which demonstrate antiseptic properties. The paste possesses perfect fluidity and plasticity, easily applies into canal with canal-filler or gutta-percha pin.

After curing the material possesses low solubility in liquids of living tissues and doesn't color tooth tissues.

The material is compatible with etching technique and any etching material, composite or amalgama.

FLUID COMPOSITE FOR FILLING COMPOCEM – ENDO

PURPOSE

Permanent filling of root canals of all teeth groups.

FEATURES

«Compocem-endo» material is radiopaque fluid composite on the basis of multi-functional metacrylic oligomers and nanostructural hydroxyapatite, refers to the dual-cure composite (chemical and light) and is produced in the form of two pastes (basic and catalytic).

The working time of the material is 10-15 min. The curing time of the material is 15-20 min at the temperature of +37°C. «Compocem-endo» material can be used with pins.



PACKAGING

Basic paste	3.5 g
Catalytic paste	3.5 g
Primer	5 ml

ANALOGUES FOR USE
«EndoREZ» - «Ultradent Products Inc», USA

WATER-MIXING CONTAINING CALCIUM POWDER CALCEVIT

Dental material based on of calcium hydroxide «Calcevit» is multi-purpose preparation and has two forms of production:

- powder mixed with distilled water or physiological solution;
- ready-to-use paste (see «Treating dental materials»).

PURPOSE

- as permanent filling for milk teeth canals;
- as temporary antiseptic intracanal bandage at treatment of patient in two visits;
- as bactericidal bandage for disinfecting of root canals in the process of treatment of irreversible inflammation and necrosis of the pulp;
- as temporary filling, disinfecting root canals and stimulating bone tissue regeneration processes at treatment of destructive forms of chronic periodontitis.

FEATURES

«Calcevit» dental material contains highly-dispersed calcium hydroxide (which, besides disinfecting effect, stops resorption of bone tissue, stimulates reparative processes in periapical tissues); and also radiopaque addings.

The ability to control the consistency of suspension, obtained during kneading of the powder «Calcevit» with the chosen liquid is the important advantage of the powder and gives the opportunity to use the preparation in endodontics.



PACKAGING

Powder	7 g
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ANALOGUES FOR USE
«Calcium Hydroxide Powder» — «PD», Switzerland

SUSPENSION BASED ON CALCIUM HYDROXIDE CALCESEPT



PACKAGING

Suspension №1	2.5 g
Suspension №2	2.5 g

ANALOGUES FOR USE

«Calasept» — «Nordiska», Sweden

PURPOSE

- processing of infected root canals in permanent teeth;
- treatment of difficult and problem canals;
- indirect pulp isolation for deep cavities;
- direct protective coating of pulp with calcium hydroxide, as well as medical calcium laying in deep cavities;
- canal treatment of milk teeth and teeth with unformed roots;
- filling of root canals by restoration in the perforations and fissures;
- treatment of pulpitis by the biological method with saving of root pulp;
- filling of canals by granulating and granulomatous periodontitis;
- treatment of periodontitis, gingivitis (as a strong bactericidal properties);
- step-by-step and multiple processing in cases of high activity of microbial flora for complete creation of sterile environment in dentine.

FEATURES

Dental set «Calcesept» is highly dispersed sterile paste-suspensions:

- **suspension №1** contains calcium hydroxide (41%) in isotonic solution, radiopaque component - barium sulfate (at least 8%);
- **suspension №2** contains calcium hydroxide (41%) in isotonic solution, barium sulfate (at least 8%) and copper ions additive, bactericidal against all kinds of microorganisms.

Suspensions are made by special technology of obtaining highly dispersed stabilized systems. High alkalinity of suspensions (pH 12.4) provide sterility in the contact area and stimulate bone formation. Bacterial action of highly dispersed calcium hydroxide (suspension № 1) is due to alkaline proteolysis and microorganism saponification. Calcium hydroxide stimulates the formation of mineralized tissues by root teeth fracture and applies on purpose of consolidation peaces or incapsulation and bone structure reconstruction in the trauma area by closing of perforations in crown part of teeth, in the area of bifurcation and trifurcation and at any level of root canal. During the filling of the canals by the paste, the root top is fully sealed due to the stimulation of cementoblast layer. This process is finally completed within 8-12 months. By deep caries when pulp is too close and there is much infected softened dentine application with sterile calcium hydroxide at 6-8 weeks directly on infected dentine leads to the formation of protective dentinal layer in response to irritator (calcium hydroxide) by pulp side.

Antibacterial action of copper ions (suspension № 2) is significantly higher. Copper ions are capable of combining with sulfur amino acids with protein breakdown and formation of poorly soluble copper sulfide, affect the oxygen transfer process of anaerobic micro-organisms. By that the freely soluble compound (copper sulfate) is formed, dissociating with the formation of copper ions, capable to destroy the aerobic and anaerobic microorganisms by extracting from them the sulfur. The resulting poorly soluble copper sulfide is regenerated continuously into the active substance (copper sulfate).

COPPER-CALCIUM HYDROXIDE BASED MATERIAL CUPRODENT

«Cuprodent» dental set contains:

- **Suspension №1** based on copper-calcium hydroxide (violet-blue color);
- **Suspension №2** based on calcium hydroxide (white color);
- **Powder** containing copper-calcium hydroxide.



PURPOSE

- treating (washing) infected root canals of permanent teeth;
- treating difficult canals using electro(depo)phoresis;
- non-direct pulp isolation with copper-calcium hydroxide;
- direct covering of tooth pulp with calcium hydroxide, and as treating calcium-containing liner in deep cavities;
- treating canals of milk teeth and teeth with non-formed roots;
- filling root canals after all types of treatment including electro(depo)phoresis;
- after treating parodontitis and gingivitis.

PACKAGING

Suspension №1	20 g
Suspension №2	20 g
Powder	10 g

Available as a set and as separate item.

ANALOGUES FOR USE
«Atacamit» - «Humanchemie», Germany
«Cupral» - «Humanchemie», Germany

FEATURES

«Cuprodent» dental set is a system with highly active hydroxycuprate featuring bactericidal effect on all microorganisms. High alkalinity of suspensions (pH 12.8-13.3) provides sterility of contact areas and stimulates the formation of bone tissue.

Suspensions are made by use of special technology of producing highly dispersed stabilized systems.

«Cuprodent» **suspension №1** features an equilibrium system of copper-calcium hydroxide and hydroxocuprate, i.e. complex anion. The suspension is stabilized, has a water base, which allows using the suspension in any level of dilution with distilled water depending on the application method.

«Cuprodent» **suspension №2** contains calcium hydroxide, stabilizer and distilled water.

Bactericidal effect of highly dispersed calcium hydroxide (suspension № 2) is due to alkaline proteolysis and microorganisms saponification. Calcium hydroxide stimulates the formation of mineralized tissue. However, antibacterial effect of copper ions (suspension №1) is significantly higher. Copper ions can compound with sulfur aminoacids with the destruction of protein cells and formation of poorly soluble copper sulfide, to effect the process of oxygen transmission of anaerobic microorganisms. Wherein, easily soluble compound (copper sulfate) is formed, which dissociates with the formation of copper ions, which can destruct aerobic and anaerobic microorganisms by extraction of sulfur from them. The formed poorly soluble copper sulfide regenerates constantly into an active substance (copper sulfate).

Copper ions concentration in suspension is 2.5%-3.0%. Even at 10-fold dilution of suspension № 1 processes of destruction of membrane structures occur, causing high effectiveness of preparation at low concentrations.

By treatment of canals by the method of depophoresis hydroxocuprate ions are turned into slightly soluble copper hydroxide, providing canal and apical delta sterilization; wherein canal walls are covered with copper compounds, which create «copper corks» and act like «depot» for hydroxide-ions and copper ions in deltoid branches.

«Cuprodent» is a universal material for all sorts of mechanisms used in dental practice for depophoresis.

The logical stage of curing of infected canals after depophoresis of copper-calcium hydroxide is filling of canal by «Cuprodent» paste, obtained by mixing of powder and calcium hydroxide suspension (suspension №2). Wherein, alkaline long-curing material is formed, which possesses disinfecting activity. After curing the prolonged disinfecting action is caused by copper ions making the material impassable for bacteria.

ANTISEPTIC PASTE ON PARA-CHLOROPHENOL BASIS CRESODENT – VLADMIVA



PURPOSE

Filling infected and difficult canals as well as for filling canals with partial pulp extirpation.

FEATURES

Antiseptic paste base comprises para-chlorophenol featuring bactericidal and microbostatic effect on all kinds of bacteria and complex virus.

The paste contains camphor, softened the effects of phenols on the body, and zinc sulphate – antiseptic featuring styptic effect.

«Cresodent-VladMiVa» paste is radiopaque, easy to insert and fills the root canal completely. The material is cured within 24-78 hours, binding intracanal moisture.

«Cresodent-VladMiVa» paste contains no formalin, does not irritate periapical tissues.

PACKAGING

Paste	25 g
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ANALOGUES FOR USE

«Cresopate» — «Septodont», France

ANTISEPTIC MATERIAL BASED ON RESORCIN-FORMALINE RESODENT – VLADMIVA



PACKAGING

«Resodent-VladMiVa»	
Powder	10 g / 40 g
Liquid	5 ml / 25 ml
Liquid for hardening	5 ml / 25 ml
«Resodent-VladMiVa» - D	
Powder	20 g
Liquid	10 ml
Liquid for hardening	10 ml

ANALOGUES FOR USE

«Forfenan» — «Septodont», France

«Foredent» — «Spofa Dental», Czech Republic

PURPOSE

Antiseptic treatment and filling of root canals with partial pulp extirpation as well as of difficult canals.

FEATURES

«Resodent-VladMiVa» dental material contains:

- treating liquid containing formaldehyde;
- liquid for hardening, containing resorcin and catalyst;
- powder containing trioxymethylene and radiopaque filler.

By mixing 2 liquids with powder, the radiopaque paste is obtained which remains plastic during 0.5 hour, filling canal completely. The paste hardens within 24 hours. The basis of the paste is antiseptic resorcin-formaldehyde resin possessing antiseptic properties.

To provide effective anti-inflammatory and anti-allergic effects «Resodent-VladMiVa-D» material is produced with **dexamethasone**, powder of which contains the active additive – 0.2% dexamethasone.

DENTAL ANTISEPTIC MATERIAL FOR FILLING ROOT CANAL MOUTH OF VITAL TEETH

PULPODENT

PURPOSE

- treating pulpitis of vital temporary and permanent teeth with unformed roots;
- treating acute local and chronic fibrous pulpitis with preservation of viable root pulp;
- treating of infected temporary molars by pulpotomy method;
- treating pulpitis of permanent teeth before making prosthesis;
- treating pulpitis after pulp vital amputation of displaced teeth (vestibular inclination of the crown) and teeth with difficult root canals (purposely of endodontic treating).

«Pulpodent» long-hardening is intended for permanent filling of infected root canals. It is used in apical periodontitis treatment (in particular, in the presence of granulomas) after pulp extirpation.



PACKAGING

Powder	20 g / 25 g
Liquid	15 ml

ANALOGUES FOR USE
 «Pulpotec» — «PD», Switzerland
 «Granulotec» — «PD», Switzerland

FEATURES

Dental materials «Pulpodent», «Pulpodent» long-hardening are produced as powder/liquid set.

The powder contains zinc oxide, iodoform, polyoxymethylene

The liquid contains dexamethasone, formaldehyde, phenol, eugenol.

When mixing powder and liquid of the «Pulpodent» material in a 2:1 ratio, a uniform plastic paste is formed, which can be easily applied into the pulp chamber and the access cavity of tooth canal within 5-7 minutes. The paste adapts well to the walls of the tooth cavity and cures within 20-25 minutes, gradually losing plasticity.

The presence of mummifying and antiseptic components in the material «Pulpodent» allows you to give a quick and painless treatment for the patient.

«Pulpodent» long-hardening is characterized by a longer working time (10-15 minutes) and curing time (60 minutes), disinfects root canals, promotes resorption of granulomas and regeneration of periapical tissues.

The materials «Pulpodent», «Pulpodent» long-hardening possess bactericidal properties, are easily carried on by tooth tissues, feature high radiopacity and low solubility.

PASTE ON SILICON BASIS SILDENT



PACKAGING

White paste	7 g
Yellow paste	7 g

FEATURES

«Sildent» dental material is produced as two pastes. Different paste colours (white and yellow) provides indication of homogeneity when mixing. Standard paste to paste ratio is 1:1 and plastic base is obtained, which reduces plasticity at temperature of 22°C within 1 hour. The base hardens in root canal within 1-3 hours, turning into elastic, non-shrinking material with low solubility. At increase of volume of white paste in comparison with the volume of yellow, the working time reduces.

«Sildent» material is based on:

- synthetic rubber;
- hydroxyapatite stimulating osteogenesis of bone tissue;
- iodoform, i.e. long-acting antiseptic;
- radiopaque fillers, stabilizers and fillers containing calcium.

Due to microdispersity of fillers, «Sildent» material can be used for filling with gutta-percha pins.

PURPOSE

- filling canals of single-root and multi-root teeth in combination with cold gutta-percha;
- obturation of narrow root teeth canals (buccal canals of upper molars, mesial canals of lower molars at senior patients) at pulpitis or apical periodontitis without pins.

GLASS IONOMER WATER-CURED CEMENT STIODENT



PACKAGING

Powder	10 g
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ANALOGUES FOR USE

«Ketac Endo» — «Espe», Germany
«Endion» — «Voco», Germany

PURPOSE

Filling of root canals in combination with gutta-percha or metal pins.

FEATURES

«Stiodent» dental material features high biocompatibility, good adhesion to dentine, radiopacity, low solubility, high mechanical stability.

«Stiodent» powder is mechanical mixture of fine alumofluoro-silicate glass and polyacrylic acid. «Stiodent» material is easily mixed with water until required consistency is obtained.

Glass-ionomer reaction starts immediately after mixing powder with water and is followed by release of fluoride ions strengthening dentine and featuring bactericidal effect.

In a combination with gutta-percha or metal pins, «Stiodent» material provides strong and safe filling of root canals.

If necessary, a canal can be disobtured by combining chemical effect of «Solvadent» material with mechanical action.

ANTISEPTIC ZINCOXIDE-EUGENOL CEMENT TIEDENT

PURPOSE

- filling root canals in case of gangrenous pulpitis, different forms of periodontitis, especially acute one;
- filling in case of changes in the bone of tooth root.

«Tiedent» material is used as a sealer for filling canals using gutta-percha pins.

FEATURES

«Tiedent» dental material refers to zinc oxide eugenol cements. Available in the form of two components: powder and liquid.

The **powder** contains:

- zinc oxide;
- hydrocortisone acetate (1%) - corticosteroid providing strong anti-inflammatory effect and reducing periapical pain;
- dexamethasone (0.01%) - more active glucocorticosteroid containing fluorine and featuring anti-inflammatory and anti-allergic effect;
- thymol iodide, i.e. antiseptic of long action;
- filler;
- radiopaque fillers.

The **liquid** contains:

- eugenol, i.e. liquid has a slight sedative and bactericidal action;
- plasticizer.

The plastic paste is obtained by mixing powder and liquid. The material keeps its plasticity for 5-7 hours. Hardening time in the canal is 48-72 hours.

«Tiedent» dental material is highly elastic, radiopaque, has antibacterial and anti-inflammatory properties, does not irritate the radicular tissue. When filling with gutta-percha pins it hermetically seals side parts of canal and provides pins adhesion to each other and to canal walls. When fading the paste beyond the apex irritation of periapical tissues is insignificant.



PACKAGING

Powder	14 g
Set	
Powder	14 g
Liquid	10 ml

ANALOGUES FOR USE

«Endomethasone N» — «Septodont»; «Endomet Plain» — «Septodont», France
«EndoFill» - «PD», Switzerland

ANTISEPTIC CEMENT BASED ON TRICREZOL-FORMALDEHYDE RESIN TRICREDENT

PURPOSE

Filling root canals in case of apical periodontitis and pulpitis.

Do not use in case of arsenic periodontitis and root canal bleeding when treating pulpitis using vital extirpation method.

«Tricredent» material is also used when filling canals using gutta-percha pins.

FEATURES

«Tricredent» dental material is produced as two components:

«Tricredent» **liquid** is solution of tricresol-formaldehyde bakelite resin featuring antiseptic effect.

«Tricredent» **powder** contains radiopaque filler. At mixing of 1-2 volume parts of powder with 1 volume part of liquid, plastic radiopaque pastes forms, which perfectly obturates canal, features no shrinkage and minimal coloring effect on tooth hard tissues. Hardening time is from 48 hours to 2-3 weeks (depending on consistency).

The material causes slight pain if contacting outside apex.



PACKAGING

Powder	15 g
Liquid	10 ml
Solvent	10 ml

ANALOGUES FOR USE

«Creidodent» - «Alpha-Beta Medical Supply», USA

DENTAL MATERIAL ON CALCIUM, SILICON, ALUMINUM OXIDES BASIS TRIOXIDENT



PACKAGING

Powder	0.5 g x 10 pcs
Powder (capsules)	0.35 g x 10 pcs
Powder	0.3 g x 10 pcs
Instruments*	3 pcs
Basic paste	1 g /2.4 g /7.2 g /18 g
Catalytic paste	1 g /1.6 g /4.8 g /12 g
Powder	05 g x 10 pcs
Liquid	3 ml
Instruments*	3 pcs / 1 pc

* The use of instruments for retrograde filling allows metered, without effort to apply the material to hard-to-reach areas of the root canal.

ANALOGUES FOR USE

«ProRoot, MTA» – «Dentsply», USA
 «MTA – Angelus» – Angelus, Brazil
 «MTA – Fillapex» – Angelus, Brazil
 «Biodentine» – «Septodont», France

«Trioxident» dental water-plasticizable material is available as:

- powder;
- powder and liquid (quick-hardening);
- paste - paste.

PURPOSE

- retrograde filling;
- filling upper apex part of canal with incomplete root formation;
- sealing perforations and other defects of root canal;
- treatment-isolating pulp covering;
- root canal filling in the treatment of pulpitis or apical periodontitis. It is used in combination with gutta-percha pins (single-pin method and all types of condensation techniques).

FEATURES

«Trioxident» dental material in all its performances is a calcium aluminosilicate cement, which contains fine particles of oxides of calcium, silicon, aluminum, a plasticizer, radiopaque filler and active bacteriostatic additive - copper-calcium hydroxide. When mixing with water the plastic mass is formed, which actively allocates calcium hydroxide (provides high alkalinity of material - pH 12.8), gradually hardens, turning into insoluble calcium hydroaluminosilicate during the reaction.

«Trioxident» stimulates processes of apexigenesis and osteogenesis in case of treating teeth with non-formed roots, it prevents resorption of bone tissue and stimulates dentinal bridge formation in case of pulp covering; possesses good bactericidal effect, high biocompatibility, low solubility, high mechanical strength; also provides good sealing of root canals, making them impermeable to bacteria.

	«Trioxident»	«Trioxident» quick-hardening	«Trioxident» paste/paste
Composition	calcium, silicon, aluminum oxides, plasticizer, radiopaque filler, copper-calcium hydroxide	calcium, silicon, aluminum oxides, plasticizer, radiopaque filler, copper-calcium hydroxide, hardening accelerator	calcium, silicon, aluminum oxides, plasticizer, radiopaque filler, disalicylate resin
Purpose	retrograde filling, correction of root canal defects	indirect and direct pulp covering, temporary filling	filling of root canals in the treatment of pulpitis or apical periodontitis (sealer)
Mixing ratio	powder : distilled water 3 : 1	powder : liquid 3.5 : 1	paste : paste 1 : 1
Working time	10-15 min	3-4 min	4-8 hours
Initial hardening time	4 hours	12-15 min	2 hours
Compressive strength	40±2 MPa	more than 90 MPa	

CALCIUM-PHOSPHATE CEMENT PHOSPHADENT

PURPOSE

Filling root canals both using the pins and without the latter under all types of permanent filling materials, including the composite ones.

FEATURES

«Phosphadent» dental material contains:

- calcium hydroxide;
- calcium phosphates;
- calcium fluoride;
- radiopaque additives.

«Phosphadent» dental material features low solubility, it forms a plug in the area of apical foramen when the upper part of the canal is carefully filled at the distance of 0.5 to 0.7 mm from the apex.

As a result of chemical reactions by mixing the powder and water, calcium hydroxiapatite is formed stimulating the formation of linking tissues on the apex level. The paste in canal hardens within 72 hours.



PACKAGING

Powder	15 g
Liquid	12 ml

ANALOGUES FOR USE
«Biocalex» – «Spad», France
«Biopulp» – «Chema», Poland

CALCIUM-PHOSPHATE CEMENT PHOSPHADENT-BIO

PURPOSE

- endodontic treatment of infected canals both temporary and permanent teeth, of teeth with difficult root canals;
- as a sealer in case of filling canals using gutta-percha pins.

FEATURES

«Phosphadent-Bio» material is produced as powder/liquid set. «Phosphadent-Bio» liquid is water solution of plasticizer. «Phosphadent-Bio» powder contains calcium oxide, hydroxide and phosphate and radiopaque filler.

Calcium oxide features necessary effect for successful endodontic treatment:

- it binds residual moisture on root canal walls with carbon dioxide providing formation of calcium hydroxide and carbonate hermetizing micro- and macrocanals;
- absorbing water, it significantly (almost doubles) increases in volume, compacts and hermetically seals the canal;
- it allows achieving sterility of the root canals and reducing the degree of infection, providing a long time alkaline environment (pH 12.8);
- it stimulates reparative regeneration of tissues around root canal.

The mineralizing ability of calcium oxide is higher than other calcium-containing compounds.



PACKAGING

Powder	15 g
Liquid	12 ml

ANALOGUES FOR USE
«Biocalex» – «Spad», France
«Biopulp» – «Chema», Poland

ZINCOXIDE-EUGENOL CEMENT EODENT LONG-HARDENING



PACKAGING

Powder	25 g
Liquid	8 ml

ANALOGUES FOR USE

«Endodent», — «PSP Dental», England

PURPOSE

Filling root canals, both in adult and pediatric dentistry.

FEATURES

«Eodent» long-hardening dental material is produced as powder/liquid set. The powder contains zinc oxide, hydroxiapatite, which stimulates regeneration of bone tissue and radiopaque filler. The liquid contains eugenol with plasticizer additives, providing high fullness of the system powder-liquid (3-4:1) at mixing and low solubility (no more than 0.5%) of the material.

«Eodent» long-hardening features long working time (6-8 hours), high plasticity, long hardening time (48-72 hours), good sealing effect, and also prolonged antimicrobial effect. The material is technological and can be easily removed from canal.



CALCIUM CONTAINING MATERIALS

- CALCEVIT
- CALCESIL
- CALCELIGHT
- CALCETATE

MATERIALS FOR GUM TREATING

- BELAIOD
- BELSOL №3
- VITADONT
- KP-PLAST
- PARASEPT
- FTORASEPT

HEMOSTATIC MATERIALS

- ALUMOSIL
- ALUMOGEL
- ALVANES
- CAPRAMIN
- RE-CORD

ANESTHETIC MATERIALS

- DESENSIL
GEL, PASTE, SPRAY

CHEMICAL-MECHANICAL PREPARATION OF CARIOUS CAVITIES

- CARICLEANS

CALCIUM CONTAINING PASTE ON CALCIUM HYDROXIDE BASIS CALCEVIT



Dental radiopaque filling material based on calcium hydroxide «Calcevit» is a multi-purpose material which is produced in two forms:

- **ready-to-use paste**;
- **powder** mixed with distilled water or saline solution (see «Endodontic dental materials»).

PACKAGING

Paste	7 g
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ANALOGUES FOR USE

«Calxyd» — «Spofa Dental», Czech Republic
«Calcipulpe» - «Septodont», France
«Cavity Liner paste» - «PD», Switzerland

FEATURES

«Calcevit»-paste includes:

- high-dispersed calcium hydroxide creating high pH level (not less than 12.5), providing long bactericidal effect, as well as stimulates cells of pulp for creation of dentine bridge in the place of its outcrop, and odontoblasts for creation of secondary dentine;
- paste-formator on water base, providing deep penetration of the material in dentine canals and their sealing;
- calcium fluoride, which consolidates teeth tissues;
- radiopaque additives.

Treatment with «Calcevit»-paste gives good results: due to sterility of the environment (as result of alkaline reaction) and calcification of dentine canals, the access of bacteria and products of their vital functions to pulp completely stops, which prevents their subsequent infection.

PURPOSE

Therapeutic lining for indirect and direct pulp cover in case of treating deep caries and reversible forms of pulpitis by biological method (with maintaining the viability of the root pulp).

CALCIUM CONTAINING CHEMICAL CURING MATERIAL CALCESIL



PURPOSE

Therapeutic lining for direct and indirect pulp covering under all types of permanent fillings.

FEATURES

«Calcesil» material is a two-component (paste-paste) radiopaque calcium-containing chemical curing material. The material features high clinical effect (stimulates dentinogenesis during and after tooth treatment, restores pulp plastic functions) and comprises:

- calcium hydroxide providing formation of secondary dentine layer, restoration of traumatic pulp and maintaining its viability;
- calcium phosphates and fluoride strengthening tooth tissues;
- methylsalicylate featuring antiseptic effect on hard tissues microflora and forming chelate complexes with calcium;
- radiopaque additives, paste-adjuster and high-dispersed filler.

PACKAGING

Basic paste	5 g / 13 g
Catalytic paste	3 g / 11 g

ANALOGUES FOR USE

«Dycal» — «Dentsply», USA
«Calcimol» — «Voco», Germany
«Septocalcine ultra», — «Septodont», France
«Cavity Liner» Compound — «PD», Switzerland

LIGHT-CURING CALCIUM CONTAINING MATERIAL CALCELIGHT

PURPOSE

Calcium containing lining for covering deep carious cavities (i.e. indirect isolation of pulp) under fillings made of glassionomer and composite materials.

FEATURES

«Calcelight» is a one-component light-cured radiopaque lining material containing calcium hydroxide, polymer linking (oligocarbonatemethacrylate), radiopaque filler, initiators and activators of photopolymerization.

«Calcelight» material prevents pulp from toxic effect of permanent filling. The material features high stability and low solubility, thermoinsulating effect and chemical affinity with polymeric materials providing high level of adhesion with composites.

The controlled short time of the material hardening at non-limited working time creates additional conveniences in usage.



PACKAGING

Paste	1.5 g / 3.5 g
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ANALOGUES FOR USE
«Ultra-blend plus» – «Ultradent», USA
«Cavity Liner LC» – «PD», Switzerland

CALCIUM HYDROXIDE SUSPENSION CALCETATE

PURPOSE

Isolating cavities before introducing cement linings, permanent fillings and for treating tooth stumps before crowns cementing and bridge prostheses.

FEATURES

«Calcetate» dental material is a suspension of white color containing calcium hydroxide; fluorinating component (fluoric calcium), film-adjuster (polistirol, natural resins) and evaporating base.

After application of suspension, tooth hard tissues are covered with dry film containing particles of the filler, calcium hydroxide and fluorine components providing film roughness due to their different size which improves adhesion of the applied material.

The obtained film adheres tightly to tooth tissues, covering dentine canals and protecting dentine and pulp from detrimental effects of composite materials. This film creates a chemical barrier for acids in filling material, reducing teeth sensitivity under amalgams and decreasing possibility of secondary caries formation.



PACKAGING

Suspension Solvent	5 ml 15 ml
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ANALOGUES FOR USE
«Contrasil» – «Septodont», France

IODINE-CONTAINING ANTISEPTIC PASTE BELAIOD



PURPOSE

- antiseptic treatment of oral mucosa at treating stomatitis, gingivitis, periodontitis;
- treatment of infected root canals.

PACKAGING

Paste	3 g
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ANALOGUES FOR USE

«Iodo Glycol Paste Neo» - «Neo Dental Chemical Products Co., Ltd», Japan

FEATURES

«Belaiod» iodine-containing paste features strong bactericidal effect on staphylococcus, candida, albicans and etc. It is also used as antibiotic in case of parodontitis treatment.

Glycerin and lecithin contained in the material soften and prolong the effect of iodine.

WATER-BASED LIQUID WITH BIOLOGICALLY ACTIVE ANTIOXIDANTS COMPLEX BELSOL



PURPOSE

«BelSol» is a set of liquids for oral cavity treatment:

- **liquid №1 (concentrate)** is used for hygienic and prophylactic rinsing before visiting dentist or preparing dental impressions (see «Prophylactic dental materials»);
- **liquid №1 with fluorine (concentrate)** is used for fluorination and prevention of tooth caries and periodontics (see «Prophylactic dental materials»);
- **liquid №2 (concentrate), ready-to-use or gel** is used for prophylactic rinsing and antiseptic treatment of mucosa in cases of gingivitis and initial forms of periodontitis, and also for the treatment of infected tooth canals and medical treatment of carious cavities before filling, and for dentures, brackets and implants (see «Endodontic dental materials»);
- **liquid №3 (concentrate)** is used for rinsing in case of mucosa inflammation, gingivitis and periodontitis.

PACKAGING

Liquid №3 (concentrate)	20 ml
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ANALOGUES FOR USE

«Race gel» - «Septodont», France
«Alustat gel» - «Cerkamed», Poland

FEATURES

Liquid №3 is water-based elixir of orange color containing a complex of biologically active antioxidants (beta-carotene, vitamins E and C).

PASTE-BANDAGE BASED ON LECITHIN WITH VITAMIN COMPLEX VITADONT

PURPOSE

Treatment and prevention of gingivitis and periodontitis.

FEATURES

«Vitadont» antibactericidal paste-bandage is vitaminized based on wax-lecithin complex containing beta-carotene, vitamins E and C. The material features sedative and anaesthetic effect.

Complex of natural components and bio-active agents provides softness and elasticity of periodont tissues. Vitamin complex (beta-carotene, vitamin E and ascorbic acid) effectively protects oral mucosa from active pro-oxidants (i.e. active forms of oxygen and free radicals). Lecithin provides quick assimilation of vitamins.

Besides vitamin complex «Vitadont» paste includes the most precious natural component - beeswax. Treating components of beeswax penetrate into gums and reduce pain, disinfect oral cavity due to adsorption of harmful components on wax.



PACKAGING

Paste

15 g

ANALOGUES FOR USE
«Expasyll» - «Pierre Rolland», France

SELF-RESOLVING PLATES BASED ON NATURAL POLYSACCHARIDES KP-PLAST

PURPOSE

Treatment and prevention of bleeding and inflammatory periodontal diseases with gingivitis and periodontitis.

Available as:

- «KP-Plast-phyto»;
- «KP-Plast-vita»;
- «KP-Plast-antimicrobial»;
- «KP-Plast-white».



PACKAGING

Plates 5 x 10 cm

2 pc

ANALOGUES FOR USE
«Diplen-Denta» - «Nord-Ost», Russia

FEATURES

«KP-Plast» is self-resolving plates based on natural polysaccharides allows to upkeep prolonged the required therapeutic concentration of medical substances in affected tissues of periodont.

«KP-Plast-phyto» plates are made on polysaccharides and polypeptides of natural origin basis. The plates contain eco-friendly extracts of camomile, calendula, milfoil.

Vitamin K and silicic acid salts, which milfoil contains, postulate hemostatic effect, increase blood clotting. Camomile extract has anti-inflammatory and anti-allergenic effects, and it also promotes intensification of regenerative processes of oral mucosa. Calendula has bactericidal effect at coccal microflora, possesses well-defined anti-inflammatory and epithelizing effect.

«KP-Plast-vita» contains vitamins complex (C, E, beta-carotene). Beta-carotene protects cellular structures of soft tissues of oral cavity from destruction by free radicals, heals and strengthens gums. Vitamin E improves tone of impaired blood capillaries, promotes bleeding reduce and periodontal tissue regeneration, accelerates wound healing of oral mucosa. Vitamin C promotes reduction of permeability of connective tissue and cells of capillaries, decreases intercellular spaces, which not only removes edema but also makes oral mucosa tissues inaccessible for penetration of infectious agents.

«KP-Plast-antimicrobial» contains metronidazole and chlorhexidine. Chlorhexidine has a fast and strong bactericidal effect at gram-positive and gram-negative bacteria. A combination of chlorhexidine and metronidazole is effective concerning anaerobic bacteria, colonizing oral cavity.

«KP-Plast white» is self-adhesive polymeric film for teeth whitening based on hydrogen peroxide 1.5%. Plates are colorless and imperceptible at teeth surface, tightly stick to teeth, preventing the outcome of the active components in oral cavity. At the end of the course of whitening, besides clarification to the natural color, teeth get to shine.

EUGENOL-FREE PASTE FOR TREATING COMPRESS PARASEPT



PACKAGING

Paste	60 g
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ANALOGUES FOR USE

«Septo-pack» — «Septodont», France

PURPOSE

- treating-protection compress at local form of periodontitis;
- temporary filling;
- for the ousting of the gums in cervical area of the tooth before filling.

The paste can be applied as a neutral basis with other medications (metronidazole, iodoform, etc), promoting retention of them at the level of gum, tooth or alveolus.

FEATURES

«Parasept» paste containing fibers is based on zinc-sulfate cement powder, contains no eugenol. The paste features antibacterial and anti-inflammatory effect.

In the oral cavity, the paste remains plastic for 2-3 minutes after application to the treated area. Total hardening time is 20-30 min. «Parasept» compress protects treating pastes from saliva effect.

PARASEPT ANTISEPTIC



PACKAGING

Paste	60 g
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ANALOGUES FOR USE

«Septo-pack» — «Septodont», France

PURPOSE

- treating compress in case of sore-necrotic gingivitis, chronic parodontitis, parodontal abscess after parodontal surgical treatment;
- temporary filling.

FEATURES

«Parasept» antiseptic is eugenol-free plastic paste based on zinc sulfate cement powder and a biocompatible fiber filler. Treating effect is provided by metronidazole which is active against gram-positive, gram-negative and anaerobic bacteria. «Parasept» antiseptic effectively influences on pathogen flora stopping inflammatory process.

ANTISEPTIC GEL FTORASEPT

PURPOSE

- treatment of an inflammation and gingival hemorrhage, and also a mucous oral cavity under removable denture;
- prevention of caries, hyperesthesia and hypoplasia, non-carious damages of enamel.

FEATURES

«FtorAsept» gel contains:

- chlorhexidine - antiseptic, is active in insignificant concentration and possesses a wide spectrum of action concerning gram-positive, gram-negative bacteria and fungoid flora. Due to residual activity, it provides duration of bactericidal effect on the microorganisms forming a dental deposit, promoting the prevention and treatment of gingivitis, reduces an gums inflammation.
- aminofluoride is the most effective carrier of fluorine ions, providing optimum concentration of active fluorine on a surface of hard tooth tissues and rendering anti-carious action. Forming the highly stable protective layer on the tooth surface steady against the action of saliva, preventing loss of calcium, not dissolving in acids aminofluoride reduces the permeability of dental enamel. Possessing surface activity, aminofluoride protects hard tooth tissues from formation of a dental deposit.
- natural betaine, possessing properties of alive cells protection and easily transporting water for their humidifying that is useful for water balance of an oral cavity mucous membrane and removal of a symptom of mouth dryness.

«FtorAsept» gel has a pleasant taste.



PACKAGING

Gel	10 g
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ANALOGUES FOR USE
«Elmex gelee» — «GABA», Switzerland

RETRACTION PASTE ALUMOSIL

PURPOSE

Temporary atraumatic retraction and gum dewatering:

- by restoration the cavity of II and V class;
- by taking impressions;
- by fixation of crowns and dental bridges;
- by periodontal therapy.

FEATURES

«Alumosil» retraction paste contains:

- aluminum chloride, which determines the astringent, hemostatic and retraction properties of the material;
- inert filler;
- flavoring and technological additives.

The paste introduced into the gingival sulcus provides effective gum retraction, long hemostasis, quickly drains the gingival field, gently affects the tissue, and is easily removed after application by an air-water stream.



PACKAGING

Paste	1.5 g
Cannula with paste	0.3 g x 10 pcs.

ANALOGUES FOR USE
«Expasyl» — «Pierre Rolland», France

HEMOSTATIC GEL ALUMOGEL



PACKAGING

Gel

5 ml

ANALOGUES FOR USE

«Race gel» – «Septodont», France
«Alustat gel» – «Cerkamed», Poland

«Alumogel» material is produced as: «**Alumogel**» and «**Alumogel**» (forte).

PURPOSE

- hemostatic in case of capillary bleeding;
- gum retraction when taking impressions, cervical caries treatment;
- professional hygiene;
- treating root canals in case of apical bleeding.

FEATURES

Hemostatic effect of the main component of «Alumogel» materials, i.e. aluminum chloride which intensifies centimonium bromide contained in the gels featuring bactericidal effect. The gel form allows you to apply the material locally, without spreading, while the maximum concentration of hemostatic in the hemorrhage is achieved.

For quicker hemostasis, iron salts are added in «**Alumogel**» (forte).

«Alumogel» (forte) material on iron basis can change color of gum tissue, which restores in 1-2 days. Hemostatic gels «Alumogel» and «Alumogel» (forte) are non-toxic, easy to use, causes no irritations, are easily washed off by a stream of water.

ANTISEPTIC HEMOSTATIC MATERIAL ALVANES



PACKAGING

Paste
Powder

20 g
7 g

ANALOGUES FOR USE

«Alvogyl» - «Septodont», France
«Alstase» - «Septodont», France
«Alveolex» - «Biodinamica», Brazil

PURPOSE

«**Alvanes**» hemostatic paste is used as an astringent by removing tartar, curettage of periodontal pockets, gingivectomy and after picking up impression.

«**Alvanes**» powder is used as a hemostatic agent by removing tartar, curettage of periodontal pockets, gingivectomy, alignment of ridgelike alveolar processes, treating dental alveolus and after picking up impression.

FEATURES

«**Alvanes**» hemostatic paste is resolving agent for alveolus, which covers the bleeding surface and due to swelling after contact with blood, it presses the hurt capillaries. The pressure and the hemostatic effect of aminocaproic acid provide quick bleeding stoppage.

«Alvanes» material contains: lidocaine hydrochloride, i.e. local anaesthetic; cetrimide, i.e. strong antiseptic; gel-adjuster; aminocaproic acid, i.e. hemostatic.

«**Alvanes**» finely-dispersed antiseptic paste is easily sprayed, covering the bleeding surface of the mucosa and stops capillary bleeding.

The material comprises natural polysaccharide, forming gel in contact with blood; sodium alginate facilitating quick hemostasis; antiseptic (iodoform 0.01%).

The material is non-toxic and is compatible to antibiotics or antiseptics.

HEMOSTATIC LIQUID CAPRAMIN

Dental material is available in two liquids: «Capramin» and «Capramin» (forte).

PURPOSE

- hemostatic in case of bleeding;
- dental alveolus treatment;
- gingival retraction;
- treating root canal by canal bleeding.

FEATURES

The main component of «Capramin» material is aluminum chloride (i.e. haemostatic) intensifies centimonium bromide featuring bactericidal effect.

«Capramin» (forte) is water-based, contains 15.5% ferrous sulphate, provides fast hemostasis, can change gum tissue color.

«Capramin» and «Capramin» (forte) liquids are non-toxic, causes no irritation, easy to use and easily washed off.



PACKAGING

Liquid	30 ml
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ANALOGUES FOR USE
«Racestypine» — «Septodont», France
«Alustat» - «Serkamed» - Poland
«Astringent» - «Ultradent», USA
«Hemostatic» - «PD», Switzerland

SET FOR GINGIVAL RETRACTION RE-CORD

PURPOSE

«Re-Cord» cord is used to displace gingival tissue during gingival retraction, for prevention of gingival leakage during preparation of cavity in cervical area.

«Re-Cord» liquid is used in case of apical and gingival bleeding as well as gingival retraction by treating retraction cords or as an independent means of reducing tissue volume (by introducing liquid directly into the gingival sulcus).

FEATURES

The therapeutic effect of «Re-Cord» liquid is associated with the astringent-reducing properties of aluminum chloride contained in the composition. Retraction (compression and deallocation) of the gums is temporary, then soft tissues restore their original shape.

«Re-Cord» retraction cords are made by weaving from cotton fiber, possessing unique absorbent properties. The weaving of the threads reduces the probability of fibers separation and inclusion of fibers in the impressions. The dark color of the cords is necessary for easy detection in sulcus. «Re-Cord» cords are produced in 3 sizes with markings №1, №2, №3.

Untreated cords are made from 100% cotton by weaving, are used for mechanical gum retraction if the patient has periodontal or oral mucosa diseases. If necessary, the untreated cord can be treated with «Re-Cord» liquid individually.

Treated retraction cords «Re-Cord» are ready-to-use braided cotton cords reinforced with polyester fiber, processed using special technology; are used for combined chemical-mechanical gingival retraction, provide effective retraction which is necessary for obtaining high-quality impressions.



PACKAGING

Set:	
Retraction liquid	5 ml
Retraction cord (untreated) №1, №2 or №3	2 m
Set:	
Retraction liquid	15 ml
Retraction cord (untreated) №1 + №2 + №3	2 m each
As separate items:	
Retraction liquid	5 ml
Retraction cord (treated) №1, №2 or №3	2 m

ANALOGUES FOR USE
«Racestypine» — «Septodont», France
«Retracord» — «PsP Dental», England

GEL AND PASTE FOR REDUCTION OF TEETH AND MUCOSA SENSITIVITY

DESENSIL – VLADMIVA



«Desensil-VladMiVa» set consists of:

- **anaesthetic gel** for oral mucosa;
- **paste** for reduction of teeth hyperesthesia;
- **set of liquids** for reduction of teeth hyperesthesia (see «Attendant dental materials»).

ANAESTHETIC GEL

PACKAGING

Gel

5 ml / 60 g

FEATURES

The main component of «Desensil-VladMiVa» gel is lidocaine hydrochloride (12%), effectively anesthetizes and has no allergic effect on tissues. The mechanism of action of lidocaine is based on inhibition of sodium penetration in nervous fibers.

Lidocaine hydrochloride is characterized by longer period of action (2 times superior to novocaine) and the best acceptability.

The material has different flavors (mint, orange, forest berry, cherry, strawberry).

ANALOGUES FOR USE

«Xylogel», — «Septodont», France
 «Xylonor Spray» — «Septodont», France
 «Anaestho Gel» — «Voco», Germany

PURPOSE

- anesthesia before injection (deothermocoagulation, excision);
- anesthesia for excision of the gums, during simple curettage;
- facilitation of X-rays in case of high vomiting reflex.

PASTE



PACKAGING

Paste

5 ml

PURPOSE

- quick removal of dental hyperesthesia symptoms caused by defects in enamel covering or erosion;
- treatment of hypersensitivity of frontal teeth of a milk bite damaged by «bottle caries»;
- decreasing tooth sensitivity resulting from whitening, grinding during dental crowning, teeth abrasion with improper brushing, etc.

FEATURES

The material contains:

- hydroxyapatite providing enamel remineralization;
- potassium and sodium ions preventing pain;
- strontium ions, providing long-term protection of tooth hard tissues from sensitivity;
- lecithin, which is part of cell membranes and regulates the transfer of ions and molecules through these membranes;
- eugenol and filling featuring antiseptic effect.

«Desensil-VladMiVa» paste remains on teeth for a few hours providing prolonged therapeutic effect on hypersensitive teeth.

LIQUID BASED ON LIDOCAINE HYDROCHLORIDE DESENSIL – VLADMIVA ASEPT

PURPOSE

Is used for local anesthesia with antiseptic treatment of oral mucosa in the following situations:

- point of injection before anesthetic injection by tooth removal (mobile, milk);
- before removal of dental tartar;
- fitting of crowns and prosthetic bridge;
- elimination of nausea and vomiting reflex by taking impressions of teeth and X-ray research;
- opening of surface abscesses;
- removal of hypertrophied gums areas.

FEATURES

The liquid consists of lidocaine hydrochloride, cetrimide, auxiliary components: ethyl spirit, propylene glycol, sweetening agent, flavor enhancer, distilled water. Lidocaine hydrochloride (2-diethylamino-2.6-acetoxylidide hydrochloride) is anesthetic agent, which has deep and fast anesthetic impact at treated surface.

Cetrimide (cetyltrimethylammonium bromide) is a quaternary ammonium compound, possesses antimicrobial effect concerning gram-positive bacteria, to a lesser extent concerning gram-negative bacteria, variable anti-fungal activity, is effective against viruses. Material has a pleasant mint flavor.



PACKAGING

Liquid (spray)

30 ml

SET FOR CHEMICAL-MECHANICAL PREPARATION OF CARIOUS CAVITIES WITHOUT USING DRILLING MACHINE CARICLEANS

PURPOSE

«Caricleans» set of gels is used in dentistry (including pediatric one) for softening of carious dentine in case of medium caries and root caries without damaging healthy dentine.

Set of special instruments is used for manual removal of softened tissue of carious dentine without using drilling machine.

FEATURES

«Caricleans» set comprises two gels to be used one after another. Gel № 1 contains complexing agent of hard tissues dissolving destroyed mineral components of carious dentine. Complexing agent dissolves non-stable calcium phosphates and oxyapatite without damaging healthy dentine. Gel № 1 comprises antiseptic (cetrimide) featuring protective effective action concerning gram-positive, gram-negative and anaerobic bacteria.

The main component of Gel № 2 is sodium hypochlorite dissolving uncovered collagen fibers (organic part of dentine). Due to softening effect of gels, carious and healthy dentine can be easily separated. Carious dentine is easily removed with «Caricleans» instruments of different types. Carious-damaged dentin can be effectively and safely removed with special atraumatic instruments of «Caricleans» set, possessing different geometric shapes of the working part and a sharpening angle of cutting edges of 90°. Atraumatic rectangular sharpening of the cutting edges of the instruments allows classifying them as «cleaning out» rather than «cutting out» and reduces the risk of removing healthy dentine. Combined usage of gels with instruments provides effective chemical-mechanical preparation of carious cavities. Usage of gels in case of carious enamel is not effective.



PACKAGING

Gel №1	3 g
Gel №2	3 g
indicator	10 ml
Instruments	8 pcs

Available as a set and separately as set of gels and instruments.

ANALOGUES FOR USE
«Carisolv» — «Medi Team», Sweden

MATERIALS FOR PERIODONTICS



Health of your gums

YOU CAN FIND DESCRIPTION OF MATERIALS ON THE FOLLOWING PAGES:

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MATERIALS FOR ORAL HYGIENE

- AIR-CLEANS
- BELSOL №1
- BELAGEL - R
- COLOR-TEST
- POLIDENT

SENSITIVITY REMOVAL

- DESENSIL

WHITENING MATERIALS

- BELAGEL
- BELAGEL - O
(WHITE, LIGHT, ACTIVE)

REMINERALIZING MATERIALS

- BELAGEL - Ca/P
- GLUFTORED
- COLORDENT

FLUORIZATING MATERIALS

- BELAK - F
- BELAGEL - F
- NANOFLUOR

SILVERING OF TOOTH HARD TISSUES

- ARGENATE
ONE/TWO-COMPONENT

FISSURE SEALANTS

- FISSULIGHT
- FISSHIM

MATERIALS FOR PREPARATION AND POLISHING TEETH BY SANDBLASTING TREATMENT METHOD

AIR-CLEANS



PACKAGING

«Air-Cleans» PROPH	20 g / 300 g
«Air-Cleans» SOFT	200 g
«Air-Cleans» PERIO	120 g
«Air-Cleans» PREP 29 µm	40 g / 200 g
«Air-Cleans» PREP 45 µm	40 g / 200 g
«Air-Cleans» SUSPENSION	100 ml

ANALOGUES FOR USE

«Air-flow classic» - «EMS», Switzerland; «Air-flow perio» - «EMS», Switzerland
«Air-flow soft» - «EMS», Switzerland

FEATURES

«Air-Cleans»-PROPH as the major component contains **sodium hydrocarbonate** with the particles size 65µm, which allows purifying at sparing effect at hard tooth tissues. The powder has a sweet taste (contains sweetening agent), pleasant refreshing smell and lemon, mint, blackcurrant, exotic fruit (tropic) and cherry flavour.

«Air-Cleans»-SOFT is manufactured on glycine basis (average particle size is 65 µm), possesses soft abrasive properties and pleasant sweet taste without adding sweetening agent. Air-Cleans-SOFT is the best solution for regular prophylactic actions and revisits.

«Air-Cleans»-PERIO is manufactured on glycine basis (average particle size is 25 µm), possesses soft abrasive properties and pleasantly sweet taste without adding sweetening agent. The particle size of glycine guarantees sparing effect on the surface of teeth soft tissues, enamel, dentine, fillings, implants and the milk teeth surface of children.

«Air-Cleans»-PREP 29 µm contains an abrasive component, i.e. aluminum oxide, anticompressed component, sweetening agent and flavoring agent (lemon). The average particle size (29µm) and high hardness of abrasive allows easily preparing hard tooth tissues.

«Air-Cleans»-PREP 45 µm contains an abrasive component, i.e. aluminum oxide, anticompressed component, sweetening agent and flavoring agent (lemon). An abrasive with particle size of 45µm allows preparing carious tooth tissues, effectively removing thick dental deposit, performing preparation of wedge-shaped tooth defects and exact preparation of teeth before their crowning.

«Air-Cleans» suspension is water-based, contains **hydroxyapatite** (particle size is 5-7 µm) and the substances forming the suspension, i.e. emulsifier, preservative and giving the suspension a pleasant refreshing flavor (mint) as an abrasive component. The density of the suspension is 1-1.1 g/cm³.

«Air-Cleans» powders are produced after the sandblasting method. Under the action of water stream and compressed air the powder effectively purifies hard tissues, returning the natural color and healthy shine to teeth.

«Air-Cleans» is produced in the form of 2 different for purpose powders:

«PROPH», «SOFT», «PERIO» – for prophylactic treatment;

«PREP» – for preparation of cavities;

and of «Air-Cleans» suspension for removal of tartar (by VECTOR system method).

PURPOSE

«Air-Cleans» for prophylactic treatment:

«Air-Cleans» - PROPH

(on soda basis):

- removal of tartar and soft tooth sediments;
- removal of pigmentations and teeth whitening;
- fissures cleaning before sealing;

«Air-Cleans» - SOFT

(on glycine - 65 µm basis)

- removal of minor plaque;
- soft polishing;
- regular teeth cleaning of patients with sensitive periodont;
- expansion of caries cavities.
- removal of biofilm and tooth plaque around brackets.

«Air-Cleans» - PERIO

(on glycine - 25 µm basis)

- treatment of gingival pockets;
- subgingival polishing;
- reduce of the amount of pathogenic microbe flora in gingival pockets;
- removal of biofilm around implants;
- dental sickness prophylaxis of children.

«Air-Cleans» suspension:

- tartar removal;
- purification of tooth roots surface;
- teeth polishing.

«Air-Cleans» for oral cavities preparation:

«Air-Cleans» - PREP

(on aluminum oxide - 29 µm basis)

- preparation of carious cavities in the area of dental neck;
- the final treatment of caries cavities of various localizations;
- using in case of heightened sensitivity of teeth.

«Air-Cleans» - PREP

(on aluminum oxide - 45 µm basis)

- old fillings removal;
- removal of thick dental deposit;
- carious cavities expansion.

LIQUID FOR ORAL CAVITY MUCOSA TREATMENT BELSOL

PURPOSE

«BelSol» set of liquids for treatment of oral cavity:

- **liquid №1 (concentrate)** is used for hygienic and prophylactic rinsing before visiting dentist or taking impressions;
- **liquid №1 with fluorine (concentrate)** is used for fluorination and prevention tooth caries and gum diseases;
- **Liquid №2 (concentrate) ready-to-use or gel** are used for prophylactic and antiseptic treatment of mucosa in cases of gingivitis and initial forms of periodontitis and also for rinsing of infected teeth canals and drug treatment of caries cavities before filling procedure, as well as in the presence of prosthesis, brackets and implants (see «Endodontic dental materials»);
- **Liquid №3 (concentrate)** is used for rinsing in cases of mucosa inflammation, gingivitis and periodontitis (see «Treating dental materials»).



PACKAGING

Liquid №1 (concentrate)	125 ml
Liquid №1-F (concentrate)	125 ml
Set:	
Liquid №1-F (concentrate)	118 ml
Quart-measure	1.14 l
Plastic cup (0.2 l)	50 pcs

ANALOGUES FOR USE
«Calypso» - «Septodont», France

FEATURES

Liquid №1 (concentrate) contains aluminum chloride featuring slightly astringent property, which promotes reduction of gingival bleeding, purification of oral cavity of mucus and food remnants, reduces salivation, and also features microbostatic and microbicidal effect on bacteria in oral cavity.

Liquid №1 with fluorine (concentrate) contains 1.5% sodium fluoride, water, hypoallergic food colors, flavoring and sweetening agents.

From the concentrate by dilution with distilled water neutral solution (pH=7) containing 0.2% sodium fluoride for prevention of tooth caries is obtained.

SOFTENING GEL BELAGEL – R

PURPOSE

Is used for revealing and softening of dental tartar at its removal from movable teeth in case of parodontal diseases.

FEATURES

The specific properties of the drug are due to the acid contained in it, which partially dissolves the salts forming tartar. This allows less damage to the hard tissues of the tooth and mucous membrane than by removing the tartar in the usual way.

The essential oils that make up «Belagel-R» give a feeling of freshness, and coloring of tartar in blue contrasts with the enamel and the oral cavity mucosa, which allows a doctor to control his work.



PACKAGING

Gel	5 ml
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ANALOGUES FOR USE
«Dentrol Ultra» – «Septodont», France

LIQUIDS FOR DIAGNOSTICS OF ORAL CAVITY HYGIENE COLOR-TEST



PACKAGING

Liquid №1, №2, №3	20 ml
Liquid №3 with brush	2 ml

Produced as separate items.

ANALOGUES FOR USE

«Caries Detektor» – «Kuraray Dental», Japan
«Caries Marker» – «Voco», Germany
«Snoop» – «Pulpdent», USA

FEATURES

The properties of «**COLOR-TEST №1**» containing iodine, potassium iodide and the base are determined by the capability of glycogen (which quantity is increasing in case of inflammation) to give coloration in the process of interaction with iodine-containing solutions. When applying the liquid to soft tissues of the oral cavity, inflamed areas are colored.

«**COLOR-TEST №2**» contains basic fuchsin which adsorbs on damaged protein of tooth hard tissues and gives red-violet coloration to softened enamel and dentine. Healthy tooth tissues, i.e. enamel and mineralized dentine at the same time will not be colored. Thus, the dentist can determine the level of surgical intervention.

«**COLOR-TEST №3**» contains methylene blue which gives blue color to bacterial dental deposit without changing color of intact hard tooth tissues and mucosa.

«**COLOR-TEST №4**» is used for determining the mouth of the root canals of complicated morphology (see «Endodontic dental materials»)

PURPOSE

Liquid №1 is used for revealing inflammatory processes in soft tissues of oral cavity (Schiller-Pisarev test).

This test evaluates degree of periodontium inflammation and its treatment effectiveness. The test is used for determination of inflammation area to be treated in case of gingivectomy and parodontal sockets curettage, for determination of under-gingival deposits.

Liquid №2 is used for revealing of softened enamel and dentine in case of caries; for control of full removal of carious dentine, and also for detection of microcracks in fillings.

Liquid №3 is used for revealing of soft and hard dental plaque and for evaluation of oral cavity hygiene by a dentist or by a patient himself at home.



PACKAGING

Paste №1, 2, 3 (set)	40 g / 40 g / 30 g
Paste №1, 2	5 ml / 90 g
Paste №3	5 ml

Available as a set (in jars) and separate items (in syringes and tubes).

ANALOGUES FOR USE

«Detartrine» - «Septodont», France
«Detartrine Z» - «Septodont», France
«Clint» - «Voco», Germany; «Clean Joy» - «Voco», Germany
«Remin Pro» - «Voco», Germany

FEATURES

«**Polident №1**» paste features chemical and mechanical effect on tooth thick deposits. It contains acidic agent softening thick deposits, abrasive agent removing deposits from teeth and antiseptic agent preventing secondary deposit.

«**Polident №2**» paste contains abrasive agent, which allows cleaning enamel and fissures with minimal risk of damaging them. «Polident №2» paste contains hydrophilic paste-adjuster providing paste plasticity and easy application. The material can be easily removed from teeth surface with water.

«**Polident №3**» paste containing carbamide peroxide, i.e. the most effective enamel-free bleaching agent whitens tooth tissues. Abrasive agent removes soft deposit easily, fluorides and phosphorus derivatives contained in the paste remineralize and protect tooth enamel.

SET OF ABRASIVE POLISHING PASTES POLIDENT

Polishing pastes «Polident» possess abrasive properties, fluoridate (pastes with fluoride) and protect teeth enamel, create pleasant feeling of freshness in oral cavity. «Polident» pastes contain an abrasive, antiseptic and taste additives, paste-adjuster and filler.

PURPOSE

Paste №1 is used for softening and removing of tartar without enamel damaging. It is also used for treatment of tooth hard tissues discolouring and is recommended for smokers and those suffering from lithiasis.

Paste №2 is used for removing of soft deposits, dental pellicle and treating of enamel before teeth restoration, fissures sealings, teeth whitening as well as for prevention of caries by removing dental tartar.

Paste №3 is used for enamel whitening, remineralizing and fluorodizing.

LIQUIDS FOR REDUCTION OF TEETH SENSITIVITY DESENSIL – VLADMIVA

«Desensil-VladMiVa» set comprises:

- **set of liquids** for removal of teeth hyperesthesia;
- **anesthetic gel** for mucosa (see «Treating dental materials»);
- **paste** for reduction of teeth hyperesthesia (see «Treating dental materials»).

PURPOSE

Reduction of dentine sensitivity in case of:

- wedge-shaped defect, exposure of the cervical part of the tooth crown.
- enamel erosion, treatment of «live» tooth stump to be crowned and as lining by treating of deep cavities.

FEATURES

Dental liquids «Desensil-VladMiVa» № 1 and № 2 by cooperative using are simple and effective material for reduction of teeth sensitivity.

Liquid №1 is a solution containing phosphate, calcium-carbonate and antiseptic.

Liquid №2 is a solution containing calcium and strontium salts.

When treated consequently with both liquids the reaction takes place at the dentine surface and in dentine canals with formation of microcrystal layer of insoluble salts (3 µm thick): calcium and strontium phosphates and carbonates. In this case soluble potassium salts penetrate deep inside of dentine canals, reducing transmission of nervous impulse and reducing pain conductivity.

«Desensil-VladMiVa» liquids feature no irritation to tissues of oral cavity, do not change teeth coloring and have no allergic effect.



PACKAGING

Liquid №1	15 ml
Liquid №2	15 ml

ANALOGUES FOR USE

«Xylonor gel», – «Septodont», France
«Xylocontact, creme» – «Pierre Rolland», France
«Anaestho Gel» - «Voco», Germany

GEL FOR INSTANT REDUCTION OF TEETH HYPERSENSITIVITY DESENSIL – ACTIVE

PURPOSE

Quickly reduces both existing tooth hypersensitivity and dentine hypersensitivity caused by dental procedures.

FEATURES

Gel «Desensil-Active» includes: deionized water, sorbitol, silica dioxide, L-arginine, monofluorophosphate, antibacterial additive, a humectant, food flavoring.

Gel «Desensil-Active» reliably closes the dentinal tubules, blocks pain senses fully, possesses a quick action and prolonged effect. Moreover, gel «Desensil-Active» has sparing polishing properties, does not change the texture of the surface of tooth enamel and dental restorative materials.

«Desensil-Active» gel can be used both before and after dental procedures, such as professional dental hygiene (ultrasonic cleaning), whitening, teeth preparation by the orthopedic treatment, dental and other therapeutic procedures. By regular use in patients with hypersensitive dentine, it creates a long-term barrier protecting from tooth sensitivity.



PACKAGING

Gel	10 ml
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ANALOGUES FOR USE

«Elmex Sensitive» - «Gaba», Germany
«Sensitive Pro-Relief» - «Colgate», USA

SET OF GELS FOR TOOTH WHITENING AND REMINERALIZING BELAGEL



PACKAGING

For home teeth whitening

«Belagel-O», 20% or 12%	1 ml	4 pcs
«Belagel-Ca/P»	1 ml	2 pcs
«Belagel-F»	1 ml	2 pcs
Paste for oral mucosa protection	5 ml	1 pc
Compensating varnish	12 ml	1 pc
Thermoplastic spoon (mouthguard)		2 pcs

For clinical teeth whitening

«Belagel-O», 30%	5 ml	1 pc
«Belagel-Ca/P»	5 ml	1 pc
«Belagel-F»	5 ml	1 pc
Paste for oral mucosa protection	5 ml	1 pc

ANALOGUES FOR USE

«Opalescence» — «Ultradent», USA

PURPOSE

«Belagel» set is used for complex treatment of tooth hard tissues.

«Belagel-O» is used for removal of discolorations, both the ones which were initially on teeth, and appeared with age, as well as for whitening of pulpless teeth.

«Belagel-Ca/P» is used for prophylaxis and elimination of high tooth sensitivity emerged in the process of whitening.

After whitening and remineralization, it is necessary to conduct fluorination of teeth by gel «Belagel-F» for enamel strengthening.

FEATURES

«Belagel-O» is unique whitening system. Depending on carbamide peroxide concentration the preparation can be used both at home under dentist supervision (12%, 20%), and at clinic (30%). It is recommended to combine home and clinical whitening.

«Belagel-Ca/P» components-ions, which are contained in healthy tooth enamel, actively penetrate in tooth hard tissues and promote their mineralization. Whitening procedures should be alternated with remineralizing therapy («Belagel Ca/P») for prevention of possible phenomena of hyperesthesia of tooth hard tissues.

«Belagel-F» dental gel is based on natural polisaccharide of natrium alginate. The gel is characterized by high penetration ability of F- ions into tooth tissues providing their mineralizing, and promotes regeneration of tooth enamel.

«Belagel-Ca/P» and «Belagel-F» gels are used in case of teeth hyperesthesia and enamel injuries, in case of exposure of tooth neck, etc.

«Aksil» paste is intended for protection of gingiva, at application of whitening systems («Belagel O»-12%, 20%, 30%).

The whitening, remineralization and fluoridating process in home conditions is performed in analogue to clinical one.

GEL SYSTEM BASED ON CARBOMIDE PEROXIDE (12%, 20%, 30%) BELAGEL - O



PACKAGING

Gel, 30 %, 20 % or 12 %	5 ml
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ANALOGUES FOR USE

«Opalescence», — «Ultradent», USA
«Dental Wite», — «Colgate», USA

PURPOSE

- removal of tooth discolorations, both the ones which were initially on teeth and appeared with age;
- pulpless teeth whitening.

FEATURES

«Belagel-O» is universal whitening gel system with carbamide peroxide as the most modern and sparing whitening agent. Peroxide is the source of atomic oxygen, under action of which breaking up of organic matters painting tooth tissues occurs. Active oxygen removes bacteria cooperant to forming of unpleasant smell. A whitening gel contains 30% water, consequently, there is no drying and dehydration of hard tissues. Teeth do not lose shine.

The potassium ions containing in «Belagel-O» prevent appearance of sensitiveness of teeth. Depending on concentration of carbamide peroxide preparation can be used both at home under dentist supervision (12%, 20%) and at clinic (30%).

Home and clinical whitening should be combined.

By filling and restoration of teeth, it is recommended preliminary to conduct whitening of a dental row with the purpose of the correct choice of a restoration material tint.

GEL SYSTEM BASED ON HYDROGEN PEROXIDE 6% BELAGEL – O WHITE

for home teeth whitening

PURPOSE

Mobile device for the full course of natural teeth whitening and for maintaining white teeth after professional whitening procedure.

FEATURES

«Belagel-O» white is the universal whitening gel system, composed as a whitening agent is hydrogen peroxide 6.67%.

Before the whitening procedure, it is recommended to dry the teeth with wipes.

- Put dental retractor in the mouth.
- Apply gel gently to the front surface of the teeth, avoiding the gums and lips.
- Wait for 30 seconds until the whitening agent does not dry up, remove the dental retractor. Leave gel for 5-10 minutes, then rinse your mouth with water.

Repeat whitening procedure if necessary, but not more than 3 times a day. After 2-3 days of application of the whitening agent, using of remineralizing agent «Belagel Ca/P» is recommended.

To achieve a better effect during the whitening, it is recommended to avoid food, drinking or smoking for an hour after gel application. In case of appearing of dental sensitivity or gum irritation, you should stop the whitening procedure and consult with your dentist.



PACKAGING

Gel «Belagel-O» white	2 ml
Gel «Belagel-Ca/P»	2 ml
Retractor	1 pc

ANALOGUES FOR USE

«Brite Smile Professional Teeth Whitening» - «Brite Smile», Inc

GEL SYSTEM BASED ON HYDROGEN PEROXIDE 10% AND 15% BELAGEL – O LIGHT

PURPOSE

Clinical teeth whitening.

FEATURES

The components of «Belagel-O» light are capable of absorbing a certain spectrum of light, which activates the action of the whitening gel. The use of gel «Belagel-O» light provides an improvement in tooth color by 6-8 shades on VITA scale. The most effectively gel removes yellow and brown spots on teeth that have not been whitened previously and can be used for whitening of all types of spots.

Gel, like any other whitening agent, does not whiten restoration materials.

At the end of the whitening procedure, remineralization and fluorination of patient's teeth should be carried out.



PACKAGING

Gel	1.5 g
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ANALOGUES FOR USE

«Zoom» — «Discus Dental», USA

GEL SYSTEM BASED ON HYDROGEN PEROXIDE 20% AND 30% BELAGEL – O ACTIVE



PACKAGING

Gel based on hydrogen peroxide	1.5 g
Gel-activator	1.5 g

ANALOGUES FOR USE

«Opalescence Xtra Boost» – «Ultradent», USA

PURPOSE

- removal of tooth discolorations, both the ones which were initially on teeth and appeared with age;
- pulpless teeth whitening including intracoronal whitening.

FEATURES

Belagel-O active whitening system consists of a gel on hydrogen peroxide 20% (30%) basis and a gel containing an alkaline activator.

By mixing two types of gels, hydrogen peroxide is broken down with formation of active radicals under the action of which breakage of organic substances staining tooth tissues occurs. The blue color of the gel makes it easier to control the whitening process.

The use of the «Belagel-O» active improves teeth color by 6-8 shades according to VITA scale.

Gel does not whiten restoration materials.

REMINERALIZING GEL BELAGEL – Ca/P



PACKAGING

Gel	5 ml / 10 g
Gel (pen)	2.5 ml

PURPOSE

- prophylaxis of dental caries at its initial stage (white spot);
- remineralization of enamel in case of non-carious lesions appeared during formation of teeth;
- in cases of hard tissue hyperesthesia, enamel hypoplasia, hard tissue erosion, etc.

FEATURES

The components of «Belagel-Ca/P» remineralizing gel are ions that make up healthy tooth enamel, actively penetrate the enamel and dentin of affected teeth and contribute to their mineralization.

1 g of «Belagel-Ca/P» material in ionic form contains: 11 mg of calcium, 5 mg of phosphorus, 32 mg of chlorine, 1.8 mg of potassium, 0.9 mg of magnesium and 20 mg of sodium.

By applying the gel on the tooth surface and after drying, a film is formed that remineralizes the tooth tissue for 3-5 hours. For a longer application, the gel should be used with a mouthguard.

DENTAL SET FOR DEEP FLUORINATION OF ENAMEL AND DENTINE GLUFTORED

PURPOSE

Deep enamel and dentine fluorination in case of:

- prevention and treatment of the primary and secondary caries and caries at the stage of spot;
- prevention of caries before and after usage of orthodontic constructions;
- fissures sealing (without enamel preparation) with effect of deep mineralization;
- treatment of hypersensitivity of cervical area of the tooth, dentine sensitivity reduction after preparation of tooth cavity and tooth stump;
- pulp isolation from chemical effect of monomers and acids, which are contained in composite materials and other types of fillings;
- periodontitis treatment.



PACKAGING

Liquid	10 ml
Suspension	10 ml

FEATURES

«Gluftored» dental set consists of:

- **liquid** is a solution of blue color, containing fluoride and copper ions;
- **suspension** is finely dispersed calcium hydroxide in distilled water with stabilizer.

ANALOGUES FOR USE

«Enamel-dentine hermetic liquid» — «Humanchemie», Germany

As a result of successive application of liquid and suspension, sealing of enamel microcracks, tubules of dentine and cement occurs. The obtained substance is a high molecular weight polymer of silicic acid with submicroscopic crystals of calcium fluoride, magnesium fluoride and copper fluoride - II deposited in it. It is alkaline in nature and extremely dense, which provides effective protection for dentin and pulp from the effect of acids and monomers contained in composite materials.

Unlike usual fluorination, during deep fluorination, microcrystals of calcium fluoride, less than 1 μm in size, are formed directly in the dentinal tubules and pores of damaged enamel, which provides effective, prolonged protection against caries.

Submicroscopic crystals of calcium fluoride are a constant source of fluoride ions, providing long-term remineralization and effective sealing of hard tissues, which helps to restore the alveolar-dental system. Copper compounds guarantee effective protection of tooth hard tissues from cariogenic microorganisms.

Deep fluorination does not reduce the adhesion and retention of filling and restoration materials.

VARNISH FOR DECORATIVE COLORING OF TOOTH HARD TISSUES COLORDENT



PACKAGING

Set of varnishes of following colors:

white enamel tint 1	6 ml
white enamel tint 2	6 ml
silver sparks	6 ml
golden sparks	6 ml
lilac	6 ml
pink	6 ml
green	6 ml
emerald sparks	6 ml
red	6 ml
blue	6 ml
black	6 ml
yellow	6 ml

Available as a set and as separate items.

PURPOSE

- coloring of tooth enamel in white with glossy or pearly shine;
- decorative coloring of teeth in different colors (yellow, blue, black, etc.).

FEATURES

Varnish «ColorDent» includes natural film-former, capable of forming a thin solid film, possessing antiseptic and antibacterial properties; solvent; thickener; shading pastes based on titanium dioxide or pigments of different color, as well as remineralizing additive (hydroxyapatite), promoted to the restoration of tooth mineral structure.

Varnish «ColorDent» is safe in using, does not damage the oral mucosa, can be easily removed with a toothbrush.



LIGHT-CURED VARNISH FOR DECORATIVE COLORING OF TOOTH HARD TISSUE COLORDENT - LC

PURPOSE

Decorative coloring of teeth in different colors.

FEATURES

«ColorDent» - LC is **light-cured**, low-viscosity, abrasion-resistant one-component composite material, containing fluorinating components that provide a caries-protective effect.

«ColorDent» - LC dental material is produced as a paste (white, transparent and (5 colors) with shimmering effect). The food colors contained in the material correspond with international standards.

PACKAGING

Paste (transparent)	1 ml
Paste (white)	1 ml
Paste (yellow)	1 ml
Paste (orange)	1 ml
Paste (red)	1 ml
Paste (green)	1 ml
Paste (blue)	1 ml
Gel for enamel and dentine etching on organic base	3 ml

Available as a set and separate items (in syringes).

FLUORIZATING VARNISH BELAK – F

«Belak-F» dental material is produced in two forms:

- «Belak-F» white;
- «Belak-F» transparent.

PURPOSE

- prevention of teeth caries in children and adolescents;
- a medication at teeth hyperesthesia, wedge-shaped defects, traumatic enamel damage and other non-caries lesions.

FEATURES

«Belak-F» white contains solvent, film-adjuster and fluoric potassium.

Fluorine ions strengthen tooth enamel, lower its penetrability and prevent teeth from caries.

«Belak-F» transparent contains natural film-adjuster, fluoride compound of the new generation (aminefluoride), antiseptic component and solvent. Fluorine ions, contained in the preparation, strengthen tooth enamel, reduce its penetrability, and prevent teeth from caries development.



PACKAGING

Varnish

25 ml

ANALOGUES FOR USE
«Profluorid varnish» - «Voco», Germany
«Fluorex» - «Omega-Dent», Russia

FLUORIZATING GEL BELAGEL – F

PURPOSE

Prevention of teeth caries:

- at teeth hyperesthesia;
- wedge-shaped defects;
- traumatic enamel damage and other non-caries lesions.

FEATURES

«Belagel»-F (pH=4) is based on natural polysaccharides, contains 1.23% fluorine ions, xylitol and vitamin E.

«Belagel»-F (pH=7) is based on natural polysaccharides.

Gels possesses high penetrating ability of fluorine ions (F⁻) into tooth tissues, stimulates tooth enamel regeneration and prevents teeth from caries.



PACKAGING

Gel
Gel

5 ml / 10 g
500 ml

ANALOGUES FOR USE
«Fluoridin Gel 5» — «Voco», Germany
«Fluorex gel» — «Chema», Poland
«Profluorid varnish» - «Voco», Germany

FLUORIZATING VARNISH BASED ON NATURAL RESINS AND NANODISPERSED HYDROXYAPATITE NANOFLUOR



PACKAGING

Varnish	5 ml
Solvent	5 ml

ANALOGUES FOR USE

«Bifluorid 12» – «Voco», Germany
«Copal varnish» - «PD», Switzerland

PURPOSE

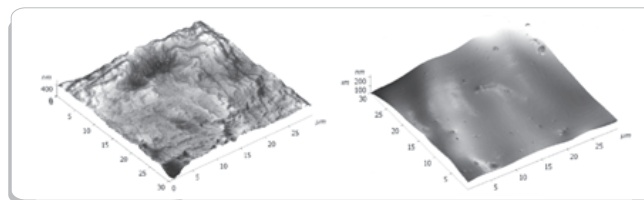
Deep fluorination and rapid remineralization of dentine and enamel:

- at prevention and treatment of primary and secondary caries, caries in the stage of spot, root caries;
- wedge-shaped defects treatment ;
- after removal of dental deposits at the professional hygienical teeth cleaning;
- after removing of the braces and tooth enamel polishing;
- after curettage of periodontal pockets to protect the cervical area of tooth with cervical hyperesthesia;
- treatment of teeth hyperesthesia after using etching technique (restoration with composite materials, fissures sealing, installation of bracket systems);
- at abrasive damage to enamel and dentin as a result of improper brushing of teeth or by injuring teeth;
- when processing contact surfaces of adjacent teeth with fixed orthopedic structures;
- when processing «live» stump of a prepared tooth before fixing a permanent denture;
- treatment and prevention of caries in children and adolescents: preservation of temporary teeth until permanent, fissures sealing at the stage of their maturation in case of pigmented deep fissures of permanent teeth;
- before filling for isolation of deep tooth cavities.

FEATURES

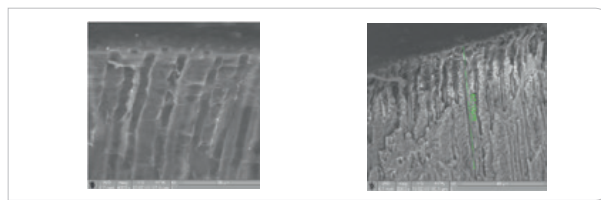
«Nanofluor» varnish contains:

- aminofluoride and sodium fluoride, increasing resistance of dental enamel to influence of acids, that warns development of caries. Aminofluoride is the organic compound of fluorine of new generation, possessing the promoted fluoridize activity with the protracted therapeutic action. Optimum maintenance of fluoridize components provides the instantaneous isolation of teeth from the different kinds of irritants;
- natural resin possessing antiseptic and bactericidal properties, able to form thin solid film during 40-60secs, not influencing on adhesion of restorations materials to dentine;
- nanodispersed colloid hydroxyapatite, promoting to renewal of mineral structure of tooth enamel, remineralization of deep carious cavity dentine and normalization of the functional state of tooth pulp ;
- chlorinebutanol, rendering moderately distracting, anti-inflammatory and antiseptic action.



Scan of a thin section of tooth surface made with an atomic force microscope Ntegra Aura

Scan of a thin section of tooth surface previously covered with «Nanofluor» varnish made with an atomic force microscope Ntegra Aura



Open dentine tubules

Transverse cleavage of dentine, the surface of which is pre-treated with varnish «Nanofluor»

LIQUIDS FOR TEETH SILVERING AND FLUORINATION

ARGENATE

«KALEIDOSCOPE» series
the material for pediatric dentistry

PURPOSE

«Argenate» **one-component** is used for fluorination and reduction of tooth sensitivity (except frontal), prevention of secondary caries development, as well as for silvering of tooth root canals at initial forms of development of carious processes (especially milk teeth caries).

«Argenate» **two-component** is used for silvering of infected and impassable canals, milk teeth caries, and teeth affected by cervical caries.

FEATURES

«Argenate» **one-component** is produced in the form of a colorless transparent liquid, containing complex salt of diaminoargentum fluoride (I). The material effect is based on the transformation of calcium and orthophosphate ions of tooth hydroxyapatite into calcium fluoride and silver orthophosphate. These components coagulate proteins of dentine organic base blocking penetrating cavities of tooth hard tissues which leads to strengthening of dentine structure. Clinical effectiveness of one-component «Argenate» is several times higher than that of the preparations based on silver nitrate.

«Argenate» one-component material does not irritate tooth pulp due to calcium fluoride formed on dentine surface. This layer narrows dentinal tubules preventing penetration of silver ions. The material features a prolonged bactericidal effect providing an inhibitory effect on ferments that destroy the mineral substances of milk teeth.

«Argenate» **two-component** for silvering tooth hard tissues includes **liquid №1**, containing silver in ionic form, **liquid №2** with silver regenerator, liquid petrolatum for mucosa isolation at silvering of milk teeth and teeth cervical part.

The silvering method is about the penetration of silver ions into the macro and microtubules of tooth hard tissues, the restoration and deposition of silver in the dentinal tubules in the form of densely spaced grains that fill the lumen of the tubules almost completely. The material features a prolonged bactericidal effect providing an inhibitory effect on ferments that destroy the mineral substances of milk teeth.



PACKAGING

One-component	
Liquid	5 ml
Two-component	
Liquid № 1	4 ml
Liquid № 2	3 ml
Liquid petrolatum	5 ml

ANALOGUES FOR USE
«Saforide» — «Toyo sayaku KO», Japan
«Cariostatic» — «Vatar Proxima», Brazil

LIGHT-CURED FISSURES SEALANT FISSULIGHT

«KALEIDOSCOPE» series
the material for pediatric dentistry



PACKAGING

	syringes / capsules
Transparent paste	1 ml / 0.25 g x 20 pcs
Paste of white color	1 ml / 0.25 g x 20 pcs
Paste of golden color	1 ml / 0.25 g x 20 pcs
Paste of orange color	1 ml / 0.25 g x 20 pcs
Paste of red color	1 ml / 0.25 g x 20 pcs
Paste of green color	1 ml / 0.25 g x 20 pcs
Paste of blue color	1 ml / 0.25 g x 20 pcs
Gel for enamel and dentine etching on organic base	3 ml

Available as set and as separate items.

ANALOGUES FOR USE

«Fissurit» - «Voco», Germany
«Fisseal» - «WP Dental», USA
«Jen Fissu Fill» - «Jen Dental», USA

PURPOSE

Fissures sealing and other anatomical sockets of intact teeth.

FEATURES

«Fissulight» sealant is a light-curing one-component, low-viscosity, resistant to abrasion composite material containing fluorinating components that provide a carious-protective effect.

«Fissulight» sealant is available in the form of a paste (white, transparent and color with shimmering effect). The use of transparent paste is preferred in cases of early carious fissures and allows you to control the condition of the enamel under a transparent layer of sealant. Color sealants are easy to apply and visually control during sealing and subsequent inspections. A bright color palette (6 colors) helps to gain the trust of a small patient, allowing him to participate in the treatment process at choosing the color of the sealant. Food colors included in the sealant correspond to international standards and are not washed out of the cured material. Light cured sealant saves time. Syringes with nozzles for direct use make it possible to easily and accurately apply the sealant to the prepared fissure.

An etching gel on organic basis contains a bactericidal substance (benzalkonium chloride), which eliminates the possible sensitivity associated with bacterial contamination of the surface of a treated tooth. Benzalkonium chloride has a microbostatic and microbicidal effect on gram-positive and gram-negative bacteria and candida.

CHEMICALLY CURED FISSURES SEALANT FISSHIM

«KALEIDOSCOPE» series
the material for pediatric dentistry



PACKAGING

Paste one of the colors (white, yellow, red, blue, green)	
Basic	3 ml
Catalytic	3 ml
Gel for enamel etching	5 ml
Set:	
Basic paste:	
yellow	3 ml
green	3 ml
blue	3 ml
red	3 ml
Catalytic paste	3 ml x 4 pcs
Etching gel	5 ml

Available as set and as separate items.

ANALOGUES FOR USE

«Delton» — «Jonson & Jonson», USA
«FisSil» - «StomaDent», Russia

PURPOSE

Being the material of exogenous prophylaxis of occlusal caries of temporary and permanent teeth, it is used for fissures sealing and other anatomical sockets of intact teeth and for isolating areas sensitive to caries damage.

FEATURES

«Fisschim» chemically cured sealant is a composite based on an organic binder and silanized finely dispersed quartz filler. «Fisschim» consists of two pastes: main and catalytic. The fluorine-containing components included in the sealant provide a carious-protective effect.

«Fisschim» is produced in different colors (white, blue, red, yellow and green with shimmering effect). Color sealants are easy to apply and visually control during sealing and subsequent inspections. A bright color palette helps to gain the trust of a small patient, allowing him to participate in the treatment process when choosing the color of the sealant. The food colors included in the sealant correspond to international standards and are not washed out of the cured material.



ADHESIVES

- BELABOND
LIGHT CURED
- BELABOND
CHEMICALLY CURED

LIQUID FOR DEFATTING AND DEHYDRATING TOOTH HARD TISSUES

- ANHYDRIN

MATERIALS FOR FILLINGS ROTECTION

- AKSIL
- AKSIL - LC

ETCHING GELS

- GEL
ON ORGANIC
BASE
FOR ENAMEL
AND DENTINE ETCHING
- GEL
FOR DENTINE
ETCHING
- GEL
FOR ENAMEL
ETCHING

POLISHING MATERIALS

- POLIDENT №4

LIGHT-CURED ADHESIVE BELABOND



PACKAGING

Primer	5 ml
Adhesive	5 ml
Gel for enamel etching	5 ml

PURPOSE

Providing a strong connection (adhesion) of light cured composite materials with hard tooth tissues. It can be used in combination with any light cured composite materials.

FEATURES

«Belabond» **TWO-COMPONENT LIGHT-CURED ADHESIVE SYSTEM** consists of primer and adhesive.

The water-based **primer** completely moistens the dentin surface and easily penetrates dentinal tubules. The hydrophilic phosphorus-containing oligoethermethacrylate, included in the primer, promotes the formation of chemical bonds with tooth tissues and the formation of retentional polymer strands in dentinal tubules.

Adhesive containing oligoethermethacrylate resins, during polymerization, forms a chemical bond with the primer and the composite.

«Belabond» adhesive system provides strong linkage and perfect marginal seal due to chemical adhesion during restoration of the anatomical shape of the tooth.



PACKAGING

Adhesive	5 ml
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«Belabond» **ONE-COMPONENT LIGHT-CURED ADHESIVE SYSTEM** contains methacrylate oligomers (HEMA, PMDM, UDMA), nanofiller, polymerization activators, stabilizers, solvents.

The adhesive has the properties of a desensitizer, completely moistens the surface of the dentin and easily penetrates dentinal tubules. Polyfunctional monomers that make up the adhesive contribute to the formation of chemical bonds with tooth tissues and the formation of retentional polymer strands in dentinal tubules.

«Belabond» **SELF-ETCHING LIGHT-CURED ADHESIVE** contains methacrylate oligomers (HEMA, UDMA), polymerization activators, stabilizers, solvents.

The adhesive does not require preliminary acid etching of the tooth surface. Possessing good wetting properties, the self-etching adhesive easily penetrates the surface "smeared" layer of dentine, partially dissolving it. Polyfunctional monomers that make up the adhesive contribute to the formation of chemical bonds with tooth tissues and the formation of retentional polymer strands in dentinal tubules. Due to the simultaneous process of conditioning and diffusion, the infiltration of monomers exactly corresponds to the depth of mineralization.

CHEMICALLY-CURED ADHESIVE

PURPOSE

Providing of strong adhesion of chemically cured composite materials with hard tooth tissues.

FEATURES

«Belabond» is a composition of two liquids (catalytic and basic) and contains methacrylate oligomers, polymerization activators, stabilizers.

Adhesive possessing high chemical affinity both to polymeric materials and tooth tissues, provides perfect marginal seal during the restoration of the anatomical shape of the tooth.



PACKAGING

Adhesive (liquid № 1)	5 ml
Adhesive (liquid № 2)	5 ml
Gel for enamel etching	5 ml

ANALOGUES FOR USE

«Ibond» - «Heraeus kulzer», Germany
 «G-Bond» - «GC», Japan
 «Single Bond» - «3M ESPE», USA
 «Xeno IV» - «Dentsply», USA

LIQUID FOR DEFATTING AND DEHYDRATING TOOTH HARD TISSUES ANHYDRIN

PURPOSE

- defatting and dehydrating tooth hard tissues before filling or before installation of permanent dentures;
- cleaning prosthetic surfaces before fixing.

FEATURES

«Anhydrin» liquid contains volatile organic compounds (ethyl acetate, isopropyl alcohol and isoamyl acetate). Anhydrin liquid is easy to use, evaporates easily and does not require drying stream of compressed air. The use of «Anhydrin» liquid allows quick and high-quality degreasing and drying of tooth and prosthetic surfaces before fixation, providing adhesion of fixing cement. It causes no pain when processing a stump of a «live» tooth. Drying time (volatilization) is not more than 2 minutes.



PACKAGING

Liquid	20 ml / 30 ml / 100 ml
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ANALOGUES FOR USE
«Hydrol» — «Septodont», France

PROTECTION DENTAL PASTE AKSIL

PURPOSE

- covering fillings and their protection from saliva during 1.5-2 hours;
- gingival protection when enamel whitening.

FEATURES

«Aksil» protective paste contains a hydrophobic biocompatible component, it features repellent effect and does not irritate oral mucosa cavity.



PACKAGING

Paste	5 g
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PROTECTIVE LIGHT-CURED VARNISH AKSIL-LC

PURPOSE

- isolation of fillings made of composites and glass ionomer cements from moisture action;
- elimination of small defects and surface porosity.

FEATURES

The composition of «Aksil»-LC varnish includes oligoestermethacrylate resins, solvent, initiators and stabilizers.

«Aksil»-LC features good adhesion to filling materials, quickly cures under the action of curing light and forms a thin film that protects the glass ionomer or composite from moisture action during curing (at least 24 hours).



PACKAGING

Varnish	5 ml
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ANALOGUES FOR USE
«Fuji COAT LC» - «GC», Japan
«BisCover LV» - «Bisco», USA

UNIVERSAL GEL FOR ENAMEL AND DENTINE ETCHING ON ORGANIC BASE GEL



PACKAGING

Gel	3 ml / 10 ml
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ANALOGUES FOR USE

«Uni-Etch 32%» - «Bisco», USA

unlike gels with an inorganic thickener (finely dispersed silica oxide - aerosil), which remains on the dentin surface as a covering. Processing the prepared surface with an organic-based gel can significantly increase the adhesion of the filling material.

The bactericidal substance contained in the gel (benzalkonium chloride) eliminates the sensitivity associated with bacterial contamination of the surface of the prepared tooth. Benzalkonium chloride has a microbostatic and microbicidal effect on gram-positive and gram-negative bacteria and candida.

When applying the gel to the enamel, after 15-30 seconds microroughness is formed on the surface of the enamel, which increases the adhesion force of tooth hard tissues with filling material.

When treating dentine with a gel, smear layer is removed, dentinal tubules open, which provides higher adhesion of filling material to dentine.

PURPOSE

Enamel and dentine etching before filling of carious cavities of prepared tooth.

FEATURES

The gel for etching tooth hard tissues on organic base contains 32% orthophosphoric acid, antibacterial agent (benzalconiumchloride) and stain. The gel base comprises organic water-soluble gel-adjuster.

The gel on an organic basis, thickened with an organic polymer, has the optimal consistency and the necessary fluidity, does not spread like liquid and is completely washed off with water.

SET OF GELS FOR ETCHING TOOTH HARD TISSUES



PACKAGING

Gel for enamel etching	5 ml / 20 ml / 100 ml
Gel for dentine etching	5 ml

Available as a set and separate items (in syringes).

ANALOGUES FOR USE

«Etch-Rite», «Etch-All» - «Pulpdent», USA
«Acid Etch Gel» - «PSP Dental», England

Set of gels for etching tooth hard tissues includes:

- **gel for enamel etching;**
- **gel for dentine etching.**

PURPOSE

Enamel and dentine etching before filling of carious cavities of prepared tooth.

FEATURES

Gel for enamel etching contains 37% phosphoric acid, a gel-adjuster and a stain. When applying the gel to the enamel, after 30-40 seconds microroughness is formed on the surface of the enamel, which increases the adhesion force of tooth hard tissues with filling material.

Gel for dentine etching contains 5% maleic acid, gel-adjuster and stain. When treating dentine with a gel, smear layer is removed, dentinal tubules open, which provides higher adhesion of filling material to dentine.

Gels possesses high thixotropy, do not flow onto the gum and are easily washed off with water without residue.

POLISHING PASTE POLIDENT №4



PACKAGING

Paste of white color	3 g / 90 g
Paste of pink color	3 g / 90 g

Available as a set and separate items (in tubes).

ANALOGUES FOR USE

«Clean Polish», «Super Polish» - «Kerr», USA

PURPOSE

Preliminary and **final** treatment of fillings made of composite materials, glass ionomers and amalgams for making a dry shine.

FEATURES

«Polident №4» paste contains an abrasive, a hydrophilic paste-adjuster and an inert filler.

For pretreatment: treat the dried filling surface with **white paste** for 1 minute. After processing, wash off the paste with water from the filling surface.

To obtain a dry shine, the polishing procedure should be repeated using a paste for final treatment (**pink paste**) for 30-60 seconds.



BIOMATERIALS FOR REGENERATION OF BONE TISSUES

XENOGENIC

- BIOPLAST-DENT
- BIOPLAST-DENT
DEMINERALIZED
- BIOPLAST-DENT
DEPROTEINIZED

ALLOPLASTIC

- KLIPDENT (TCP/HAP, PL, KL, GL)
- KLIPDENT-PL COSOLVENT
- KLIPDENT PERIODONTAL
- KLIPDENT-CEM
- KLIPDENT-CEM (BINDING)

BIOMATERIALS FOR REGENERATION OF SOFT TISSUES

- BIOPLAST-DENT (MEMBRANE)
- BIOPLAST-DENT (COLLAGEN MATRIX)
- KLIPDENT-MC (SPONGE)
- KLIPDENT-MC (MEMBRANE)

ATTENDANT MATERIALS

- KLIPDENT-MC (BIOLOGICAL GLUE)
- KLIPDENT (GEL)
- BIOPLAST-DENT
(GEL BASED ON CHONDROITIN SULFATE)
- BIOPLAST-DENT
(GEL BASED ON CHLORHEXIDINE)
- KP-PLAST (PLATES)
- SILDENT ONE-COMPONENT (SEALANT)
- BELOWAX (WAX)

HEMOSTATIC MATERIALS

- BANDAGE IODOFORM
- ALVANES SPONGE

OSTEOPLASTIC MATERIAL BASED ON HIGHLY PURIFIED BONE MATRIX

BIOPLAST-DENT



«Bioplast-Dent» material consists of **75% biological hydroxyapatite** and **25% bone collagen** with a preserved biomodal porous structure in the complete absence of all low molecular weight components of bone tissue.

«Bioplast-Dent» is produced as:

- bits, chips, blocks;
- bits saturated by lincomycin (4.5%);
- bits saturated by chlorhexidine (0.25%) and metronidazole (0.5%);
- bits и chips containing radiopaque hydroxiapatite;
- demineralized blocks;
- paste based on demineralized bits.

PACKAGING

Bits	200-1000 µm	0.5 cm ³ ; 1.0 cm ³ ; 1.5 cm ³ ; 2.0 cm ³
Chips	1000-5000 µm	0.5 cm ³ ; 1.0 cm ³ ; 1.5 cm ³ ; 2.0 cm ³
Blocks	5 x 5 x 5 mm	0.5 cm ³ (4 pcs); 1.0 cm ³ (8 pcs)
	5 x 5 x 10 mm	0.5 cm ³ (2 pcs); 1.0 cm ³ (4 pcs)
	5 x 10 x 30 mm	1.5 cm ³ (1 pc)
Cortical plate	8 x 20 mm	
Sponge plate	15 x 15 mm	
	15 x 25 mm	

STERILITY! Radiation sterilization.

ANALOGUES FOR USE

«Osteomatrix» - «Konektbiofarm» Russia

«OsteoBiol» - «TecnoSS», Italy

«Bio-Oss» - «Geistlich», Switzerland

PURPOSE

Restoring the structural integrity of bone defects and increasing the osteogenic potential of bone tissue in surgical dentistry and maxillofacial surgery:

- filling of defects after cystectomy, root resection;
- filling of sockets of the extracted teeth to prevent atrophy of the contour of alveolar ridge;
- filling of cavities at sinus-lifting;
- alveolar portion reconstruction;
- closing of perforations of maxillary sinus and mandibular canal;
- filling of periodontal defects;

as well as in traumatology, orthopedics, ophthalmosurgery and other medical fields.

FEATURES

«Bioplast-Dent» materials represent cattle bone tissue, purified by method of chemical and enzymatic treatment with preservation of hydroxyapatite of biological origin and spatial architectonics, which promotes fixation of biologically active substances in structures of biomaterial without reduce of their biological activity.

Biomaterials are a fairly durable matrix, resorbable in time (6-8 months), with a bioresorption rate synchronized in time with the process of formation of new tissue. Physiological resorption proceeds with the formation of non-toxic decay products. Materials are an ideal skeleton of sprouting blood vessels and ingrowth of cells from bone bed as they have porous structure of the trabecular and diaphyseal parts of the tubular bones (micropores, macropores, Haversian canals).

Hydroxyapatite of biological origin contributes to angiogenesis, migration, and attachment of bone marrow stromal stem cells to the surface of the material, their differentiation into osteoblasts, and reparative osteogenesis.

«Bioplast-Dent» dental material possesses high biological compatibility with surrounding tissues, contributing to the absence of immune reactions of the recipient's body, and is also combined with all types of transplants, implants, endofixers.

The materials have osteogenic (osteoconductive and osteoinductive) properties, contain highly purified sulfated glycosaminoglycans within the biological norm (not less than 800 µg/cm³).

BIOPLAST-DENT with chlorhexidine and metronidazole

Chlorhexidine is active against a wide range of vegetative forms of gram-negative and gram-positive microorganisms, yeast and lipophilic viruses. The bactericidal effect is due to the binding of cations formed as a result of the dissociation of chlorhexidine in a physiological environment with negatively charged phosphate groups of bacterial cell membranes and extra-microbial complexes.

Metronidazole has antiprotozoal and antibacterial action against anaerobic protozoa and bacteria. The mechanism of action is the biochemical reduction of metronidazole nitro groups and their further interaction with the DNA of microorganisms cell, which inhibits the synthesis of nucleic acids and leads to the death of bacteria.

BIOPLAST-DENT with lincomycin

Lincomycin inhibits the synthesis of proteins in microorganisms, having a bacteriostatic and bactericidal effect. Effective against gram-positive microorganisms and mycoplasmas.

BIOPLAST-DENT cortical plate with perforation

«Bioplast-Dent» cortical plate (highly purified xenocollagen I type) is a cortical bone layer with additional perforation.

BIOPLAST-DENT sponge plate

«Bioplast-Dent» spongy plate (highly purified xenocollagen I type) is a partially decalcified spongy fragments of bone tissue. When they wetted, they can be easily contoured with sterile surgical scissors preserving their structure and volume.

The material is completely resorbed without fibrotic degeneration. Plates «Bioplast-Dent» are biocompatible, non-immunogenic, inert, which leads to the absence of inflammatory reaction or expressed reaction to a foreign body.

«Bioplast-Dent» plates are hydrophilic, absorb blood well and hold a blood clot not changing their structure. Biodegradation products do not harm the soft tissue repair process.

BIOPLAST-DENT blocks

The material possesses strength that can withstand loads during fixation. Blocks are easily in modeling, drilled during implant placement. When using, filling in slots of bone defect between the block and recipient bed of bone borders is recommended. The blocks must be kept in a hydrating solution to avoid airing. Blocks of 5x5x5 mm in size allow filling in a defect of complex shape without unnecessary modeling while preserving a natural system of biomodal pores, which makes it possible achieving a better course of regenerative process than when using only bone granules.

It possesses an expressed osteoconductivity, undergoes physiological replacement with bone tissue for 6-12 months after implantation.

BIOPLAST-DENT demineralized blocks

It is highly purified decalcified bone collagen with preserved porous structure of the spongy bone.

The material possesses demineralization degree necessary for working plasticity and modeling properties, with preserving of native morphogenetic bone proteins.

BIOPLAST-DENT demineralized (paste)

Bioplast-Dent paste is a ready-to-use material with a high level of demineralized bone bits (200-1000 μm) of animal origin in it, initiating and accelerating the processes of natural bone formation. Collagen contained in the paste contributes to the formation of a primary blood clot and penetration into the bone defect of the cells involved in healing and regeneration process. At temperature is above 25°C, the paste viscosity increases.

«Bioplast-Dent» demineralized paste can be used both separately and in a combination with other bone material for augmentation and alveolar ridge reconstruction.



PACKAGING

Paste	200-1000 μm	0.5 cm ³ ; 1.0 cm ³
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STERILITY! Radiation sterilization.

OSTEOPLASTIC MATERIAL CONTAINING HYDROXYAPATITE OF BIOLOGICAL ORIGIN

BIOPLAST-DENT DEPROTEINIZED



PACKAGING

Bits	200-1000 μm	0.5 cm^3 ; 1.0 cm^3 ; 1.5 cm^3
Blocks	5 x 5 x 5 mm	0.5 cm^3 (4 pcs); 1.0 cm^3 (8 pcs)
	5 x 5 x 10 mm	0.5 cm^3 (2 pcs); 1.0 cm^3 (4 pcs)
	5 x 10 x 30 mm	1.5 cm^3 (1 pc)
Cones	d-5; h-15 mm	8 pc
	d-7; h-17 mm	2 pc } 10 pc

STERILITY! Radiation sterilization.

ANALOGUES FOR USE

«Bio-Oss» - «Geistlich», Switzerland

FEATURES

«Bioplast-Dent» (deproteinized) is hydroxyapatite of biological origin and is a fairly strong, gradually resorbable matrix (6-8 months), on the surface of which forms newly made bone under conditions of bone defects. As a result of deproteinization, the material is devoid of cellular elements and protein fractions.

The material is an ideal skeleton of sprouting blood vessels and ingrowth of cells from bone bed as they have porous structure of the trabecular and diaphyseal parts of the tubular bones (micropores, macropores, haversian canals).

Hydroxyapatite of biological origin contributes to angiogenesis, migration, and attachment of bone marrow stromal stem cells to the surface of granules, their differentiation into osteoblasts, and reparative osteogenesis.

The material have possesses (osteoconductive and osteoinductive) properties.

«Bioplast-Dent» (deproteinized) dental material possesses high biological compatibility with surrounding tissues, contributing to the absence of immune reactions of the recipient's body, and is also combined with all types of transplants, implants, endofixers.

It is **100% highly purified biological hydroxyapatite** with a preserved biomodal porous structure in the complete absence of all organic components of bone tissue.

The material is obtained from the spongy (cortical) substance of cattle bones using physical and low-temperature processing.

«Bioplast-Dent» (deproteinized) is produced as:

- ready-to-use paste;
- bits, chips;
- blocks and cones.

PURPOSE

Restoring the structural integrity of bone defects and increasing the osteogenic potential of bone tissue in surgical dentistry and maxillofacial surgery:

- filling of defects after cystectomy, root resection;
 - filling of sockets of the extracted teeth to prevent atrophy of the contour of alveolar ridge;
 - filling of cavities at sinus-lifting;
 - alveolar portion reconstruction;
 - closing of perforations of maxillary sinus and mandibular canal;
 - filling of periodontal defects;
- as well as in traumatology, orthopedics, ophthalmosurgery and other medical fields..

BIOPLAST-DENT DEPROTEINIZED (PASTE)



PACKAGING

Paste	200-1000 μm	0.5 cm^3
Paste	up to 300 μm	0.5 cm^3

STERILITY! Radiation sterilization.

FEATURES

Allows you to «copy» any form of bone defect, reducing the risk of shear of the implanted material during surgical procedures.

«Bioplast-Dent» (deproteinized) paste is a mixture consisting of moistened cortical-cancellous bone granules with granule size up to 300 μm and 200-1000 μm .

Collagen contained in the paste promotes the formation of a primary blood clot and penetration into the augmentate of the cells involved in the healing and regeneration process. The cortical-cancellous mixture plays the role of a skeleton. At temperature is above 25°C, the paste viscosity increases.

RESORBABLE GRANULES BASED ON β -TRICALCIUM PHOSPHATE

KLIPDENT®

«Klipdent» material is produced as:

- granules, cones, blocks on the basis of β -tricalcium phosphate (60%) / hydroxyapatite (40%) **«Klipdent»-TCP/HAP**;
- granules on the basis of β -tricalcium phosphate in polylactideglycolide matrix – **«Klipdent»-PL**;
- granules on the basis of β -tricalcium phosphate in collagen matrix - **«Klipdent»-KL**;
- granules on the basis of β -tricalcium phosphate in hyaluronic matrix - **«Klipdent»-GL**.



PURPOSE

«Klipdent» material is used as osteoplastic material, optimizing regeneration of bone tissue in surgical dentistry, clinical treatment of general and maxillofacial surgery, as well as in traumatology and orthopedics.

Periodontology: filling of double- and multi-walled bone pockets, and also bi- and tri-furcation of teeth, augmentation of atrophied maxillary sinus.

Implantology: sinus-lifting or lifting of sinus basement (subantral augmentation), filling of alveolar defects for upkeeping of maxillary sinus after tooth extraction, filling of extraction defects with the purpose of creation of basis for implant.

Cyst defects: defects after extirpation of bone cyst, defects after resection of tooth root apex and defects after removal of impacted tooth by surgery way, as well as other multigrad bone defects of alveolar process and facial bones of a skull.

PACKAGING

Granules	100-500 µm	0.5 cm³; 1.0 cm³; 1.5 cm³
	500-1000 µm	0.5 cm³; 1.0 cm³; 1.5 cm³
	1000-2000 µm	0.5 cm³; 1.0 cm³; 1.5 cm³
Blocks	5 x 5 x 5 mm	0.5 cm³ (4 pcs); 1.0 cm³ (8 pcs)
	5 x 5 x 10 mm	0.5 cm³ (2 pcs); 1.0 cm³ (4 pcs)
Cones	d-5; h-15 mm	8 pcs
	d-7; h-17 mm	2 pcs

STERILITY! Radiation sterilization.

ANALOGUES FOR USE
«SynthoGraft» - «Bicon», USA
«R.T.R.» - «Septodont», France
«Calc-i-oss classic» - «Sunstar Guidor», Switzerland

FEATURES

«Klipdent» material based on synthetic surgical calcium phosphate by granulometric composition is divided into fractions:

- 100- 500 µm – small periodontal bone defects;
- 500 - 1000 µm – medium and small cystic and alveolar defects;
- 1000 - 2000 µm – large cyst defects and sinus-lifting;

Choice of granule size depends on the size and location of the defect.

Granules for bone regeneration **«Klipdent»-TCP/HAP** on the basis of β -tricalcium phosphate(60%)/hydroxyapatite(40%), are made as result of sintering synthetic raw materials, do not contain substances of animal origin, biologically compatible with body tissues. Granules possess high micro-, macro- and intergranular porosity, which creates ideal conditions for bone restoration:

- contains a radiopaque component;
- possesses prolonged resorption, high osteoinductance;
- stimulates and accelerates the healing process of bone tissue.

After implantation of the material in a bone defect, the immunoreaction is absent.

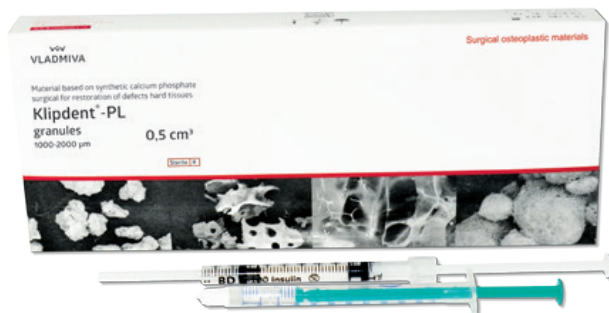
Granules on the basis of β -tricalcium phosphate(60%)/hydroxyapatite(40%) possess radiopacity.

«Klipdent»-PL material represents mineral-polymeric granules (β -tricalcium phosphate in a polylactide-glycolide matrix, providing their strength characteristics) of given porosity, morphology and architectonics, which contribute to the accelerated integration of the implant with bone tissue.

«Klipdent» materials, containing sodium hyaluronate (**GL**) and collagen (**KL**), have a stimulating effect on cell growth and contribute to activation of reparative osteogenesis in the area of injury, accelerate the differentiation of newly formed bone tissue, which is expressed in sharp increase of specific weight of regenerate bone component, as well as in more intensive maturation of bone substance. The rate of resorption of the material corresponds to the rate of formation of natural bone tissue.

Depending on the granule size and tissue regeneration potential, Klipdent material is completely resorbed in 9-15 months. Resorption proceeds in parallel with the recovery.

RESORBABLE GRANULES BASED ON SS-TRICALCIUM PHOSPHATE ENCAPSULATED IN POLYLACTIDEGLYCOID SHELL AND COSOLVENT **KLIPDENT® – PL COSOLVENT**



PACKAGING

Granules	500-1000 µm	0.2 cm ³ / 0.35 cm ³ / 0.5 cm ³
Cosolvent		0.1 cm ³ / 0.18 cm ³ / 0.25 cm ³

STERILITY! Radiation sterilization.

ANALOGUES FOR USE
«Easy-Graft» - «DS Dental», Switzerland

PURPOSE

Filling and restoration of bone defects in surgical dentistry and maxillofacial surgery:

- periodontal defects;
- tooth removal;
- sinus-lifting;
- implantation;
- resection of apex of a tooth root;
- cyst removal.

FEATURES

Osteoconductive material «Klipdent»-PL cosolvent consists of granules of β -tricalcium phosphate (-TKF) covered by a thin shell of biodegradable copolymer of polylactide glycolide and cosolvent. After mixing granules and cosolvent, the granules are gummed to each other, forming plastic material with high micro- and inter-granular porosity, which can be injected into bone defect directly from a syringe. By contact with blood or oral fluid, the material takes on the form of bone defect, which provides stability of it in defect and facilitates the procedure of wound suturing. Biomaterial is completely resorbed in 9-15 months. Resorption proceeds in parallel with the recovery.

RESORBABLE CALCIUM-PHOSPHATE MULTI-LAYERED GRANULES WITH PROLONGED RELEASE OF ACTIVE ACTING SUBSTANCES **KLIPDENT® PERIODONTAL**



PACKAGING

Granules	200-1000 µm	1.0 cm ³
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STERILITY! Radiation sterilization.

Issuance of granules of other fractions is possible.

PURPOSE

Optimization of soft and bone tissue regeneration during restoration of periodontal defects:

- filling of two- or multi-walled bone sockets, bi- and trifurcation of teeth;
- augmentation of the atrophied maxillary sinus.

FEATURES

«Klipdent» periodontal material represents resorbable calcium-phosphate multilayered granules with prolonged release of active materials.

The base of the granule consists of radiopaque β - tricalcium phosphate (20%) / hydroxyapatite (80%) in a polylactideglycolide matrix. Inner layer of the covering contains sodium hyaluronate, which has a stimulating effect on cell growth and contributes to activation of reparative osteogenesis in the area of injury, accelerates the differentiation of newly formed bone tissue, which is expressed in sharp increase of specific weight of regenerate bone component, as well as in more intensive maturation of bone substance.

The outer covering layer includes antimicrobial components that have an antibacterial effect against anaerobic protozoa and bacteria, inhibit protein synthesis in microorganisms, having a bacteriostatic and bactericidal effect, and are active against a wide range of vegetative forms of gram-negative and gram-positive microorganisms, yeast and lipophilic viruses.

«Klipdent» periodontal material is completely resorbed in 6-8 months. Resorption proceeds in parallel with the recovery.

CALCIUM-CONTAINING BIORESORBABLE MATERIAL BASED ON BRUSHITE KLIPDENT® – CEM

PURPOSE

Bone defects restoration in surgical dentistry during implant placement, maxillofacial surgery, orthopedics and traumatology.

FEATURES

«Klipdent-Cem» biomaterial contains β -tricalcium phosphate, monocalcium phosphate monohydrate, sodium hyaluronate, regulators of plasticity and integrity of the material structure. The hardening of the material occurs as a result of the process of acid-base interaction with the formation of crystalline dihydrates dicalcium phosphate as the main product, which has brushite structure with a higher absorption rate than cements based on hydroxyapatite.

Sodium hyaluronate contained in the material, significantly improves its clinical properties, having a positive influence on osteoinductivity.

«Klipdent-Cem» biomaterial provides tight contact between bone and dental implant surface, promotes formation of new autogenous bone tissue, and also prevents ingrowth of soft tissues, being effective replacement to the traditional combination of granulated material-membrane:

Indicator of the strength of hardened material is equivalent to the strength of spongy bone.

«Klipdent-Cem» biomaterial is completely resorbed within 3-4 months after implantation.



PACKAGING

Liquid	1 ml
Powder	2 g

STERILITY! Radiation sterilization.

ANALOGUES FOR USE
«VitalOs cement» - «CalciPhos», Switzerland

OSTEOCONDUCTIVE RESORBABLE MATERIAL KLIPDENT® – CEM BINDING

PURPOSE

- restoration and reconstruction of bone defects in the maxillofacial area;
- as a binding filler for bone material particles to prevent their migration and create composite augmentation material;
- filling tooth sockets after tooth extraction;
- creating a barrier for directed tissue regeneration.

FEATURES

«Klipdent-Cem» binding is a synthetic, osteoconductive, resorbable material, consists of two-phase calcium sulfate in the form of granular powder and sterile saline solution. Obtained by mixing granular powder and normal saline solution, plastic paste hardens within 2-5 minutes.

The material can be combined with antibiotics and growth factors. The granular powder, consisting of pure calcium sulfate, does not affect the regeneration process, is completely resorbed and replaced by bone tissue at a rate equal to the rate of bone formation.

The bone is ready for implant placement after 3 months.



PACKAGING

Powder	0.4 g
Liquid	0.4 cm³

STERILITY! Radiation sterilization.

ANALOGUES FOR USE
«BondBone» - «MIS», Israel

TWO-LAYER RESORBABLE MEMBRANE BASED ON COLLAGEN TYPE I AND II (DERMIS) BIOPLAST-DENT MEMBRANE



PACKAGING

Membrane	15 x 15 x 0.3 mm
	15 x 25 x 0.3 mm
	25 x 25 x 0.3 mm
	40 x 30 x 0.3 mm

STERILITY! Radiation sterilization.

At the request of the customer, other sizes issuance is available.

ANALOGUES FOR USE

«Bio-Gide» - «Geistlich», Switzerland

PURPOSE

Creation of a mechanical barrier preventing migration of soft tissues into a bone defect during surgery:

- implantation at defects in the bone tissue;
- restoration of congenital and acquired defects of bone and soft tissues;
- sinus-lifting;
- cystectomy;
- periodontitis (minimally invasive methods of treatment and reconstructive surgery);
- root apex resection;
- filling defects after removal of cysts;
- closure of maxillary sinus perforation and perforation of the mandibular canal;
- tooth removal (complicated/uncomplicated);
- as a stabilizer of a clot.

FEATURES

Resorbable two-layer membrane «Bioplast-Dent» is a type I collagen (dermis), contains no additional cross-linking agents.

The membrane has a morphology of dense oriented fibers to achieve mechanical strength, it is immunogenic, inert, which leads to the absence of an inflammatory reaction or an expressed reaction to a foreign body.

«Bioplast-Dent» membrane is non-antigenic, highly biocompatible, prevents proliferation and epithelium migration, creating optimal conditions for directed regeneration of bone tissue. Collagen structure allows you to close the bone defect surely. The material is completely resorbed without fibrotic degeneration.

PLATE BASED ON COLLAGEN TYPE I AND III FOR REGENERATION OF SOFT TISSUES BIOPLAST-DENT COLLAGEN MATRIX



PACKAGING

Membrane	30 x 10 x 0.6 mm
	20 x 15 x 0.6 mm
	30 x 20 x 0.6 mm
Circles	d-8, h-0.6 mm
	d-12, h-0.6 mm

STERILITY! Radiation sterilization.

At the request of the customer, other sizes issuance is available.

ANALOGUES FOR USE

«Mucoderm» - «Botiss», Germany

PURPOSE

Increasing in the volume of soft tissues in the oral cavity during surgery:

- augmentation and densification of the alveolar ridge soft tissues;
- soft tissue augmentation around teeth and implants;
- extension of keratinized gums;
- closure of extraction alveoli;
- closure of implants after immediate and delayed implantation.

«Bioplast-Dent» collagen matrix in the form of circle is recommended for use in cases of closure of extraction alveoli. In case of an uninfected wound, it is possible to use the material without alveoli closure with a mucoperiosteal flap.

FEATURES

Collagen matrix «Bioplast-Dent» is a type I - III collagen, contains no additional cross-linking agents.

The membrane has a morphology of dense oriented fibers, which prevents proliferation and epithelium migration, creating optimal conditions for directed regeneration of bone tissue. Collagen structure allows you to close the bone defect surely. The material is completely resorbed without fibrotic degeneration. Collagen matrix «Bioplast-Dent» is biocompatible, not immunogenic, inert, which leads to the absence of an inflammatory reaction or an expressed reaction to a foreign body.

«Bioplast-Dent» collagen matrix is hydrophilic, absorbs blood well, and holds a blood clot, without changing its structure. Biodegradation products causes no harmful effects on soft tissue repair process.

«Bioplast-Dent» is produced sterile for single use.

HIGH-EFFICIENT RESORBABLE SPONGE KLIPDENT® – MC SPONGE

«Klipent-MC» sponge material is produced as:

- sponges;
- sponges, cones and cylinders with chlorhexidine and metronidazole;
- sponges, cones and cylinders with lincomycin.

PURPOSE

- optimizes reparative osteogenesis and stimulates wound healing in soft and bone tissues;
- prevents jaws atrophy after extraction of teeth, cysts, pseudotumors and sequestrectomy;
- increases bone volume at contour correction, as well as with intraosseous implantation and surgical treatment of periodontitis.

In orthopedics and traumatology, «Klipdent-MC» sponge is used for preventing bleeding in bone tissues and wounds of traumatic genesis, at operations of various hemangiomas.



PACKAGING

Sponge	10 x 8 x 8 mm	10 pcs
	20 x 8 x 8 mm	10 pcs
Cones	d-7, h-7 mm	10 pcs
Cylinders	d-8, h-14 mm	10 pcs
	d-8, h-7 mm	10 pcs

STERILITY! Radiation sterilization.

ANALOGUES FOR USE
«Jason» - «Botiss», Germany

FEATURES

«Klipdent-MC» sponge consists of lyophilized collagen, which has hemostatic properties. Hemostatic activity of the collagen sponge is due to its high porosity, which contributes to the absorption of blood with simultaneous platelet aggregation and subsequent coagulation process. By contact of wound surface with collagen, platelet coagulation factors release, platelet aggregation occurs further, which stick to previously fixed cells, leading to the formation of a fibrin clot and closes damage site.

The effectiveness of «Klipdent-MC» sponge (with chlorhexidine and metronidazole) is due to the presence of chlorhexidine and metronidazole in its composition.

Metronidazole has antiprotozoal and antibacterial action against anaerobic protozoa and bacteria. The mechanism of action is a biochemical reduction of metronidazole nitro groups and their further interaction with DNA of microorganism cell, which inhibits the synthesis of nucleic acids and leads to the death of bacteria.

Chlorhexidine, which is a part of the sponge, is active against a wide range of vegetative forms of gram-negative and gram-positive microorganisms, yeast and lipophilic viruses. The bactericidal effect is due to the binding of cations formed as a result of the dissociation of chlorhexidine in a physiological environment with negatively charged phosphate groups of bacterial cell membranes and extra-microbial complexes.

Lincomycin, a component of «Klipdent-MC» sponge (with lincomycin), inhibits protein synthesis in microorganisms, having a bacteriostatic and bactericidal effect. It is effective against gram-positive microorganisms and mycoplasmas.

«Klipdent-MC» sponge does not cause local irritating and biotoxic effects, it stimulates tissue regeneration in the recovery stage. It needs no doctor intervention for extraction, is completely resorbed.

RESORBABLE MEMBRANE BASED ON COLLAGEN TYPE II KLIPDENT® – MC

PURPOSE

Creation of a mechanical barrier preventing migration of soft tissues into a bone defect during surgery.

FEATURES

Resorbable membrane «Klipdent-MC» is a restored type II collagen, its interfiber structure restores due to intercrosslinking of polypeptide chains. The membrane is biocompatible, promotes binding of growth factors, platelet aggregation, osteoblasts and osteoclasts, which causes bone tissue remodeling and stimulates the repair of bone defect.

«Klipdent-MC» membrane retains its barrier function during tissue regeneration without fibroblast formation, contains no antigenic factors, and can integrate into the surrounding tissue without causing an immune response. Easy to model, has optimal rigidity and plasticity. It is sterile, contains no viruses, prions, endotoxins.



PACKAGING

Membrane	15 x 15 x 0.2 mm
	25 x 15 x 0.2 mm
	25 x 25 x 0.2 mm
	40 x 30 x 0.2 mm

STERILITY! Radiation sterilization.

At the request of the customer, other sizes issuance is available.

ANALOGUES FOR USE
«Bio-Gide» - «Geistlich», Switzerland

BIOLOGICAL GLUE BASED ON PURIFIED SERUM ALBUMIN KLIPDENT® – MC



PURPOSE

Using as an aid during surgical restoration of tissue integrity through standard methods (sealing and strengthening surgical sutures, gluing tissues together, etc.). It is used both independently and as an addition to traditional means at surgical tissue repair.

FEATURES

Biological glue «Klipdent»-MC is available in double syringes. The process of polymerization begins in 20-30 seconds after mixing and reaches maximum strength in 2-3 minutes. «Klipdent»-MC glue contains purified serum albumin and glutaraldehyde. During the interaction of glue components, plastic and high-strength biopolymer is formed, which turns into a flexible hydrogel in soft tissues, retaining its elasticity throughout the entire resorption period. Glue components bind to the tissue proteins of a recipient, forming a mechanical isolating layer, where cells of connective tissue (fibroblasts) subsequently penetrate, creating a new intercellular substance that provides a complete replacement of the glue with organic tissue.

PACKAGING

Gel	0.5 ml 1 ml
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STERILITY! Radiation sterilization.

ANALOGUES FOR USE
«BioGlue» - «CRYOLIFE», USA



PACKAGING

Gel	1 ml
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STERILITY!

ANALOGUES FOR USE
«Hyadent» - «BIO-SCIENCE», Germany

FEATURES

Sodium hyaluronate, which is a part of Klipdent gel, is a highly purified biopolymer consisting of repeating disaccharide residues of N-acetylglucosamine and glucuronic acid. The hydrated gel is equivalent in composition to natural human sodium hyaluronate. A narrow range of molecular weight and the absence of animal-origin proteins reduce the risk of allergic reactions.

Due to its high viscosity, the gel slows down the process of bacteria and viruses penetration, acting as a biological barrier, which positively affects the healing process.

A mixture of hyaluronic acid and materials for bone regeneration significantly improves clinical qualities, having a positive effect on osteoinductivity, and fixing these materials at the places of application, preventing displacement of augmentation material and ensuring volume stability.

The gel effectively fixes augmentation material, regardless of whether it is an auto- or allogeneic transplant, acting as a biological membrane.

The protective effect and slow absorption of hyaluronic acid provide reliable and predictable regeneration of augmentate, especially during sinus-lifting operations.

Hyaluronic acid has a positive effect on new bone material formation and provides bond strength of the granulate particles, which allows conducting defects augmentation even in hard to reach places.

GEL BASED ON HYALURONIC ACID KLIPDENT®

PURPOSE

- reliable protection and accelerated wounds healing after surgery;
- covering a defect after bone build-up, optimizing the work with materials for bone regeneration of synthetic xeno or allo-origin, reducing scar formation in aesthetically significant areas and accelerating wound healing after implantation;
- support of regeneration process after surgical treatment of periodontal disease, gingivitis treatment, marginal superficial and deep periodontitis.

GEL BASED ON CHONDROITIN SULFATE BIOPLAST-DENT

PURPOSE

- removal of edema and inflammation of the oral mucosa tissues in the practice of surgical dentistry, in case of injuries, fractures, jaws splinting;
- prevention and treatment of periodontitis, gingivitis and stomatitis.

FEATURES

«Bioplast-Dent» gel contains sulfated glycosaminoglycan, which promotes the healing of an inflamed periodont due to synergistic action aimed at reducing the activity of proteolytic enzymes and bacterial flora hyaluronidase. Normalizing metabolism in the epithelium cells and gum fibroblasts, chondroitin sulfate quickly reduces swelling and bleeding of the gums, contributes to inflammation localization, preventing the spread of the process to surrounding tissues. Chondroitin sulfate significantly improves the state of dentin and metabolism in odontoblasts.

Chlorhexidine bigluconate (in low concentration) possesses a wide spectrum of action against gram-positive, gram-negative bacteria and fungal flora. Due to the residual activity, it provides the duration of bactericidal effect on the microorganisms forming plaque, contributes to preventing and treating gingivitis, reduces gum inflammation.

Application of «Bioplast-Dent» gel after surgical operations improves overall metabolism in tissues due to the normalization of vascular microcirculation.

«Bioplast-Dent» gel is well tolerated by patients with prolonged use and causes no allergic reactions.



PACKAGING

Gel	3 ml 10 ml
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ANALOGUES FOR USE
«Surgical Dressing» - «PD», Switzerland

GEL BASED ON CHLORHEXIDINE BIOPLAST-DENT

PURPOSE

Treatment of periodontal and peri-implant pockets after mechanical deposits removal.

FEATURES

«Bioplast-Dent» material is a gel based on a biopolymer (xanthan gum) and antiseptics (chlorhexidine) in the form of digluconate (0.5%) and dihydrochloride (1.0%), which is used as an adjunct in the treatment of periodontal and peri-implant pockets.

Chlorhexidine is a broad spectrum antiseptic with a bactericidal effect on vegetative forms of gram-negative and gram-positive microorganisms, as well as yeast, dermatophytes and lipophilic viruses. Due to its adhesive properties, the gel acts as a sterile blocking therapeutic agent with prolonged release of an antiseptic, contributing to healing process. The network structure of the gel forms a guaranteed barrier for at least 15 days, limiting re-colonization of microorganisms in gingival pockets after mechanical treatment, as well as in case of peri-implantitis.

Antiseptic components, unlike local antibiotics, do not contribute to the development of resistance in bacteria. One syringe with gel is enough to treat several periodontal pockets.



PACKAGING

Gel	1 ml
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ANALOGUES FOR USE
«CHLO-SITE» - «GHIMAS», Italy



PACKAGING

Plate	5 x 4 mm	5 pcs / 10 pcs
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ANALOGUES FOR USE

«Perio Chip» - «Dexcel Pharma Technologies LTD», Israel

«KP-Plast» plates prolongedly support the necessary therapeutic concentration of chlorhexidine with localized and generalized periodontitis in the stage of acute, contribute to healing of periodontal pockets. The plate does not require its removal from periodontal canal, is resorbed within 10 days after installation. Periodontal pocket depth should be at least 5 mm when prescribing treatment.

Treatment period is individual for each clinical situation. In most cases, one procedure is enough. Reapplication of «KP-Plast» plate is possible once in three months.

«KP-Plast» plates using allows prolonged support of the necessary therapeutic concentration of antimicrobial materials in the infected periodontal tissues.

SELF-RESORBABLE PLATES BASED ON MODIFIED GELATINE AND CHLORHEXIDINE KP-PLAST PLATES (CHIPS)

PURPOSE

Treatment of inflammatory periodontal diseases, in particular, gingivitis and periodontitis, as well as in the postoperative period at surgical intervention.

FEATURES

«KP-Plast» plates in chips form (5x4 mm) based on modified gelatin contain 2.5 mg of chlorhexidine bigluconate (36%).

Chlorhexidine is active against a wide range of vegetative forms of gram-negative and gram-positive microorganisms, yeast and lipophilic viruses. Bactericidal effect is due to cations binding formed as a result of chlorhexidine dissociation in physiological environment with negatively charged phosphate groups of bacterial cell membranes and extra-microbial complexes.

SEALANT FOR DENTAL IMPLANTS BASED ON MODIFIED SILICONE MATRIX AND THYMOL SILDENT ONE-COMPONENT



PACKAGING

Gel	0.5 cm ³
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ANALOGUES FOR USE

«GAPSEAL» - «HAGER & WERKEN», Germany

PURPOSE

Sealing of dental implants gaps to avoid peri-implantitis.

FEATURES

«Sildent» material is a gel based on silicone matrix and thymol, which is active both against bacteria and has antimicrobial properties while providing additional protection.

It seals all types of two-component implants reliably, preventing penetration of microbes inside, removing the main cause of peri-implantitis. One syringe is enough for 8-10 implants.

NON-RESORBABLE SURGICAL WAX BELOWAX

PURPOSE

Stopping bleeding from dissected, drilled bone tissue or bone fragments by mechanical filling of bone canals containing bleeding capillaries.

FEATURES

«Belowax» surgical wax is available in the form of white plates consisting of a mixture of bleached beeswax and paraffin. «Belowax» surgical wax is available in the form of white plates consisting of a mixture of bleached beeswax and paraffin. Surgical wax using leads to local hemostasis in bone tissue, creating a mechanical barrier (tamponade). Wax is a non-resorbable surgical material.

It is used in dentistry, maxillofacial, cardiovascular, thoracic surgery, as well as in traumatology and orthopedics.

Surgical wax is not recommended to use in clinical situations where rapid regeneration and fusion of bone tissue is necessary. Slight inflammatory reaction is possible in tissues adjacent to implantation site.



PACKAGING

Plate	2.5 g
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STERILITY! Radiation sterilization.

ANALOGUES FOR USE
«BONE WAX» - «Ethicon», USA

GAUZE TAMPONADE BANDAGE MADE OF 100% COTTON WITH WOVEN SELVEDGE BANDAGE IODOFORM

PURPOSE

Treatment of post-extraction sockets and for disinfection of sinuses of maxilla.

FEATURES

As a base of the bandage, a tamponade bandage made of 100% cotton with woven selvages is used.

100 g of bandage contains 5 g of iodoform.

The bandage has a mild anesthetic, antiseptic action and effective adsorption. Interacting with wound exudate, iodoform releases free iodine, which provides an expressed bactericidal effect.



PACKAGING

Bandage	2.5 m x 10 mm/ 20 mm 5 m x 10 mm / 20 mm
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ANALOGUES FOR USE
«Iododform Gauze» - «PD», Switzerland

HEMOSTATIC ANTISEPTIC COLLAGEN SPONGE

ALVANES SPONGE



«Alvanes» sponge is produced:

- with iodoform;
- with chlorhexidine and metronidazole;
- with lincomycin.

PURPOSE

Treatment and prevention of inflammatory complications in surgical dentistry and periodontology:

- after tooth removal, in particular, alveolitis treatment and periodontal abscesses;
- filling periodontal pockets after local anti-inflammatory therapy or curettage.

PACKAGING

Sponge	30 pcs
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ANALOGUES FOR USE

«Alvostase sponge» - «Omega Dent», Russia
«Hemocollagen» - «Septodont», France

FEATURES

Sponge «Alvanes» consists of lyophilized collagen, in which hemostatic components are introduced, affecting individual stages of blood coagulation, in particular, capillary bleeding stoppage, as well as anesthetic components (lidocaine).

As an antiseptic, «Alvanes» sponge **with iodoform** contains iodoform, which at contact with living tissues, releases iodine, having an antimicrobial effect, activating the formation of granulation tissue, and also has astringent and anti-inflammatory properties.

The effectiveness of «Alvanes» antimicrobial sponge **with chlorhexidine and metronidazole** is due to the presence of chlorhexidine and metronidazole in its composition.

Metronidazole has antiprotozoal and antibacterial action against anaerobic protozoa and bacteria. Metronidazole has antiprotozoal and antibacterial action against anaerobic protozoa and bacteria. Action mechanism is a biochemical reduction of metronidazole nitro groups and their further interaction with DNA of microorganism cells, which inhibits the synthesis of nucleic acids and leads to the death of bacteria.

Chlorhexidine, contained in the sponge, is active against a wide range of vegetative forms of gram-negative and gram-positive microorganisms, yeast and lipophilic viruses. Bactericidal effect is due to cations binding formed as a result of chlorhexidine dissociation in physiological environment with negatively charged phosphate groups of bacterial cell membranes and extra-microbial complexes.

Lincomycin, contained in «Alvanes» sponge **with lincomycin**, inhibits synthesis of proteins in microorganisms, having a bacteriostatic and bactericidal effect. It is effective against gram-positive microorganisms and mycoplasmas.

«Alvanes» sponge has no local irritating and biotoxic effect, stimulates tissue regeneration in the healing stage. It needs no doctor intervention for extraction, is completely resorbed in a few days.



IMPRESSION MATERIALS

- BELOPRINT
- BELOPRINT - CHROMATIC
- BELOPRINT - TIME
- BELAST
- MASSTER

MATERIALS FOR REPAIR AND MAKING OF ORTHOPEDIC CONSTRUCTIONS

- CERAMGEL
- TEMPOCOR

MATERIALS FOR FIXATION

- ARMOSPLINT
- COMPOFIX
- ORTHOFIX - AQUA
- PECTAFIX
- TEMPOFIX
- CEMION - F

LIQUIDS FOR PROCESSING OF PRODUCTS AND INSTRUMENTS

- ORTHOSOL
- MEGADEZ - ORTHO

ALGINATE IMPRESSION MATERIAL BELOPRINT



PACKAGING

Powder	450 g / 800 g
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ANALOGUES FOR USE

«Hydrogum» - «Zhermack», Italy
«Ypeen» - «Spofa Dental», Czech Republic

PURPOSE

Making impressions in prosthetics and orthodontics.

FEATURES

«Beloprint» is a non-dusting powder with short wetting time, contained sodium alginate, calcium sulfate, food flavoring and filler.

An impression made of «Beloprint» material accurately reproduces the relief of oral cavity soft and hard tissues, possesses high elasticity and strength.

Optimal compatibility with plaster provides solid smooth surface of plaster model with clear reproduction of details.

It contains no preservatives and disinfectants, does not irritate oral cavity tissues.

ALGINATE IMPRESSION MATERIAL WITH INDICATION OF WORKING PHASES BELOPRINT – CHROMATIC



PACKAGING

Powder	450 g
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ANALOGUES FOR USE

«Elastic Cromo» - «Spofa Dental», Czech Republic
«Phase Plus» - «Zhermack», Italy

PURPOSE

Making impressions in prosthetics and orthodontics.

FEATURES

«Beloprint»-chromatic is a non-dusting powder with short wetting time, contained sodium alginate, calcium sulfate, filler, structuring indicator, food flavoring.

Introduction of the indicator into the composition allows you to control visually separate stages of material structuring, which facilitates the work of a dentist and minimizes the exposure time of the impression material in patient's oral cavity.

Stages indication of material structuring:

- **violet color** - mixing stage;
- **lilac color** - filling an impression tray
- **pale-blue color** - insertion into patient's oral cavity

LIQUID FOR INCREASING WORKING TIME BELOPRINT – TIME



PACKAGING

Liquid	30 ml
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ANALOGUES FOR USE

«Personal Krono» - «Lascod», Italy

PURPOSE

Increasing working time of alginate impression materials «Beloprint» series («Beloprint», «Beloprint»-chromatic).

FEATURES

Liquid «Beloprint»-time contains a component that slows down the beginning of alginate material structuring, while its physical properties (strength, elasticity) remain unchanged. «Beloprint»-time does not affect the minimum duration of stay of the material in oral cavity.

Liquid «Beloprint» is used in those cases when it is necessary to extend the working hours of alginate impression material, for example, in summer, when working with children.

«Beloprint»-time has no taste and smell, is biologically compatible and causes no allergic reactions in patients.

IMPRESSION SILICONE MATERIAL OF CONDENSING TYPE BELAST

PURPOSE

HIGH-VISCOSITY (type 0-hard and type 1-soft) is used for obtaining primary basic impression using a single-layer and double-layer technology in manufacture of modern types of prostheses. For bite registration «Belast» should be used independently.

LOW-VISCOSITY (type 3) is used for obtaining a secondary detailed impression using a two-layer technology in manufacture of modern types of prostheses, as well as for obtaining a functional impression of a toothless jaw in an individual moulding spoon and for determining borders of a prosthetic field of a full removable denture.

MEDIUM-VISCOSITY (type 2) is used for obtaining impressions in cases of dentition partial defects with high tooth mobility, with periodontal disease, in the presence of undercuts, with jaw bones fractures, as well as in manufacture of prostheses and orthodontic appliances for children.

CATALYST is used for hardening (vulcanization) of «Belast» condensing type silicone impression materials (high-viscosity, medium-viscosity, low-viscosity).

FEATURES

«Belast» **HIGH-VISCOSITY, LOW-VISCOSITY, MEDIUM-VISCOSITY** are a filled silicone composition of condensing type of cold vulcanization. The material possesses an optimal initial consistency and sufficient rigidity after hardening (vulcanization), high impression efficiency and elasticity, slight shrinkage.

«Belast» **CATALYST** is a universal gel-type catalyst for condensing silicone materials in obtaining accurate impressions of various hard and soft tissues of a prosthetic field.

By mixing silicone («Belast» **HIGH-VISCOSITY**, «Belast» **MEDIUM-VISCOSITY**, «Belast» **LOW-VISCOSITY**) with the catalyst gel, an elastic vulcanizate is formed. The dosage of the catalyst is made under the attached instructions for use of base material.

Working time and vulcanization time of impression depend on the quantity of catalyst gel. Catalyst quantity increasing and temperature increasing accelerate silicone mass hardening while catalyst quantity decreasing and temperature lowering, slows down it.

WORKING CHARACTERISTICS

Material	Mixing time	Working time	Hardening time
HIGH-VISCOSITY (type 0, type 1)	30 sec	1 min 30 sec	3 min
LOW-VISCOSITY (type 2)	30 sec	1 min 30 sec	3-4 min
MEDIUM-VISCOSITY (type 3)	30 sec	2 min	4-5 min



PACKAGING

HIGH-VISCOSITY (type 0-hard)	Paste	910 ml / 1.5 kg
HIGH-VISCOSITY (type 1-soft)	Paste	910 ml / 1.5 kg
LOW-VISCOSITY (type 3)	Paste	140 ml
MEDIUM-VISCOSITY (type 2)	Paste	130 g (80 ml)
CATALYST universal	Gel	60 ml

Available as a set and separate items.

ANALOGUES FOR USE

«Zetaplus» - «Zhermack», Germany
«Speedex» - «Coltene whaledent», Switzerland
«Stomaflex» - «Spofa Dental», Czech Republic

IMPRESSION THERMOPLASTIC DENTAL MASS MASSTER

PURPOSE

- making of preliminary impressions and custom tray;
- receiving impressions in manufacture of inlays and crowns;
- obtaining functional and compression impressions in manufacture of complete removable dentures.

FEATURES

«Masster» impression thermoplastic dental mass is a non-toxic polymer (polycaprolactone) with a melting point of about 65 °C.



PACKAGING

Plates	200 g
Granules	200 g
Sticks	70 g

ANALOGUES FOR USE
«Stens-03» - «Stoma», Ukraine

SET OF GELS FOR TREATMENT AND REPAIR OF ORTHOPEDIC CONSTRUCTIONS

CERAMGEL



PACKAGING

Gel №1	5 ml
Gel №2	5 ml
Set	
Gel №1	5 ml
Gel №2	5 ml
Primer-adhesive	5 ml
Opaker	3 g
Paste UD («DentLight» universal)	4.5 g
Composite paste A ₂	4.5 g
Gel for enamel etching	5 ml

ANALOGUES FOR USE

«Ultradent Porcelain Etch&silane», «EtchArrest» - «Ultradent», USA

FEATURES

Gel №1 is based on hydrofluoric acid (HF), which easily etches ceramics and glass.

Gel №2 is based on a solution of sodium bicarbonate, neutralizing acid action.

Gel for enamel etching is based on 37% phosphoric acid.

Primer-adhesive contains oligoestermethacrylate, solvent, photoinitiators and stabilizers. Primer-adhesive forms a thin, strong bonding layer on the surface of ceramics and metal, providing strong adhesion, and allows further restoration with any appropriate composite materials.

The base of **opaquer** is an organic multifunctional binder filled with inorganic oxides and pigments.

The base of **microhybrid composite «DentLight» universal** is:

- high strength polymer matrix containing Bis-GMA, UDMA, TEGDMA and other oligomers;
- radiopaque nanno-filler (80-85 wt.% or 62-65 vol.%), which is a combination of modified barium-boron-aluminosilicate clusters (0.1-3 µm) and nano-sized silicon dioxide (5-75 nm), which allows achieving optimal results in a combination of manufacturability, strength and aesthetics of the material.

«Ceramgel» is produced as:

- set of gels (№1 and №2);
- set of products (gel №1, gel №2, gel for etching enamel, primer-adhesive, opaquer, microhybrid composite UD and microhybrid composite one of the colors A₁, A₂, A₃, A_{3,5}, B₂, C₂).

PURPOSE

Gel №1 is used for etching ceramics during repair or fixation of ceramic restorations both directly in the mouth and in laboratory.

Gel №2 is used for protection of soft and hard tissues of oral cavity, as well as adjacent restorations from effect of gel №1 or gels for etching hard tooth tissues.

Gel for enamel etching is used for tooth enamel and dentine etching, as well as for metal surface etching.

Primer-adhesive is used for creation of a strong connection of a composite material with ceramics and metal in repair of ceramic and porcelain fused metal products.

Opaker is used for masking metal surface and imitating natural dentin color.

Microhybrid composite «Dentlight» universal is used for ceramics chipping restoration.



PACKAGING

Set	
Basic paste A ₂ , A ₃ , B ₂ (2 pc of each color)	3.5 g x 6 pcs
Catalytic paste	3.5 g x 6 pcs
Basic paste one of the colors (A ₂ , A ₃ , A _{3,5} , B ₂ , C ₂)	3.5 g
Catalytic paste	3.5 g
Automix	
Basic paste one of the colors (A ₂ , A ₃ , A _{3,5} , B ₂ , C ₂)	6 g
Catalytic paste	6 g
15 mixer, 30 nozzle	

ANALOGUES FOR USE

«Access Crown» - «Centrix», USA

«Pro-Crown» - «WD Dental», Germany

COMPOSITE MATERIAL

TEMPOCOR

PURPOSE

Making of temporary crowns, bridges, inlays, onlays and other dental prostheses.

FEATURES

«Tempocor» is a polymer composite material based on multifunctional methacrylates, available in the form of two pastes (basic and catalytic) of different colors according to VITA scale (A₂, A₃, A_{3,5}, B₂, C₂). The composite cement obtained by mixing equal amounts of pastes cures in a short time with formation of durable material.

The material is easy to use:

0:00-0:45 min - filling with the material and allocation of it into oral cavity;

0:45-3:00 min - curing and removal from oral cavity;

7:00-9:00 min - complete curing and final treating..

- Used for long-term temporary prosthetics;
- High fracture strength;
- Excellent polishability, high color stability;
- Resistant to abrasion;
- Perfect marginal seal;
- Emits no monomers and does not overheat teeth;
- Structure shape is easily adjusted by the liquid composite.

DENTAL SET FOR MOBILE TEETH FIXATION ARMOSPLINT

PURPOSE

- over- and in-crown fixation (splinting) of movable teeth;
- tooth retention to consolidate orthodontic treatment;
- tooth immobilization in case of traumatic dislocation or subluxation;
- defects dentition replacement by direct method;
- making of adhesive prostheses and splinting constructions by indirect method (in dental laboratory);
- restoration of tooth crown part.

FEATURES

The composition of «**Armosplint**» set includes fiberglass, liquid for fiberglass wetting, liquid composite «**DentLight**»-flow, adhesive system «**Belabond**».

Fiberglass «**Armosplint**» is a strip or cord of special high-module weaving.



PACKAGING

Fiberglass reinforcing:	
strip (90 x 2 x 0.25 mm)	1 pc
strip (90 x 3 x 0.25 mm)	1 pc
cord (90 x 1.0 mm)	1 pc
cord (90 x 1.5 mm)	1 pc
Liquid for wetting	5.0 ml
Primer	5.0 ml
Adhesive	5.0 ml
Liquid composite	2.0 g
Etching gel on organic base	1.0 ml

Available as a set and a separate item.

ANALOGUES FOR USE
 «J-Fiber» - «Jen Dental», USA
 «Construct» - «Kerr», USA
 «GlasSpan» - «GlasSpan», USA

Fiberglass «**Armosplint**» possesses many specific properties:

- due to its flexibility, it adapts well to the irregularity of tooth surface;
- can be used in combination with any liquid composite;
- able to be polished at accidental exposure from composite thickness;
- moisture resistant;
- possesses the same transparency as a composite, which avoids problems with color imitation during restoration (breaks no aesthetic properties of a composite), in some cases it can perform as an opaquer;
- requires no special storage conditions, work in special gloves and use of any special tools;
- can be cut with ordinary sharp scissors, it is not untwined;
- measured using a measuring probe or soft aluminum foil applied to prospective tire;
- it is soaked well with a special liquid for wetting, which allows achieving a strong connection of fiberglass with a composite.

«**DentLight**»-flow fluid composite is a low-viscosity light-curing paste of different colors according to VITA scale (A_2 , A_3 , $A_{3.5}$, B_2 , C_2 , OA_3 , half-transparent/cutting edge) based on polymer binder and a modified fine-dispersed filler. With its optimal flowability, the composite can easily adapt to the cavity walls. The fluid composite «**DentLight**»-flow is compatible with all light-cured composites and compomers which makes it universal in cases of the necessary combination of materials. The fluid composite is applied after applying adhesive system.

Adhesive system «Belabond» consists of primer and adhesive, designed to create a strong connection of the composite with tooth tissues. The primer completely wets dentin surface and easily penetrates dentinal tubules due to multifunctional hydrophilic oligomers. The adhesive, along with hydrophilic molecules, contains polymerizable resins that provide a chemical bond with the composite.

The manufacturing and fixation technology of fiberglass adhesive structures has its advantages, such as:

- fast and simple technique;
- sparing preparation of hard tooth tissues;
- construction aesthetics (full imitation of natural tooth tissues color) due to fiberglass transparency;
- the formation of strong structure of adhesive construction due to micromechanical retention and chemical adhesion of reinforcing strip to a composite material;
- the possibility of repairing and manufacturing construction in oral cavity in one visit.



PACKAGING

Set

Basic paste	
one of the colors (A_2 , A_3 , $A_{3.5}$, B_2 , C_2)	3.5 g
Catalytic paste	3.5 g
Primer	5 ml
Adhesive	5 ml
Silan	5 ml
Gel for etching enamel	5 ml

Basic paste A_2	6 g
Catalytic paste A_3	6 g

Automix

Basic paste A_2	6 g
Catalytic paste A_3	6 g

15 mixer, 30 nozzle

ANALOGUES FOR USE

«Nexus2» - «Kerrhawe», Switzerland
 «Calibra» - «Dentsply», USA
 «Twinlook Cement» - «Heraeus Kulser», Germany
 «PanaviaF» - «Kuraray», Japan

DUAL-CURED COMPOSITE CEMENT COMPOFIX

PURPOSE

Is used for fixing of:

- metal and porcelain fused metal crowns and prosthetic bridges;
- stump inlays made of metal alloys, ceramics and composites;
- veneers made of ceramics, porcelain, composites.

FEATURES

«CompoFix» cement consists of methacrylate oligomers, inorganic fine-dispersed filler, chemical and light-cured activators and stabilizers.

«CompoFix» material is a double-cured composite material (chemical and light), available in the form of two pastes (basic and catalytic) of different colors (A_2 , A_3 , $A_{3.5}$, B_2 , C_2 according to VITA scale).

Obtained by mixing equal amounts of pastes, composite cement cures in a short time with the formation of a durable material with adhesion to hard tooth tissues and surfaces of various orthopedic constructions, possesses optimal hardness and compressive strength, low solubility and erosion resistance, fluoride release.



PACKAGING

Powder	30 g / 80 g / 200 g
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ANALOGUES FOR USE

Orthofix S: «Aqua Meron» - «VOCO», Germany; «Megafix» - «Megadenta», Germany
 Orthofix P: «Aqualox» - «VOCO», Germany; «Carbochem» - «PSP», England
 Orthofix K: «Oxydentin» - «Chema», Poland;

FEATURES

«Orthofix-Aqua» **GLASS-IONOMER** is a mechanical mixture of aluminofluorosilicate glass and dry polyacrylic acid. Glass ionomer cement powder mixes easily with water until the required consistency is obtained. Glass ionomer reaction starts immediately after mixing.

The material possesses good adhesion to enamel and dentine, low solubility, high mechanical strength. It prevents secondary caries development due to gradual fluorine ions release.

«Orthofix-Aqua» **POLYCARBOXYLATE** cement is a mechanical mixture of modified zinc oxide and dry polyacrylic acid. «Orthofix-Aqua» polycarboxylate cement possesses good adhesion to dentine, enamel and to major structural dental materials. It also features low solubility and shrinkage, high stability. «Orthofix-Aqua» polycarboxylate cement powder is easily mixed with water until the required consistency is obtained. It causes no pain senses when fixing crowns and prosthetic bridges.

«Orthofix-Aqua» **CALCIUM CONTAINING** cement is obtained by mixing calcium containing powder with distilled water. Применение цемента The application of «Orthofix-Aqua» cement for temporary fixation facilitates the adaptation of a patient to new orthodontic dentures in the oral cavity. The material is also used in aesthetic purposes for temporary crowns fixation for the period of manufacturing permanent ones. Adhesion properties of cement allow painless removal of temporary crowns.

DENTAL CEMENTS FOR ORTHOPEDICS ORTOFIX-AQUA

PURPOSE

«Orthofix-Aqua» system of dental water-hardening cements has been developed to improve the quality of orthopedic treatment of patients using non-removable dentures, to increase the crowns and dental bridges terms of use, combining:

- glass ionomer cement;
- polycarboxylate cement;
- calcium-containing cement for temporary fixation.

«Orthofix-Aqua» cements are used for permanent (S and P) and temporary fixation (K) of crowns, inlays, pins, prosthetic bridges, orthopedic and orthodontic constructions.

MATERIAL FOR TEMPORARY FIXATION OF PROSTHESES

PECTAFIX

«Pectafix» material is available as:

- **periodontal gel;**
- **powder;**
- **cream (gel).**

PURPOSE

PERIODONTAL GEL is used for the treatment of inflammatory processes and oral mucosa damage, including those arising in the process of adaptation and wearing removable dentures.

POWDER is used for fixing removable dentures of the upper and lower jaw, especially with high sensitivity of the mucosa oral cavity, which complicates dentures wearing. It is recommended for application when using new prostheses that cause pain.

CREAM (gel) is used for fixation removable dentures within 8-12 hours. When applying on the prosthesis, the cream acts as a pad, providing a soothing effect on painful areas of the mucosa.



PACKAGING

Periodontal gel	10 g
Powder	40 g
Cream (gel)	60 g

ANALOGUES FOR USE

«Calcident» - «Spofa Dental», Czech Republic
 «Protefix» - «Queisser Pharma», Germany
 «COREGA» - «Stafford-Miller», Ireland

FEATURES

«Pectafix» gum **gel** contains a highly purified corn seed germ extract, vitamins A and E, essential oils. Natural plant-based components of the gel create a protective film on the affected gums area or mucosa, which holds on a damp surface well. It prevents the penetration of pathogenic microorganisms into wound surface, which significantly accelerates affected area healing. The gel effectively relieves edema and inflammation, has a quick analgesic action, improves microcirculation in periodontal tissues, does not violate natural composition of the oral mucosa microflora, and is easily tolerated with prolonged use.

The gel contains no ethanol and lidocaine.

The composition of the **powder** includes sodium alginate and pectin-natural polysaccharides that have good adhesion to the mucosa, providing reduction in painful and inconvenient senses when wearing removable dentures.

Specially selected adhesive components of «Pectafix» material retain the composition integrity during prolonged sorption of moisture, so «Pectafix» cream (gel) has the following properties:

- provides tight and strong fit to the gum;
- firmly fixes a prosthesis throughout the day;
- protects the space under dentures from entering food particles during eating;
- prevents chafing and gum disease;
- easily removed from a prosthesis.

MATERIAL FOR TEMPORARY FIXATION OF REMOVABLE ORTHOPEDIC CONSTRUCTIONS

TEMPOFIX



PACKAGING

«Eugenol-free»

Basic paste	50 g
Catalytic paste	15 g

«Eugenol»

Basic paste	45 g
Catalytic paste	15 g

ANALOGUES FOR USE

«Temp Advantage Tubs» - «GC», USA

«Temp Bond Ne» - «Kerr», USA

«Dentafix Dental Cement» - «VOCO», Germany

«Relyx» - «3M Espe», Germany

FEATURES

«Tempofix» eugenol-free is a two-component (paste-paste) eugenol-free material. The basic (white) paste contains zinc oxide, paste-forming and modifying additives, the catalytic (brown) paste contains natural resins, organic acids and an activator.

«Tempofix» eugenol-free is recommended for use in patients with allergic reactions to eugenol.

«Tempofix» eugenol is a two-component (paste-paste) material. The basic (white) paste contains zinc oxide, paste-forming and modifying additives, the catalytic (brown) paste contains eugenol, paste-forming and activator.

Application of «Tempofix» eugenol dental material does not influence the quality of the subsequent fixation or restoration using composite materials.

«Tempofix» material is available in two forms:

- **paste;**
- **liquid.**

PASTE

PURPOSE

- fixation of temporary crowns for the period of manufacturing of permanent crowns and prosthetic bridges;
- temporary fixation of permanent non-removable dentures for adaptation in oral cavity;
- temporary filling material for covering of medicaments;
- temporary isolating lining material for treatment of deep caries and delayed or multi-stage treatment of periodontitis..

«Tempofix» material is produced:

- **Eugenol-free**
(basic paste/catalytic paste);
- **Eugenol**
(basic paste/catalytic paste).



LIQUID

PURPOSE

Softening and dissolution of temporary fixation cement based on zinc oxide (for example, «Tempofix» eugenol, «Tempofix» eugenol-free, «Orthofix-Aqua»-K).

FEATURES

The liquid consists of potassium hydroxide, non-ionic surfactant, emulsion stabilizer and water.

«Tempofix» liquid softens and dissolves temporary cement layer, facilitates the preparation of an orthopedic construction for permanent fixation.

PACKAGING

Liquid	125 ml / 900 ml
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TWO-COMPONENT GLASS-IONOMER CEMENT CEMION – F

PURPOSE

Fixing crowns, bridges and orthodontic constructions, fixing inserts and pins.

FEATURES

«Cemion»-F cement is formed by mixing powder and liquid. The powder is a fined aluminofluorosilicate glass, the liquid is a water solution of polyacrylic acid.

«Cemion»-F is radiopaque, has high mechanical strength, low solubility, good adhesion to enamel, dentin and basic structural dental materials. The cement provides good marginal seal, long fluoride release, which strengthens hard tooth tissues and prevents secondary caries development.

«Cemion»-F cement causes no pain senses when fixing crowns and prosthetic bridges.



PACKAGING

Powder	20 g
Liquid	15 ml
Conditioner	10 ml

ANALOGUES FOR USE

«Ketac Cem» - «3M Espe», Germany
«Meron» - «VOCO», Germany
«Fuji I» - «GC», Germany

SET OF LIQUIDS FOR PROCESSING DENTAL IMPRESSIONS ORTHOSOL

ORTHOSOL –CLEANS

PURPOSE

Cleaning dental instruments of alginate and gypsum impression masses (concentrate).

FEATURES

«Orthosol»-Cleans (concentrate) provides high-quality cleaning due to the component that forms water-soluble complexes with calcium ions and other divalent ions.



PACKAGING

Liquid	125 / 500 ml
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SET OF LIQUIDS FOR PROCESSING DENTAL IMPRESSIONS ORTHOSOL



PACKAGING

Liquid	1 l
Liquid-spray	500 ml

ANALOGUES FOR USE

«Algina spray» - «Pierre Rolland», France



PACKAGING

Liquid	125 / 500 ml
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ANALOGUES FOR USE

«Protefix» - «Queisser Pharma», Germany
«Corega» - «Block Drug Company Inc.», Germany

ORTHOSOL -IMPRES

PURPOSE

Preserving impressions quality made of alginate materials (delays dehydration and protects from dimensional deformations).

FEATURES

«Orthosol»-Impres contains a film-forming agent in easily evaporating filler, maintains the quality of impressions made of alginate materials, which makes it possible to delay plaster cast molding up to 3 days. It also allows molding a plaster model and a duplicate using one alginate impression. When storing impressions from alginate materials, significant volumetric changes occur as a result of water loss and the phenomenon of syneresis. «Orthosol»-Impres delays dehydration and protects impressions made of all types of alginate materials from dimensional deformations. The processed impression can be stored in a tightly closed package for three days.

ORTHOSOL -DENT

PURPOSE

- cleaning removable dentures from bacterial plaque, food debris or fixing materials;
- prostheses storage (concentrate);
- removal of bacterial plaque and stains from a construction;
- prevention of oral cavity inflammatory diseases in people using removable dentures;
- providing oral cleanliness and fresh breath.

FEATURES

«Orthosol»-Dent liquid (concentrate) contains a cationic quaternary-ammonium compound that determines the microbicidal and microbostatic effect of the concentrate, sorbic acid salt, which has a fungistatic effect. Fragrance creates a feeling of freshness in a mouth by wearing dentures.

DISINFECTANT MEGADEZ – ORTHO

PURPOSE

Disinfection of dental impressions made of alginate, silicone materials, polyester resin, dentoprosthetic blanks made of ceramics, metals, plastics, corrosion-resistant articulators, impression tray.

FEATURES

The active ingredients of the material are propanol-1 - 30%, propanol-2 - 35%, N,N-didecyl-N methylpoly(hydroxyethyl)ammonium propionate - 0.39%, dodecyldipropylene triamine - 0.30%. Also, the product includes flavoring, stain and water.

The material has antimicrobial activity against gram-negative and gram-positive bacteria including tuberculosis pathogens (tested for Mycobacterium terrae), pathogenic fungi (candidiasis pathogens) and viruses (pathogens of parenteral hepatitis B, C, D, HIV infection, influenza, including type A H5NI, H1NI, herpes, cytomegaly).



PACKAGING

Liquid-spray	500 ml
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ANALOGUES FOR USE

«PrintoSept - ID» - «Alpro Medical GMBH», Germany;
«Impressiv» - «Alkapharm UK Limited», England



BASE RESINS

- BELACRYL
- BELFLEX
- NOLATEK

DENTAL WAXES

- BELOWAX
 - BASIC
 - STICKY
 - CHECK BITES
 - MOLDING
 - MODELLING
 - IMMERSION
 - ORTHODONTIC
 - BELOWAX-L

MATERIALS FOR PROCESSING AND POLISHING MATERIALS

- BELECT
- POLISET

MATERIALS FOR MAKING DENTAL PROSTHESIS

- OTBEL
- ESTCER
- ULTROPALINE

MOLDING MATERIAL

- BELOFORM

SEPARATING VARNISH

- ISALGIN
- ISOSPRAY

SOLDERS AND ALLOYS

- SILVER WIRE SOLDER
- FUSIBLE ALLOY

ATTENDANT MATERIALS

- BELOLIT
- CHEMICAL REAGENT SET
- COMPELAK
- COMPELAK-S
- SAND FOR POWDERING

CERAMIC CRUCIBLES

POLYMER MATERIAL FOR DENTURE BASES

BELACRYL®



Polymer material for denture bases is available as:

- BELACRYL - **M** (methyl methacrylate) - **precursor** resin;
- BELACRYL - **E** (ethyl methacrylate) - **non-precursor** resin.

PURPOSE

HC is a hot curing base material for bases manufacturing of removable dentures (full and partial).

SC is a self-curing base material for repair and rebase of removable dentures, as well as for manufacturing and repair of orthodontic and orthopedic devices and constructions.

PACKAGING

«Belacryl»-M HC / SC

Liquid 150 ml / 1 l

«Belacryl»-M HC

Resin one of the colors:

(colorless, veined transparent pink,
veined translucent pink,
veined opaque pink)

Powder 300 g

Liquid 150 g

«Belacryl»-M SC

Resin

(veined translucent pink)

Powder 160 g

Liquid 100 g

Separate varnish 50 g

Powder

300 g

«Belacryl»-E HC / SC

Liquid 150 ml / 1 l

«Belacryl»-E HC

Resin one of the colors:

(colorless, veined transparent pink,
veined translucent pink,
veined opaque pink)

Powder 300 g

Liquid 150 g

«Belacryl»-E HC

Resin

(veined translucent pink)

Powder 160 g

Liquid 100 g

Separate varnish 50 g

Powder

300 g

Available as seat and as separate items.

FEATURES

Denture base materials «Belacryl» are produced as two components - a **powder** containing polyesters of methacrylic acid and a catalyst of the polymerization reaction, benzoyl peroxide, and a **liquid** containing methylmethacrylate monomer (**M**) and/or ethylmethacrylate monomer (**E**). After mixing the components, the polymer is formed, curing under heating (heat-curing) - **HC** or without heating (self-curing) - **SC**.

Denture base materials «Belacryl» feature high technology, simplicity and speed of manufacturing products possessing high quality, functional durability, natural appearance and biocompatibility.

Resin made of «Belacryl» base material has a smooth, hard, shiny, colorless or uniformly colored surface pink color (veined or unveined), characterized by good polishability, high color stability and absence of pores. Resin is non-toxic, biologically inert to oral tissues, has low water absorption and water solubility.

Base materials «Belacryl» are available in four colors:

- **colorless** unveined resin;
- **transparent pink** resin (veined or unveined);
- **translucent pink** resin (veined or unveined);
- **opaque pink** resin (veined or unveined).

It is recommended to use colorless resin, especially in cases of prostheses manufacturing for patients with individual intolerance to pigments contained in the denture base materials. Transparent and translucent pink resin is best suited for manufacturing of full removable dentures, and opaque pink resin is suitable for manufacturing a base of an arch denture.



ANALOGUES FOR USE

«Ftorax» - «Stoma», Ukraine

«Protacryl» - «Stoma», Ukraine

«Vertex Rapid Simplified» - «Vertex», Netherlands

«Vertex Self-curing» - «Vertex», Netherlands

POLYMER MATERIAL FOR ORTHODONTIC DEVICES MANUFACTURING

BELACRYL®**BELACRYL® -M SC R****PURPOSE**

Manufacturing of orthodontic devices (colorless or stained), orthopedic constructions (colorless or stained), as well as for repair and rebase of removable dentures, including colorless resin for denture bases.

The powder and liquid are mixed in a vessel to make molding material.

FEATURES

«Belacryl»-M SC R material is produced as two components - a powder containing polyesters of methacrylic acid and a catalyst of the polymerization reaction, benzoyl peroxide, and a liquid containing methylmethacrylate monomer after mixing which a polymer is formed. If necessary, the polymer can be colored in blue, red or yellow using blue, red and yellow colorant concentrates. Denture base materials «Belacryl»-M SC R feature high technology, simplicity and speed of manufacturing products possessing high quality, functional durability, original appearance and biocompatibility.

Resin made of «Belacryl»-M SC R base material has a smooth, hard, shiny, uncolored or colored in blue, red, yellow surface, characterized by good polishability, high color stability and absence of pores. Resin is non-toxic, biologically inert to oral tissues, has low water absorption and water solubility.

**PACKAGING**

Powder	150 g
Liquid	100 g
Concentrate	
(blue, red, yellow)	15 g x 3 pcs

ANALOGUES FOR USE
«Redont-colir» - «Stoma», Ukraine

BELACRYL® -M SC ORTHO**PURPOSE**

Manufacturing and repair of orthodontic devices and constructions by pouring powder onto a plaster model.

FEATURES

«Belacryl»-M SC Ortho material is produced as two components - a powder containing polyesters of methacrylic acid and a catalyst of the polymerization reaction, benzoyl peroxide, and a liquid containing methylmethacrylate monomer after mixing which a polymer is formed. If necessary, the polymer can be colored in blue, red or yellow using blue, red and yellow colorant concentrates.

Denture base materials «Belacryl»-M SC Ortho feature high technology, simplicity and speed of manufacturing products possessing high quality, functional durability, original appearance and biocompatibility.

Resin made of «Belacryl»-M SC Ortho base material has a smooth, hard, shiny, uncolored or colored in blue, red or yellow surface, characterized by good polishability, high color stability and absence of pores. Resin is non-toxic, biologically inert to oral tissues, has low water absorption and water solubility.

**PACKAGING**

Powder	500 g
Liquid	250 ml
Concentrate	
(blue, red, yellow)	12 ml x 3 pcs

ANALOGUES FOR USE
«Villacryl Ortho» - «Zhermapol», Poland



PACKAGING

Liquid	25 g
Set	
Liquid	16 g
Powder:	
Pink	3 g
A (on VITA scale)	6 g
B (on VITA scale)	6 g
C,D (on VITA scale)	6 g

ANALOGUES FOR USE

«Conalor» - «Spofa Dental», Czech Republic

UNIVERSAL OPAQUE COLORANT BELACRYL®-E HC COLOR

PURPOSE

Coloring of resin facets on metal constructions of non-removable dentures, base resins, toning and coloring of resin crowns, imitation of tooth enamel cosmetic defects.

FEATURES

«Belacryl»-E HC Color material is produced as two components - a powder containing methacrylic acid polyesters, fillers and pigments, and a liquid containing triethyleneglycol dimethacrylic ester.

To obtain the finished product, the components of the colorant are mixed, applied to the prepared metal surface and heated.

The colorant, cured on a metal surface, eliminates its transparency through the facing resin due to its opacity. The covering made of colorant can be colored in pink or a color corresponding to VITA scale, and provides a high degree of adhesion to metal and facing resin.



PACKAGING

Granules	100 g / 1.0 g
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ANALOGUES FOR USE

«Evidsun Dent» - «Evident plus», Russia;
«Flexite Supreme» - «Flexite», USA

THERMOPLASTIC BASE MATERIAL BELFLEX

PURPOSE

Manufacturing of full and partial bases of removable dentures.

FEATURES

Denture base material «Belflex» is based on polyamide, and produced in the form of granules or cylindrical blanks, that can be uncolored or colored in pink (veined or unveined). Denture bases made of «Belflex» base material feature by low molding shrinkage, good polishability, low water absorption and water solubility, high hardness.

The main feature of prostheses made from «Belflex» base material is the ability to operate without noticeable formation of plaque on their surface, which requires a systematic cleaning of dentures.

Resin made of base material «Belflex» is non-toxic, biologically inert to oral tissues.

LIGHT-CURED BASE MATERIAL NOLATEK

PURPOSE

- manufacturing of full and partial bases of removable dentures;
- manufacturing and repair of orthopedic devices and constructions (temporary crowns, prosthetic bridges, mouth guards, chin cups, baseplate tray);
- rebase and repair (including express repair) of bases of removable dentures.

FEATURES

«Nolatek» base material is made on the base of polyesters copolymers of methacrylic and dimethacrylic acids, modified with a composite, and refers to **light-cured resins**.

The material is a homogeneous plastic polymer mass of various consistencies (high viscosity, medium viscosity).

Light-cured POLYMER MASS «Nolatek» is produced in pink, corresponding to the natural color of the gum tissue and colors on VITA scale, one-component in the form of a homogeneous plasticine-like mass. Also, the polymer mass can be formed in plates. The material is used to form the bases of dentures.

FLOWABLE light-cured polymer mass «Nolatek» is used to form gingival margin, gingival papillae, orthopedic and orthodontic constructions repair. It can be used for manufacturing of full removable dentures.

Polymer mass for rebase available in syringes (4 g) in colors according to VITA scale (A_2 , A_3 , $A_{3.5}$) and can be used both for rebase and for manufacturing of temporary crowns. To create a strong adhesive connection of prosthesis base with artificial acrylic teeth, **light-cured ADHESIVE** «Nolatek» is used.

Light-cured FINISHING VARNISH (glaze) «Nolatek» is used for coating complete constructions, at that, it is unnecessary to polish the construction. Also, the varnish closes the pores.

«Nolatek» base material should be polymerized only in devices designed for laboratory purposes, with a wavelength of 360-500 nm. An exception is the flowable mass of «Nolatek» base material (small fragments), which is polymerized by a device designed for the polymerization of filling materials with a luminous flux power of at least 600 mW/cm² and a wavelength of 475 nm.

«Nolatek» base material contains no **METHYL-METHACRYLATE**, non-toxic and bioinert.



PACKAGING

Starter set	
Basic paste pink	150 g
Flowable mass	10 g
Adhesive	5 ml
Finishing varnish «Aksil LC»	5 ml
Separating varnish «Isalgin»	5 ml
Paste opaquer	2 g
Set	
Polymer mass	300 g
Flowable mass	10 g x 2 pcs
Polymer mass for rebase	
(one of the colors on VITA scale)	5 ml
Adhesive	5 ml
Finishing varnish «Aksil LC»	5 ml
Separating varnish «Isalgin»	5 ml
Paste opaquer	2 g
Paste	150 g / 300 g
Plates	20 g x 10 pcs
Paste (of the colors A_2 , A_3 , $A_{3.5}$, B_2 , C_2)	4 g
Flowable paste	
(light-pink, transparent)	10 g x 2 pcs
<i>Available as set and as separate items.</i>	

NOLATEK-ORTHO

PURPOSE

- constructive bite registration;
- mouth guards manufacturing;
- orthodontic devices manufacturing.

FEATURES

«Nolatek» base material is made on the base of polyesters copolymers of methacrylic and dimethacrylic acids, modified with a composite, and refers to light-cured resins.

The «Nolatek»-Ortho polymer mass can be manually modeled directly on a plaster model pre-treated with «Isalgin» dental separating varnish (or similar). During the work, the material does not spread out, retains its shape well. The material is polymerized with light with a wavelength from 360 nm to 500 nm. Polymerization time depends on lamp power and ranges from 2 to 10 minutes. In laboratory photopolymerizers, the material is polymerized for 6 minutes alternately on both sides.



PACKAGING

Polymer mass	
(transparent, yellow, red, green, blue)	30 g x 5 pcs
Adhesive	5 ml
Finishing varnish	5 ml

DENTAL WAX BELOWAX



PACKAGING

Plates	500 g / 2.5 kg
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ANALOGUES FOR USE

«CeraDent» - «Spofa Dental», Czech Republic
«Base wax» - «Stoma», Ukraine



PACKAGING

Sticks	50 g (10 pcs)
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ANALOGUES FOR USE

«Modeling wax» - «Stoma», Ukraine,



PACKAGING

Sticks	150 g (10 pcs)
Arches	90 g (6 pcs)

ANALOGUES FOR USE

«CeraDent» - «Spofa Dental», Czech Republic
«Base wax» - «Stoma», Ukraine

BASIC

PURPOSE

Modeling bases of removable dentures, manufacturing bite plates, forming individual impression trays, base trays, as well as their parts.

FEATURES

Basic wax is available in two forms:

- soft;
- hard.

Translucent wax plates without internal stresses in a softened condition easily connect to each other without sticking to fingers.

Wax is easily formed in a heated condition and is processed at room temperature with a sharp instrument. After low heating above the flame, the wax plates have a smooth surface.

By manufacturing prosthesis, the wax is easily removed with boiling water from gypsum molds completely, leaves no residue on porcelain and plastic teeth, and does not color resin of a prosthesis.

Wax has a slight thermal linear expansion and causes no oral tissue irritation.

STICKY

PURPOSE

Bonding parts of metal prostheses when preparing them for soldering, and is also used to repair removable dentures and connect fragments of plaster models.

FEATURES

Sticky wax contains natural and synthetic waxes and rosin, which provides good adhesion to metal and plaster (at least 0.9 MPa).

Dental wax possesses the required strength, has a convenient form for use.

The dropping point is no less than 65°C, the ash content is no more than 0.2%.

In heated condition, sticky wax spreads well and accurately connects prosthetic elements.

CHECK BITES

PURPOSE

Bite registration or determination of occlusal ratios of patient toothless jaws.

FEATURES

Check bites are made of wax composition consisting of paraffin, ceresin, natural resin and modifying additives.

The softening point is 40-45°C.

Check bites are easily formed in a heated condition and processed at room temperature with a sharp instrument.

MOLDING

PURPOSE

Building a gating and feeding system for casting metal parts of dentures.

FEATURES

It is a composition shaped like a thread made of paraffin, ceresin, beeswax, modified with natural resins, which make the thread flexible and pliable at a temperature of 20-30°C.

Due to its flexibility, the wax thread can easily be brought to the model sections at any angle without heating. The thread reliably connects with wax elements, when filling and firing, it does not react with molding resins, is smelted easily, and burns without residue. At the place of wax thread after smelting the wax from the mold, molding channels are obtained.

«Belowax» wax thread is produced in various type of hardness for operation at a wide temperature range:

- **super-soft** – yellow;
- **soft** – blue;
- **hard** – green;
- **super-hard** – red.

Due to their high plasticity, soft and super-soft threads are used to edging functionally formed edges on impressions before obtaining a plaster model.



PACKAGING

Molding wax of each type of hardness is available in two forms:

Set of sticks:

Ø - 2.0; 3.0; 5.0; 8.0 mm 150 g / 200 g

Wax thread on a spool:

Ø - 1.0; 1.5; 2.0; 2.5; 3.0; 3.5; 4.0; 4.0; 5.0 mm 100 g / 250 g

ANALOGUES FOR USE
«Voskolite» - «Stoma», Ukraine,

MODELLING

PURPOSE

Manufacturing of inlays, crowns, inserts, molded clammers, portion crowns, arches and frameworks of clasp and bridge prostheses by investment casting.

FEATURES

The main components are paraffin, ceresin, natural and synthetic resins, modifiers and colorants. Wax has good plastic properties (fluidity under load in the temperature range 37-45°C), has low heat shrinkage, is easily modeled by dental tools, does not change its properties with repeated melting down. When burning out, the ash content of the modeling wax does not exceed 0.02%.

Wax is produced in different fluidity:

- **red** wax has high fluidity, and is intended for modeling cervical part of crowns;
- **blue** wax is medium fluidity, used for modeling intermediate part of the frame of a non-removable prosthesis;
- **green** wax is low fluidity, used when modeling the supporting elements of a whole piece non-removable prosthesis.



PACKAGING

Set:

Sticks of different colors
(red, blue, green)

55 g

Separate item one of the colors

55 g

ANALOGUES FOR USE
«Modeling wax» - «Stoma», Ukraine,

DENTAL WAX BELOWAX



PACKAGING

Truncated cone	150 g
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ANALOGUES FOR USE

«Wax immersion» - «Stoma», Ukraine

IMMERSION

PURPOSE

Manufacturing wax caps with even walls thickness by immersion method.

FEATURES

«Belowax» immersion wax is a wax composition that allows you to get an elastic wax cap with a wall thickness of 0.35 mm at an immersion duration of 1 second. The temperature of the wax by immersing is 85°C.

The best results are achieved by quickly immersing a die into molten wax and slowly removing it from the bath. After 30 seconds, the wax cap gains sufficient strength, does not deform, which guarantees high accuracy casting.



PACKAGING

Sticks	4 g x 2 pcs
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ANALOGUES FOR USE

«Wax orthodontic» - «Zingardi», Italy

ORTHODONTIC

PURPOSE

Prevents irritation of mucous membrane, which can occur as a result of chafing caused by braces.

FEATURES

It consists of biologically inert natural components (beeswax, plant resin, oil).

For application, the wax is softened with fingers and glued onto the chafing part of braces. Due to the optimum consistency, the wax is held on braces firmly. Specially selected wax color and degree of transparency make it almost invisible.



PACKAGING

Sticks	20 g
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ANALOGUES FOR USE

«Lavax» - «Stoma», Ukraine

BELOWAX L

PURPOSE

Manufacturing of inlays, crowns, inserts, molded clammers, portion crowns by investment casting.

FEATURES

The main components of «Belowax» L modelling wax are paraffin, natural and synthetic resins, modifiers and colorants. Wax has good plastic properties (fluidity under load in the temperature range 37-45°C), has low heat shrinkage, is easily modeled by dental tools. When burning out, the ash content of the modeling wax «Belowax» L does not exceed 0.10 %.

POWDER FOR GRINDING AND POLISHING DENTAL METAL PRODUCTS

BELECT

PURPOSE

- removal of investment material;
- preparation of frames before burning;
- removal of excess ceramic mass;
- processing of cobalt-chromic alloys surface.

FEATURES

«Belect» is a white powder based on electrocorundum with a high content of aluminum oxide (99.5%). The material is inferior in hardness only to diamond and is the most harmless material in the group of electrocorundum.

Grain size	Powder graininess
90-75 µm	graininess №6
106-90 µm	graininess №8
125-106 µm	graininess №10
150-125 µm	graininess №12
300-250 µm	graininess №25
355-300 µm	graininess №32
40-50 µm	graininess №50



PACKAGING

Powder	5 kg
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Scope of use

- removal of investment material, frames preparation and creation of mechanical retention surfaces above firing;
- removal of investment material and oxide film from alloys with a low content of precious metals, processing of frames and creation of mechanical retention surfaces before firing;
- removal of investment material, preparation of frames before firing, removal of excess ceramic material from porcelain fused metal crowns;
- removal of investment material, processing of precious and non-precious alloys surface, preparation of frames before firing;
- removal of investment material, processing of chrome-cobalt alloys surface, preparation of frameworks made of non-precious alloys before firing;
- removal of investment material, excess ceramics from porcelain fused metal crowns, oxide film from frames made of precious alloys, ceramic processing before glazing.

MATERIAL FOR POLISHING DENTAL PRODUCTS

POLISSET

PASTE

PURPOSE

Paste №1 is used for products mirror polishing made of stainless steel, copper, nickel, and chrome-cobalt alloys;

Paste №2 is used for products mirror polishing made of resin;

Paste №3 is used for products mirror polishing made of ceramics and resin.

Paste №4 is used for products polishing made of resin used in dentistry.

FEATURES

«Polysset» pastes contain various abrasives, surfactants and binders.

«Polysset № 4» paste on a water-soluble base contains abrasives of various nature, providing effective polishing of resin without formation of scratches on products.



PACKAGING

Paste № 1, 2, 3	100 g
Paste № 4	400 g

ANALOGUES FOR USE

«Tigerbrillant polishing paste» - «Dentaurum», Germany
«Saphir» - «Renfert», Germany



PACKAGING

Powder	2 kg /4 kg
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ANALOGUES FOR USE

«Cincerely» - «Dentaurum», Germany
«Shuel-Dental» - «Spofa Dental», Czech Republic

LIQUID FOR BLEACHING STAINLESS STEEL PRODUCTS

OTBEL



PURPOSE AND FEATURES

Removal of the oxide film forming by heat treatment of steel dentures from stainless steel.

«Otbel» liquid is a solution consisting of a mixture of dilute hydrochloric and nitric acids.

PACKAGING

Liquid

125 ml / 0.9 l / 3 l

NON-METAL CERAMICS BASED ON ZIRCONIUM OXIDE

ESTCER



PACKAGING

Producing of blanks is conducted at the request of the buyer.

ANALOGUES FOR USE

«inCoris ZI» - «Sirona Dental Systems GmbH», Germany

PURPOSE

Manufacturing of core copings of front and posterior teeth; manufacturing frames of prosthetic bridges of 3-4 units, implant- and inlays-supported dentures.

FEATURES

«Estcer» material is a sintered ceramic blocks based on zirconia oxide stabilized with yttrium for CAD/CAM technology.

In a pre-sintered («chalky») condition, «Estcer» blocks are easy to milling on CAD/CAM installation. To achieve high accuracy of marginal fit, the frame is always milled in an increased volume of approximately 20% on each axis, taking into account shrinkage during blocks sintering in a high-temperature furnace. After complete sintering, the structure of the material is densified by more than 99%, a polycrystalline oxide ceramics is formed consisting of tetragonal phase of zirconium oxide.

The obtained high-strength frames made of non-metal ceramics «Estcer» are lined with ceramic materials made of zirconium dioxide for facing frames, with a coefficient of thermal expansion (CTE) equal to the CTE of the material «Estcer».

Important processing restrictions:

- keep the required thickness of the frames and connectors sizes between the units of a denture design;
- do not mill blocks on incompatible CAD/CAM equipment;
- do not sinter the material in an incompatible high-temperature furnace.

SET OF MATERIALS FOR METAL-CERAMIC PROSTHETICS

ULTROPALINE

PURPOSE

«Ultropaline» is a universal porcelain mass for facing whole piece ceramic frames in the manufacturing of porcelain fused to metal crowns and bridges. It is produced by VladMiVa cooperatively with JenDental (Ukraine).



FEATURES

The feature of manufacturing technology of «Ultropalin» metal-ceramic mass is mixing pure oxides, hydroxides or salts of primary components, their melting at a higher temperature (about 1400 °C), and subsequent sintering, i.e. crystallization of leucite in obtained glass matrix in the presence of specially introduced additives (nucleation centers). «Ultropalin» porcelain mass is a fully synthetic ceramic mass, due to which there is no dependence of the material quality on the purity and formula of the original mineral raw materials.

The characteristics of thermal expansion of «Ultropalin» mass are identical to those of the most common metal-ceramic masses. The coefficient of thermal linear expansion of «Ultropalin» is $13.2 \times 10^{-6} \text{ K}^{-1}$. The value of the coefficient of thermal expansion of the mass «Ultropalin» allows you to successfully use it in combination with any metals having a coefficient of thermal expansion within $13.8 - 14.4 \times 10^{-6} \text{ K}^{-1}$. Due to extremely small size of leucite microcrystallites and their high density, the «Ultropalin» metal-ceramic mass is distinguished by very high durability and high bending strength.

A wide range of material colors corresponding to the European color system Vita-Lumin allows you to make a prosthesis that is as close as possible in its optical characteristics and shade to natural teeth.

The metal-ceramic mass manufacturing is a rather complicated process (see instruction for use).

PACKAGING

Large set «Ultropaline»:

Powdered dentins - 16 colors ($A_1, A_2, A_3, A_{3.5}, A_4; B_1, B_2, B_3, B_4; C_1, C_2, C_3, C_4; D_2, D_3, D_4$) of 30 g.
 Powdered enamels - 4 types with different degrees of transparency (S57; S58; S39; S60) of 30 g.
 Powdered cervical masses - 4 types (CA; CB; CC, CD) of 30 g.
 Powdered transparent - 30 g (T), opal modifier - 30 g (Opal).
 Liquid for dentine and enamel modeling - 2 pc of 40 ml.
 Pastelike opaquer - 16 colors ($A_1, A_2, A_3, A_{3.5}, A_4; B_1, B_2, B_3, B_4; C_1, C_2, C_3, C_4; D_2, D_3, D_4$) in syringes of 4 mg.
 Pastelike glaze - 2 syringes of 4 mg. Glaze colorants - 2 syringes (colors: Light, Brown, Ocher) of 4 mg.

Test set «Ultropaline» - dentine, opaquer, enamel, glaze - 19 g.
 available in 2 colors A_2 and A_3 .

Set of powdered opaquers «Ultropaline»

Universal - 6 jars of powder ($OA_2, OA_3, OA_{3.5}, OB_2, OC_2, OD_2$) of 20 g.

Set of dentins «Ultropaline»

Universal - 6 jars of powder ($DA_2, BA_3, DA_{3.5}, DB_2, DC_2, DD_2$) of 30 g.

Set of intensive-dentins «Ultropaline»

Universal - 6 jars of powder (White, Blue, Brown, Grey, Ocher, Red Gum) of 30 g.

Set of opaque-dentins «Ultropaline»

Universal - 6 jars of powder ($OD-A_2, OD-A_3, OD-A_{3.5}, OD-B_2, OD-C_2, OD-D_2$) of 30 g.

Separate colors of «Ultropaline»

Dentine - powder 30 g / 100 g ($A_1, A_2, A_3, A_{3.5}, A_4; B_1, B_2, B_3, B_4; C_1, C_2, C_3, C_4; D_2, D_3, D_4$).
Enamel - powder 30 g / 100 g (S57; S58; S59; S60); Cervical masses - powder 30 g (CA, CB, CC, CD).
Supertransparent - powder 30 g; Transparent - powder 30 g.

Opalescent enamel modifier - powder 30 g.

Liquid for dentine and enamel modeling (transparent, pink) - 50 ml / 100 ml / 200 ml.

Liquid PREFORM - 50 ml / 100 ml / 200 ml.

Liquid for opaquer modeling - 50 ml.

Liquid для глазури - 50 g.

Opaque-paste (16 colors on VITA scale) - syringes 4 g; Opaque-powder (16 colors of Vita) - powder 20 g.

Glaze-paste - syringe 4 g; Glaze-powder - powder 20g.

Glaze colorant - syringe 4 g (white, red gum, yellow, blue, gray-blue, ocher, light ocher, orange, gray ocher, light-brown, brown, dark-brown).

Opalescent transparent - powder 30 g.

Intensive-dentines (White, Yellow, Blue, Brown, Grey, Ocher, Red Gum) - powder 30 g.

Opalescent modifier - powder 30 g.

Smoky opal modifier (SO) (shades Rose, Yellow, Blue, Smoky) - powder 30 g.

Opalescent supertransparent (OST) (particularly transparent enamel mass with opalescence properties) - powder 30 g.

Opaque-dentines (9 shades) - powder 30 g.

Universal coloring, coloring of dentins and enamels.

ANALOGUES FOR USE
 «VM-13» - «Vita», Germany

MOLDING MATERIAL BELOFORM



PACKAGING

Set:	
Powder	160 g / 160 g x 12 pcs
Liquid	38 ml / 400 ml
As separate item:	
Powder	160 g x 32 / 25 kg
Liquid	1 l / 5 l

ANALOGUES FOR USE

«Brevest» - «Bredent», Germany
 «Deguest» - «Degussa», Germany
 «Polivest» - «Polident», Slovenia.

PURPOSE

Manufacturing of highly accurate casting mold in casting of whole piece non-removable prostheses and other dental parts from refractory alloys, as well as from alloys containing precious metals.

FEATURES

Universal dental molding material «Beloform» contains phosphate, polydisperse quartz, cristobalite, fire-resistant astringent substances, also colloid liquid with modifying and stabilizing additives.

Technical characteristics of «Beloform» dental molding material:

- working time of moulding mass (at 21-23°C) - 5 minutes;
- fluidity - 120 mm;
- hardening time - 7-10 minutes;
- compressive strength (in 2 hours) - not less than 4.0 MPa;
- compensative expansion at hardening - 1.2%;
- thermal expansion at 900°C - 1.3%;
- general expansion - 2.5%.

The maximum expansion of the investment material is obtained using concentrated «Beloform» concentrate liquid. The total expansion can be changed due to diluting the liquid with distilled water, i.e. to compensate for the shrinkage of any alloy used for casting (it is necessary to know the alloy expansion and its composition). The more liquid dilutes with distilled water, the smaller the mass expansion is. Minimal expansion is obtained by mixing the powder with distilled water.



PACKAGING

Varnish	125 ml / 500 ml / 1 l
---------	-----------------------

ANALOGUES FOR USE

«Isodent» - «Spofa Dental», Czech Republic
 «Divosep» - «Vertex», Netherlands

DENTAL SEPARATING VARNISH ISALGIN

PURPOSE

Forms a film on the surface of the plaster model and prevents splicing of plaster with resin.

FEATURES

«Isalgin» separating varnish is made based on sodium alginate.

Coating the plaster model with varnish is carried out after removing wax from the plaster surface and degreasing a plaster model (form) by boiling in water. The required amount of separating varnish is poured into a small vessel and is evenly applied with a brush to a warm surface of a plaster model.

MATERIAL FOR ISOLATION OF GYPSUM FROM GYPSUM ISOSPRAY

PURPOSE

Isolation of gypsum from gypsum by split casts manufacturing in dental laboratory.

FEATURES

«IsoSpray» penetrates a gypsum surface without forming a film, closes gypsum model pores. After drying, the gypsum surface becomes water-repellent.



PACKAGING

Varnish-spray

500 ml

SILVER WIRE SOLDER PSRMTS-37-PPSS-37 WIRE SOLDER

PURPOSE

Soldering of denture parts made of stainless steel and cobalt-chrome alloy.

FEATURES

PSrMTS wire is an alloy made of silver (37%), manganese, zinc, nickel, cadmium, magnesium and copper.

The flow temperature is $(705 \pm 10)^\circ\text{C}$, the melting range is $(692+10)^\circ\text{C}$, the breaking strength of a soldered joint of cobalt-chrome alloy is not less than 350 MPa.

The set includes flux (powder), the main component of which is dehydrated borax. Flux is used for soldering stainless steel prosthetic bridges with silver solders.

Flux does not interact chemically with solder.

The material does not foam and bubble by heating.



PACKAGING

Wire $\varnothing=1$ mm
Flux (powder)

20 g / 40 g
30 g

DENTAL ALLOY ALLOY FUSIBLE

PURPOSE

Manufacturing of stamps, models used in the crowns, clammers and clasp prostheses manufacture.

FEATURES

The low-melting alloy contains bismuth, tin, plumbum, and other metals.

The alloy melts at a temperature of 96°C , is quite hard, but easy to process, has good casting properties and minimal shrinkage during cooling.



PACKAGING

Pills

60 g x 5 pcs

CRUCIBLES CERAMIC

for induction casting units



PURPOSE

Melting of metals and alloys used in orthopedic dentistry for manufacturing of casting crowns, gaps, prosthetic bridges, and other metal elements of dental prostheses in dental clinics, laboratories and workshops.

Crucibles are produced for all major types of foundry installations manufactured by both domestic manufacturers leading foreign companies.

CRUCIBLES LIST

№	Type of casting unit	Code	size, mm (variation is not more than 1%)		
			H	B	d
1	Fornax	F-01-1	78.0	78.0	8.5
2	Fornax with cap	F-01-3	78.0	78.0	8.5
3	Fornax 35	F-01-4	77.5	77.5	8.5
4	Manfredy middle	M-02-1	69.5	69.5	8.5
5	Manfredy middle with cap	M-02-2	69.0	69.0	8.5
6	Manfredy little	M-02-3	68.0	59.0	8.5
7	Manfredy little with cap	M-02-4	68.0	59.0	8.5
8	Manfredy big	M-02-5	77.5	77.5	8.5
9	Minimax	M-03-1	70.0	70.0	13.0
10	Degutron	D-04-1	63.0	54.0	8.5
11	NH-Dent	H-06-1	66.0	60.0	8.5
12	Dukatron	D-07-1	77.5	71.5	8.5
13	Dyukatron	D-08-1	78.0	78.0	8.5
14	Degussa	D-09-1	66.0	58.5	8.5
15	Hereus with one fillet	H-10-1	73.0	73.0	8.5
16	Hereus with double fillet	H-10-2	85.5	85.5	9.5
17	Aloi	A-11-1	83.0	83.0	8.5
18	Kastomat	K-12-1	70.0	70.0	8.5
19	Ivocast	I-13-1	69.5	69.5	8.5
20	Ivocast-2	I-13-2	75.0	75.0	8.5
21	Leningradskiy little	L-14-1	80.0	80.0	8.5
22	WCHI	B-15-1	76.5	76.5	-
23	WCHI-10	B-15-2	68.0	68.0	13.0
24	Gelenko	G-16-1	67.0	48.0	8.5
25	Sparkdon	C-17-1	67.4	67.4	6.0
26	Dako	D-18-1	104.0	104.0	-
27	Kyultser	K-19-1	71.0	71.0	8.5
28	Yugin	Yu-20-1	108.0	108.0	-
29	Keep	K-21-1	41.0	67.0	9.0
30	Keep 2	K-21-2	57.5	74.5	10.0

FEATURES

Ceramic crucibles provide reliable operation under tough conditions of their operation in the conditions of induction heating of metal. It should be noted that the heating is uneven since the amount of melted metal in it is 10-15% of the volume of a crucible, which complicates service conditions of a crucible.

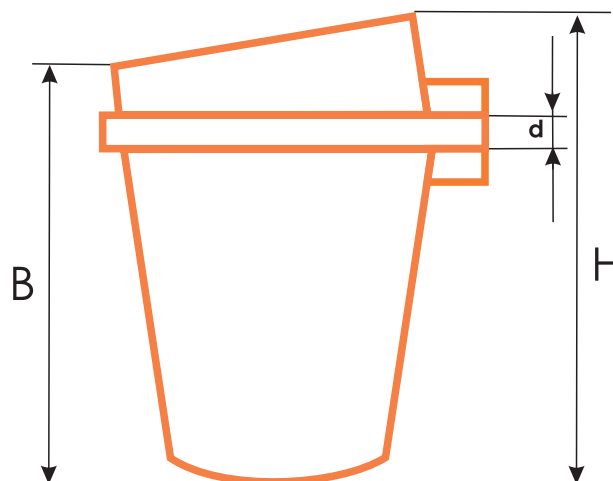
Crucibles are produced using a unique technology based on amorphous quartz nanodispersed systems, which provides high thermal resistance and corrosion resistance, as well as enhanced performance characteristics.

The content of silicon dioxide in the crucibles is not less than 99.0%.

The thermal resistance of ceramic crucibles is not less than 15 thermal cycling (when heated to a temperature of + 950 °C, followed by cooling in running water at room temperature).

In addition to crucibles, ceramic bowls (small, medium, large) are produced for the smelting of precious metals, pallets for muffle furnaces, ceramic inserts and much more.

At the request of the Customer (in the presence of a sample or a drawing) it is possible to make other configurations of crucibles for any type of casting.



TECHNICAL CERAMIC

№	Title	Length, mm	Width, Ø mm	Height, mm	Note
1	Girdle	180	27	16	
2	Pallet	265	125	80/35	
3	Pallet	250	175	15	
4	Pallet with grid	250	175	15	10 grids
5	Pallet	250	150	15	
6	Pallet with grid	250	150	15	8 grids
7	Pallet	233	233	40	inside height 27
8	Pallet	170	100	45	
9	Pallet with openings	170	100	40	14 отверстий Ø 5 mm on perimeter
10	Pallet	165	145	15	
11	Pallet with grid	165	145	15	7 grids
12	Pallet	115	10		
13	Pallet with stiffening plate	140	100	40	1 grid, inside height 35
14	Pedestal round		120		
15	Pedestal	70	70		
16	Glass		130	150	
17	Glass with rim		118	177	Ø of rim 125*129, height of rim 6-7
18	Glass with rim, with spout		85	145	Ø of rim 94, height of bottom landing to rim 118
19	Glass with rim		88	128	Ø of rim 94*96, height of rim 6-7
20	Form for opened spiral	250	145	17	10 cells Ø 8.5-9
21	Cup		230	102	inner: Ø 215, height 95





Fornax* F-01-1



Fornax with cap* F-01-3



Fornax 35* F-01-4



Manfredy middle* M-02-1



Manfredy middle with cap* M-02-2



Manfredy little* M-02-3



Manfredy little with cap* M-02-4



Manfredy big* M-02-5



Minimax* M-03-1



Degutron* D-04-1



NH-Dent* H-06-1



Dukatron* D-07-1



Dyukatron* D-08-1



Degussa* D-09-1



Hereus with one fillet* H-10-1

* type of casting unit

**Hereus with double fillet* H-10-2****Aloi* A-11-1****Kastomat* K-12-1****Ivocast* I-13-1****Ivocast-2* I-13-2****Leningradskiy little* L-14-1****WCHI* B-15-1****WCHI-10* B-15-2****Gelenko* G-16-1****Sparkdon* C-17-1****Dako* D-18-1****Kyultser* K-19-1****Yugin* Yu-20-1****Keep* K-21-1****Keep 2* K-21-2**

* type of casting unit

VARNISH FOR CASTING BELOLIT



PACKAGING

Varnish

125 ml / 500 ml

ANALOGUES FOR USE
«Picosilk» - «Renfert», Germany

Available in two forms:

- «Belolit» (for casting)
- «Belolit»-S (separating varnish)

PURPOSE

Coating wax models before applying a facing layer when casting from steel and chrome-cobalt alloys using silicate molding materials.

«Belolit»-S is used for applying to a surface of a plaster model to prevent splicing of gypsum with thermoplastic material (polycarbonate, nylon, acrylic, polypropylene), which facilitates the separation of plaster from a prosthesis and significantly reduces cleaning and polishing time of the base.

FEATURES

Varnish for molding «Belolit» provides an accurate reproduction of a model and its separation from a facing layer during casting. The varnish is a transparent, easily volatile liquid, which forms a uniform layer on a wax model during volatilization, which provides smooth application of a silicate molding material.

Separating varnish «Belolit»-S is manufactured on silicone basis

The varnish is effective in the manufacturing of prostheses using injection molding technology in dental laboratories. Isolating varnish layer retains its properties at high temperatures.

A small amount of sediment does not affect the quality of the material.

COMPENSATING VARNISH COMPELAK

PURPOSE

- partial compensation of shrinkage at manufacturing of whole piece cast dentures;
- creating an intermediate layer on a gypsum stump model for the formation of distance gap under fixative cement.

FEATURES

«Compelak» varnish is a viscous liquid colored in golden, silver, blue or red. After drying, the varnish gives a non-shrink, non-elastic film that is held on a plaster model firmly. Film formation time is not more than 2 minutes.

The film thickness of one layer:

- **gold** 7-10 μm ,
- **silver** 7-10 μm ,
- **blue** 12-15 μm ,
- **red** 12-15 μm .



PACKAGING

Compensating varnish (one of the colors: blue, red, gold, silver)	15 ml
Separating liquid	15 ml
Solvent	15 ml

Available as separate items.

ANALOGUES FOR USE
«Die spacer» - «Kerr», USA

SOFT ONE-COMPONENT VARNISH COMPELAK S SHTUMFLAK

PURPOSE

It is used in manufacturing of whole piece cast dentures to create an intermediate layer on a gypsum model of a tooth stump to form a distance gap under fixative cement, as well as compensation of metal shrinkage.

FEATURES

Stumflak is a viscous, orange-colored liquid containing a film former, is not absorbed into gypsum by application to a model and forms a shrink film with a thickness of 20-30 μm after drying for 3-7 minutes.



PACKAGING

Varnish	12 ml
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ANALOGUES FOR USE
«Vorkron» - «Latus», Ukraine



MATERIALS FOR COSMETOLOGY AND NAIL SERVICES

YOU CAN FIND DESCRIPTION OF MATERIALS ON THE FOLLOWING PAGES:

Diamond instruments.....	128	Dentlight adhesive.....	19
Alumogel.....	54	Dentlight-flow.....	17
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DISINFECTANTS

SERIES OF DISINFECTANTS MEGADEZ PRACTICAL, RATIONAL AND CONVENIENT APPROACH TO DISINFECTION

DISINFECTION OF SURFACES

- IN MEDICAL AND PREVENTIVE TREATMENT INSTITUTIONS
- AT ENTERPRISES OF MUNICIPAL-DOMESTIC SERVICE
- AT VETERINARY SUPERVISION OBJECTS



DISINFECTION OF IMPRESSIONS OF SILICONES AND ALGINATE MATERIALS



-ORTHO

HIGH LEVEL DISINFECTION



-FORTE

EMERGENCY DISINFECTION



-SPRAY

DISINFECTANT WIPES



-CLEANER

HAND SKIN TREATMENT



DISINFECTION OF SURFACES

MEGADEZ



PACKAGING

Liquid-concentrate 1 l / 3 l / 5 l
Expiration date: 3 years

ANALOGUES FOR USE

«Deconex 50 FF» - «Borer Chemie», Switzerland
«Lysoform special» - «Lysoform Dr.Hans Rosemann GmbH», Germany
«Samorovka» - «Samorovka»; «Alaminol» - «NIOPIK», Russia

At enterprises of municipal-domestic service:

- preventive disinfection at municipal-domestic service enterprises; in educational, cultural, recreation, sport institutions; in social welfare institutions and penal institutions; in trade facilities and public catering enterprises; in transport facilities at infections of bacterial etiology (including tuberculosis), viral etiology infections, dermatophytes, candidiasis;
- surface treatment to combat mold fungi; cleaning, disinfecting and deodorizing of garbage collection equipment and garbage cans, garbage trucks; disinfection of surfaces in the cabins of autonomous toilets and bio-toilets; for general cleanings.

At veterinary supervision objects:

- conducting of preventive and forced (current and final) disinfection of objects of veterinary surveillance, including livestock, poultry and fur farm premises, technological equipment located in them, auxiliary facilities, milk blocks and feed kitchens, sanitary equipment, sanitary slaughterhouses, open facilities, containers and overalls; vehicles (including road, rail, water and air transport used to transport animals and poultry, as well as raw materials and products of animal origin); veterinary clinics (stations), laboratories, vivariums, circuses and zoos.

DESCRIPTION

Transparent pink liquid with a characteristic odorant.

COMPOSITION

As active substances, it contains alkyl dimethyl benzyl ammonium chloride (QAC) - 26.50%, glutaraldehyde - 0.55%, glyoxal - 7.50%, as well as technological and functional additives (including nonionic surfactant, anti-corrosion additive, colorant, flavorant, distilled water).

WARNING! Mixing the material with other cleansers is strictly forbidden.

ANTIMICROBIAL ACTIVITY

It has bactericidal activity against gram-negative and gram-positive bacteria (including mycobacterium tuberculosis), virucidal and fungicidal activity (against pathogens of candidiasis and dermatophytosis), molds. Solutions of the material have detergent properties. The material retains its properties after freezing and subsequent thawing.

SPHERE OF APPLICATION

1. Medical and preventive treatment institutions (except children and obstetric hospitals); clinical, microbiological and other laboratories, focuses of infection, medical transport.
2. Enterprises of municipal-domestic service, educational, cultural, recreation, sport institutions; social welfare institutions and penal institutions; trade facilities and public catering enterprises; transport facilities.
3. Livestock, poultry and fur farm premises, veterinary clinics (stations), laboratories, vivariums, circuses and zoos.

APPLICATION

Described in detail in Instruction for use of the disinfectant «Megadez» № 1/06, produced by JSC «EP VladMiVa», Russia, in **medical and preventive treatment institutions**;

In Instruction for use of the disinfectant «Megadez» № 02/08, produced by JSC «EP VladMiVa», Russia for disinfection **at enterprises of municipal-domestic service**, in educational, cultural, recreation, sport institutions; in social welfare institutions and penal institutions.

In Instruction for use of the disinfectant «Megadez» № 07/15, produced by JSC «EP VladMiVa», Russia for disinfection **at veterinary supervision objects** and prevention of infectious diseases of animals.

PRECAUTIONS

Do not allow people under the age of 18 to work with the material, people with increased sensitivity to chemicals and allergic diseases. Avoid contact with the material and its solutions in eyes and on skin. All works with the disinfectant should be carried out in rubber gloves. The containers with the solutions of the product must be closed with lids. Surface treatment by wiping with solutions of the disinfectant in concentrations up to 1.0% inclusive can be carried out without respiratory protection in the presence of people. After disinfection in the treated rooms should be carried out wet cleaning and airing. When treating surfaces using the irrigation method, use personal respiratory protective equipment - universal respirators of the brand RU-60M or RPG-67 with a cartridge of grade A; eyes - sealed goggles, skin of hands - rubber gloves. When working with the material, it is necessary to observe the rules of personal hygiene, wash open parts of the body with soap and water after work. Smoking, drinking and eating during processing is strictly prohibited. **First aid measures:** In case of respiratory irritation signs occurring, stop working with the disinfectant, immediately take the injured person out to fresh air or another room, and air the processed room. Rinse mouth and nasopharynx with water. Consult a doctor if necessary. In case of contact with skin, immediately wash it off with plenty of water and apply a softening cream on the affected skin. In case of contact with eyes, rinse immediately with plenty of water under running water for 10-15 minutes, and if hyperemia occurs, put a few drops of 30% sodium sulfacyl solution. Consult a doctor. In case of entering of the disinfectant the stomach, it is necessary to drink several glasses of water with 10-20 crushed tablets of activated carbon. Do not rinse the stomach! Consult a doctor.

STORAGE AND TRANSPORTATION

Store the material in the manufacturer's original packaging in closed containers at a temperature of 0°C to +35°C, avoiding direct sunlight, separate from medicines and foodstuffs, out of the reach of children. The disinfectant can be transported by all means of transport under the shipping rules acting on each mean of transport and guaranteeing the safety of the material and packing materials.

ENVIRONMENTAL SAFEGUARD MEASURES

Drain the disinfectant into the sewage system is allowed only in diluted form. In case of accidental leakage of the product, it should be adsorbed with an absorbent material (sand, sawdust, rags, silica gel), collected, and sent for utilization. When cleaning spilled disinfectant, the staff should use protective clothing, boots and personal protective equipment (rubber or polyethylene gloves, safety goggles, respirators of the type RU-60M or RPG-67 with a cartridge of grade A).

DISINFECTION OF IMPRESSIONS MADE OF SILICONE AND ALGINATE MATERIALS**MEGADEZ – ORTHO****PURPOSE**

Disinfection of dental impressions made of alginate, silicone materials, polyester resin, dentoprosthetic blanks made of ceramics, metals, resins, corrosion-resistant articulators, impression trays.

DESCRIPTION

Ready-to-use, transparent, light yellow liquid with an odorant.

COMPOSITION

As active substances, it contains propanol-1 - 30%, propanol-2 - 35%, N, N-dodecyl-N methyl-poly (oxyethyl) ammonium propionate - 0.39%, dodecylpropylene triamine - 0.30% and other functional components.

ANTIMICROBIAL ACTIVITY

Concerning gram-negative and gram-positive bacteria (including tuberculosis pathogens - tested for Mycobacterium terrae), pathogenic fungi (pathogens of candidiasis) and viruses (pathogens of parenteral hepatitis B, C, D, HIV infection, influenza including type A H1N1, A H5N1, herpes, cytomegaly).

SPHERE OF APPLICATION

Medical organizations.

APPLICATION

Described in detail in Instruction for use of the disinfectant «MegaDez-Ortho» № 6/14.

PRECAUTIONS

Work in rubber gloves; avoid contact with eyes and skin. **In case of emergency**, when spilling the disinfectant, adsorb with non-flammable absorbent material (sand, silica gel), collect in containers, and send for utilization. Rinse off residues with plenty of water. When cleaning off the disinfectant, it is necessary to use protective clothing, a rubber apron, rubber boots, and personal protective equipment for hands (rubber gloves), eyes (goggles), respiratory organs (universal respirators of the type RU-60M, RPG-67 or with a cartridge of grade B).

STORAGE AND TRANSPORTATION

Store the material in the manufacturer's original packaging in a dry warehouse protected from moisture and sunlight at a temperature of 0°C to +35°C. Transportation by all means of transport in the manufacturer's original packaging under the shipping rules acting on each mean of transport.

ENVIRONMENTAL SAFEGUARD MEASURES

Do not allow undiluted disinfectant to enter sewage/surface or groundwater and into a sewer.

**PACKAGING**

Liquid	1 l / 3 l / 5 l
Liquid-spray	0.5 l
Expiration date: 3 years	

ANALOGUES FOR USE

«PrintoSept - ID» - «Alpro Medical GMBH», Germany;
«Impressiv» - «Alkapharm UK Limited», England

HIGH LEVEL DISINFECTION

MEGADEZ – FORTE



PURPOSE

- disinfection of medical devices (surgical and dental, including rotating, instruments, rigid and flexible endoscopes, instruments for them) from various materials (corrosion-resistant metals, rubber, resins, glass);
- high level disinfection (HLD) of endoscopes;
- sterilization of medical devices (surgical and dental, including rotating, instruments, rigid and flexible endoscopes, instruments for them) from various materials (corrosion-resistant metals, rubber, resins, glass).

DESCRIPTION

Ready-to-use, transparent or slightly opalescent liquid, colorless or yellowish with a slight specific odorant.

COMPOSITION

As active substances, it contains:

- hydrogen peroxide - 6.5%,
- peracetic acid - 0.2%,
- other functional components.

PACKAGING

Liquid-concentrate 1 l / 3 l / 5 l
Expiration date: 2 years

ANALOGUES FOR USE

«MetriCide» - «Metrex Research Corporation», USA;
«Anioxyde» - «Laboratories ANIOS», France

ANTIMICROBIAL ACTIVITY

It has antimicrobial activity against gram-negative and gram-positive bacteria (including *Mycobacterium tuberculosis* - tested for *Mycobacterium terrae*), viruses (Coxsackie, ECHO, poliomyelitis, enteral and parenteral hepatitis, rotaviruses, noroviruses, HIV, type A influenza, including A H1N1, A H5N1, adenoviruses and other pathogens of ARVI, herpes, cytomegaly), fungi of the genus *Candida*, dermatophytes, as well as sporocidal action.

SPHERE OF APPLICATION

Medical organizations.

APPLICATION

Described in detail in Instruction for use of the disinfectant «Megadez -Forte» № 5/14, produced by JSC «EP VladMiVa», Russia.

PRECAUTIONS

Work in neoprene gloves, avoid inhalation and contact with eyes and skin.

In case of emergency, when spilling the disinfectant, use universal respirators of the type RPG-67 or RU-60M with a cartridge of grade V or industrial gas mask, airtight goggles, personal protective clothing (overalls), boots, rubber or neoprene gloves. When cleaning off the spilled disinfectant, it should be adsorbed with an absorbent material (sand, silica gel), collect in containers, and send for utilization. Do not use inflammable material (such as sawdust). Wash off the residues with plenty of water, having neutralized previously with sodium carbonate (baking soda).

STORAGE AND TRANSPORTATION

Store the material in the manufacturer's original packaging in a dry warehouse protected from moisture and sunlight at a temperature of 0 °C to +35 °C.

Transportation by all means of transport in the manufacturer's original packaging under the shipping rules acting on each mean of transport.

ENVIRONMENTAL SAFEGUARD MEASURES

Do not allow undiluted disinfectant to enter sewage/surface or groundwater and into a sewer.

EMERGENCY DISINFECTION

MEGADEZ – SPRAY

PURPOSE

Emergency disinfection by wiping or irrigating small areas, as well as surfaces that are difficult to process, requiring quick disinfection and drying; disinfection of furniture, equipment (including laboratory, laminar cabinets, bactericidal lamps, etc.), medical devices, machines, and adaptations to them, sanitary equipment, patient care items, sports equipment items and other objects (resistant to the action of alcohols) in case of bacterial infections (including tuberculosis), virus and fungal etiology.

DESCRIPTION

The disinfectant «Megadez-spray» is a transparent solution of blue color with a characteristic odorant, ready-to-use by irrigation or rubbing method.

COMPOSITION

As active substances, it contains didecyldimethylammonium chloride, dodecylpropylene triamine, propanol-2; propanol-1, as well as functional and technological components.

ANTIMICROBIAL ACTIVITY

The disinfectant «Megadez-spray» has bactericidal activity against gram-negative and gram-positive bacteria (including tuberculosis mycobacteria), fungicidal properties against pathogenic fungi of pathogens of candidiasis and dermatophytosis, and virucidal activity (including against pathogens of poliomyelitis, parenteral hepatitis, HIV infections).

SPHERE OF APPLICATION

- medical and preventive treatment institutions of all profiles: hospitals, polyclinics, sanatoriums, dispensaries, rehabilitation centers, day hospitals, medical units and medical posts, feldsher's and feldsher-midwife stations, hospices, dispensaries (including anti-TB, skin-venereal, etc.), hospitals, dental surgeries, obstetric hospitals, specialized medical centers, blood transfusion and ambulance stations (including ambulance vehicles and hospital transport), clinical, diagnostic, microbiological laboratories (centers);
- in focus of infection;
- enterprises of municipal-domestic service (hotels, hostels, hairdressers, beauty salons, beauty parlors, massage parlors, bathhouses, saunas, laundries, sanitary inspection rooms, public catering facilities, public toilets, including self-contained and dry closets);
- objects of educational institutions (including children's and teenagers), health-improving, culture, recreation and sports (pools, gyms, sports complexes, fitness centers, solariums, offices, theaters, cinemas, etc.);
- perfume and cosmetic industry enterprises;
- enterprises of chemical-pharmaceutical, biotechnological and food industries (except specialized technological equipment);
- social security institutions, penitentiary institutions;
- shopping facilities (including industrial and food markets, shops and other retail outlets, specialized vehicles, including those intended for the transportation of food and other products);
- objects of motor transport.

APPLICATION

Described in detail in Instruction for use of the disinfectant «Megadez -Spray» №03/09, produced by JSC «EP VladMiVa», Russia.

PRECAUTIONS

Working with the disinfectant is allowed to people aged 18 years and older, not suffering from allergic diseases. Use the material following the sphere of application. Do not take the material inside! Do not apply to wounds and mucous membranes. All works with the product should be carried out in rubber gloves. Avoid contact of the disinfectant with eyes and skin. When working with the disinfectant, it is forbidden eating, drinking, smoking. Do not process varnished surfaces, surfaces made of acrylic glass and other materials subject to alcohol. The material is flammable! Do not irrigate heated surfaces and do not spray the material near fire and switched on appliances! When working with the disinfectant, it is necessary to strictly observe the consumption rate - 30-50 ml/m² of the surface, one-time processing - no more than 1/10 of the total area of a room. Subject to observance of consumption rate, surface processing does not require the use of personal respiratory protection. After the expiration date, the use of the material is prohibited.

First aid measures: in case of irritation of mucous membranes of eyes and respiratory organs, take the injured person out to fresh air, provide rest, warming and warm drinking. In case of contact the disinfectant with skin, wash it off with water. In case of contact with eyes, rinse immediately with plenty of water under running water for 10-15 minutes, and put a few drops of 30% sodium sulfacyl solution. If the material accidentally enters a stomach, rinse a stomach with plenty of water at room temperature. Then drink a few glasses of water with addition of an adsorbent (10-15 tablets of crushed activated carbon per glass of water). Consult a doctor if necessary.



PACKAGING

Liquid	1 l / 3 l
Liquid-spray	0.5 l
Expiration date: 3 years from manufacturing date in unopened package.	

ANALOGUES FOR USE

«Bacillol plus» - «Bode Chemie GmbH & Co», Germany
«Meliseptol Rapid» - «B. Braun», Germany

SINGLE-USE DISINFECTANT WIPES

MEGADEZ – CLEANER



PURPOSE

Disinfection:

- small surfaces in the premises (door, window handles, switches, telephone handsets, coffee and dining tables, head restraints, armrests, toilet shelves, bedside tables, monitors, computer keyboard, etc.);
- sanitary equipment, furnishings, medical devices and equipment (including surfaces of artificial respiration apparatuses, anesthetic, physiotherapeutic equipment, optical devices, mammographs, phonendoscopes);
- medical devices that are not in direct contact with the mucous membranes of patients (sensors of ultrasonography apparatus, tonometers, dental handpieces, adapters from a turbine hose to handpieces, micromotors to mechanical handpieces, handpieces to a scaler for removing dental deposits, lightguides of reflective lamps);
- patient care items (lining oilcloths, aprons, mattress covers made of polymer film and oilcloths); toys made of rubber and plastics, for the processing of cribs; shoes made of rubber, plastic and other synthetic materials; rubber and polypropylene rugs.

PACKAGING

Wipes	100 pcs
Wipes	200 pcs

Expiration date: 3 years

SPHERE OF APPLICATION

- medical and preventive treatment institutions of various profiles, focus of infection, sanitary transport;
- vehicles for transportation of food products, public service vehicle, railway and subway stations;
- penitentiary institutions and social security organizations;
- enterprises of municipal-domestic service (hairdressers, hotels, hostels, public toilets);
- shopping and entertainment centers;
- food and industrial markets, educational organization, culture, recreation and sports, offices, pharmaceutical and biotechnological industry enterprises in the premises of cleanliness classes C and D;
- adult population at home.

ACTIVITY

It has antimicrobial activity against gram-negative and gram-positive bacteria (except for mycobacterium tuberculosis), viruses (Coxsackie, ECHO, poliomyelitis, enteral and parenteral hepatitis, rotaviruses, noroviruses, HIV, influenza, including type A, including A H1N1, A H5N1, adenoviruses and other pathogens of ARVI, herpes, cytomegaly), fungi of the genus Candida, dermatophytes.

PRECAUTIONS

Working in waterproof gloves, avoid contact with eyes and skin.

TRANSPORTATION

By all means of transport in the manufacturer's original packaging under the shipping rules acting on each mean of transport and guaranteeing the safety of the material and packing materials.

STORAGE

In the manufacturer's tightly closed packaging in a dry warehouse protected from moisture and sunlight at a temperature of from + 5°C to + 30°C, away from sources of heat and open flame, separately from medicines, food products, out of the reach of children.

IN CASE OF EMERGENCY

In case of integrity damage of consumer packaging, scattered wipes should be collected and sent for utilization as household waste. Do not burn! Work carried out in overalls and rubber gloves.

ENVIRONMENTAL SAFEGUARD MEASURES

Do not allow disinfectant wipes to enter into a sewer.

HAND SKIN TREATMENT MEGASEPT

PURPOSE

- processing of the hands of surgeons and other persons involved in surgical interventions in medical and preventive treatment institutions (including dental institutions, maternity hospitals, etc.);
- processing of elbow bends of donors at blood transfusion stations, etc.;
- skin processing of the surgical field of patients in medical and preventive treatment institutions, etc.;
- skin processing of the injection field of patients, before injections, including before the introduction of vaccines, punctures, dissections, biopsies in medical and preventive treatment institutions, in ambulances, in emergency areas.



PACKAGING

Liquid-spray	50 ml / 150 ml
Liquid	1 l / 5 l
Expiration date: 3 years	

ANALOGUES FOR USE

«Decosept plus» - «Borer Chemie», Switzerland
«Octenisept» - «Schulke & Mayr», Germany

Hygienic hands treatment:

- medical personnel in medical and preventive (including children's preschool and school) institutions, medical ambulance, dental care facilities, maternity hospitals, departments for newborns, intensive care and resuscitation departments, traumatology, burn centers, medical profile centers, stations blood transfusion, in emergency zones, personnel of first-aid posts, pharmacies and drugstores;
- workers of social security institutions (nursing homes, disabled people, etc.), sanatorium-resort institutions, penitentiary institutions, educational, cultural, recreational, sports institutions; laboratory workers (including bacteriological, virological, immunological, etc.);
- employees of perfumes, cosmetics, pharmaceuticals and microbiological enterprises; food industry enterprises, public catering enterprise, industrial markets, commerce (including cashiers and other persons working with banknotes); enterprises of municipal-domestic service, educational institutions, culture, recreation, sports;
- disinfection of gloves (made of latex, neoprene, nitrile and other materials resistant to chemicals) worn by medical personnel in microbiological laboratories for bacterial (including tuberculosis), viral and fungal (candidiasis) infections, including in case of contact of gloves with infectious material when collecting medical waste; as well as employees of manufacturing sterile products enterprises.
- hygienic hands treatment by the population at home (except for children).

DESCRIPTION

The disinfectant «MegaSept» is a ready-to-use skin antiseptic in the form of a transparent liquid, from colorless to light yellow, with a specific odorant.

COMPOSITION

As active substances, it includes 1-propanol, 2-propanol, alkyldimethylbenzylammonium chloride and didecyltrimethylammonium chloride; moisturizing and hand skin softening components, odorant, water.

ANTIMICROBIAL ACTIVITY

It is active against gram-positive (including mycobacterium tuberculosis) and gram-negative bacteria, Candida fungi, viruses (parenteral hepatitis B and C, HIV, herpes simplex, influenza, including influenza viruses A H1N1, A H5N1 and other pathogens ARVI).

APPLICATION

Described in detail in Instruction for use of the material «Megasept» № 4/10, produced by JSC «EP VladMiVa», Russia.

STORAGE AND TRANSPORTATION

Transportation by all means of land and water transport is allowed, protecting from direct sunlight and atmosphere precipitations under the shipping rules acting on each mean of transport.

The material is stored in the manufacturer's original packaging in dry ventilated covered warehouses, in places protected from moisture and sunlight, away from heaters and open flame. It is allowed to store the material at a temperature not exceeding +25°C.



BURS WITH DIAMOND HEADS «ROSBEL»

PURPOSE

Treatment of tooth hard tissues and other materials used in dentistry, when working with various dental handpieces in clinics.

Burs with diamond heads «RosBel» are used for all types of dental works: preparation, adjustment, grinding, alignment, cosmetic works, etc.

The burs are used on various materials: enamel, dentin, jawbone, amalgam, ceramics, porcelain, cements, metal alloys, composite materials, precious metals.

MAIN TECHNICAL CHARACTERISTICS

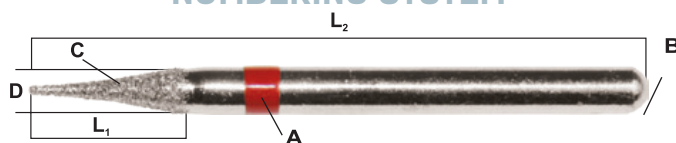
The base of the shank manufacturing is high-quality stainless steel with nickel protective and decorative coating that provides the necessary corrosion resistance of the product. Additional spraying of titanium nitride or double nitride titanium aluminum improves the technical characteristics of burs and increases tool working life. A diamond layer of heads consists of diamond powder and metal binder of galvanic nickel.

Burs with diamond heads «RosBel» are available in a broad assortment of different forms and sizes of a shank, working part and grainsize of diamond powder. According to shank construction burs are classified into the following types:

- for **angle** handpiece;
- for **straight** handpiece;
- for **turbine** handpiece.

The main working characteristic of bur is its grainsize. Diamond dental burs are produced of 6 types depending on the size of the diamond grains. Each type corresponds to a special numeral and color codes which are marked on the tool or the packing. The code corresponds to generally accepted international standards.

NUMBERING SYSTEM



A			B	L ₂	C	L ₁	D
8	5	6	31	4	168	030	010
Working part material – DIAMOND	Diamond grain size – fine	Metal binder – galvanic method	Shank type	Overall tool length	Working part form	Working part length	Working part diameter

LIST OF BURS PARAMETERS

COLOR CODES

CODE	COLOR	GRAIN SIZE (mkm)	PURPOSE
836	yellow	25 extra-fine	for processing and smoothing of edges of composite fillings
856	red	46 fine	for final finishing
866	blue	107 middle	for universal removal dental tissue
876	green	157 coarse	for fast removal dental tissue
886	black	181 extra-coarse	for fast removal dental tissue

SHANK TYPES

SHANK TYPES	CODE	OVERALL LENGTH	SHANK DIAMETER
straight tip	104	standard (44,5 ± 0,5 mm)	∅ 2,35 mm
angle tip	204	standard (22, 24 mm)	∅ 2,35 mm
angle tip	205	long (26, 28 mm)	∅ 2,35 mm
turbine tip	314	standard (19, 21 mm)	∅ 1,60 mm
turbine tip	315	long (21, 22 mm)	∅ 1,60 mm
turbine tip	316	long (25 mm)	∅ 1,60 mm

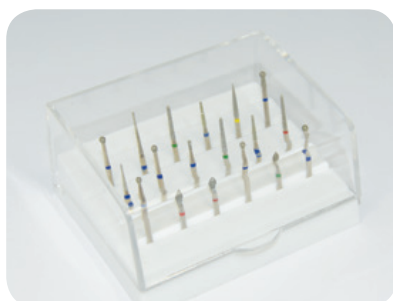
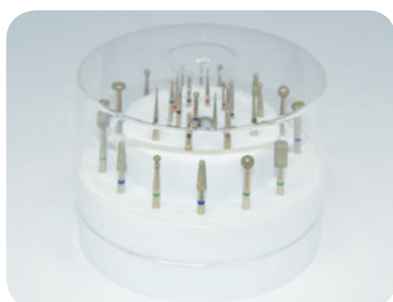
ANALOGUES FOR USE

«FG» - «Strauss&Co»; «Diamond burs» - «Dialom Diamond Tools Ltd», Israel
«Mani» - «Mani», Japan; «SS White» - «SS White», USA

PACKAGING



Burs with natural diamond
— blisters of 10 pc



Stands for burs

FORM OF WORKING PART

	001	Spherical (round)
	002	Spherical (round) shouldered, standard
	697	Spherical long (surgical)
	010	Inverted cone
	019	Inverted cone shouldered
	032	Combined double cone with connected cones in the top
	037	Double cone, symmetric, short
	040	Wheel
	067	Wheel, half-round ring
	107	Cylindrical (form), side and end cutting
	126	Cylindrical, point end
	137	Cylindrical, semi-spherical end
	164	Cone, peak thin
	168	Cone (truncated cone)
	194	Cone, domical (semi-spherical) end
	219	Cone, domical end, only side cutting
	225	Inverted cone
	237	Pear
	243	Flame, standard
	244	Flame with well rounded end
	245	Cylindrical, pointed, long
	254	Bud
	260	Bud rounded
	266	Bud, rounded, long
	272	Bullet
	277	Egg
	294	Torpedo cone
	303	Lens
	465	Interdental bur
	551, 552	Cylindrical with a wavy working part
	554, 555	Cone with a wavy working part
	700	Spherical combined

DISKS DENTAL DIAMOND



PURPOSE

Disks diamond dental are intended for separation, contouring and cutting ceramics, metal ceramics, metals, solid plastics, gypsum, as well as the imitation of interdental spaces, preparation, and final treatment of tooth hard tissues and filling materials.

FEATURES

Disk construction with holes and openings of different configurations allows:

- effectively remove the cutting products of the treatment area, significantly improving the review and the cooling of the processing area;
- create thin interdental spaces;
- separate with high accuracy not only ceramics but also metal, parts of small thickness.

PACKAGING

Disks of one type-size
Individual cell for disks

25 pc
5 pc

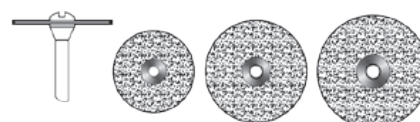
TWO-SIDED DIAMOND DISKS STANDARD



Diameter, mm	16	20	22
Thickness, mm	0,35	0,35	0,35



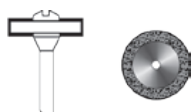
Diameter, mm	16	20	22
Thickness, mm	0,35	0,35	0,35



Diameter, mm	16	20	22
Thickness, mm	0,35	0,35	0,35

DISKS (STONES)
DENTAL DIAMOND

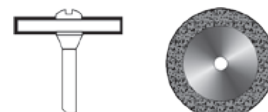
TWO-SIDED DIAMOND STONES STANDARD



Diameter, mm	9
Thickness, mm	4



Diameter, mm	12
Thickness, mm	4



Diameter, mm	16
Thickness, mm	4

LIQUID FOR CLEANING DIAMOND INSTRUMENTS (CONCENTRATE)

PURPOSE

Cleaning of small dental diamond instruments.

FEATURES

The liquid contains:

- EDTA salt which forms soluble complexes with calcium ions;
- centimonium bromide is a wide-spectrum antiseptic, cationic detergent;
- glutaraldehyde possesses an antimicrobial effect against gram-positive and gram-negative bacteria, viruses and fungi.

One cap of the concentrate is dissolved in 100 ml of water. The processed tools are soaked in the prepared solution for 5-10 minutes, after which the tools are taken out and rinsed with water. In case of high contamination, the solution should be replaced. Avoid contact with eyes and skin.



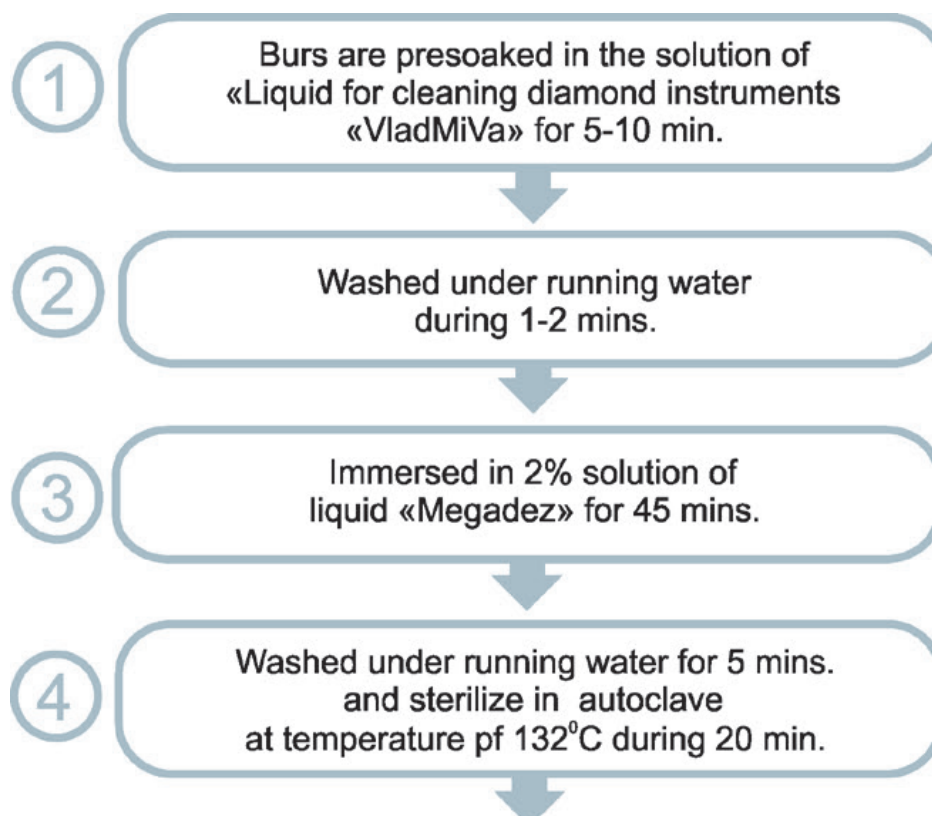
PACKAGING

Liquid

125 ml / 500 ml

ANALOGUES FOR USE
«Trappurol» - «Voco», Germany

SCHEME OF DISINFECTION AND PRESTERILIZATION PROCESSING OF DENTAL BURS WITH DIAMOND HEADS «ROSBEL»



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DENTAL COLLECTION

VLADMIVA

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DENTLIGHT

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AIR - CLEANS
BELAGEL - F
BELAGEL - CA/P
BELAK - F
BELAGEL - R
BELAGEL - O
BELSOL
DESENSIL
COLORDENT
COLOR - TEST
FISSULIGHT
FISSHIM
FTORASEPT
GLUFTORED
NANOFLUOR
POLIDENT

DEVITALIZING DOUGHS

DEVIT - ARS
DEIT - S
DEVIT - P
DEVIT - A

LIQUIDS AND GELS FOR TREATING ROOT CANALS

ANHYDRIN
BELODEZ
CRESODENT - LIQUID
ENDOZHY №1,2,3
ENDOCEL
ENDASEPT
PULPEVIT №1,2,3

BELOCOR
EODENT
QUICK - HARDENING
UNICEM
IZOLINE

AQUION
ARGECEM
CEMION
CEMILIGHT
CEMLINE
DENTLIGHT

CALCIUM CONTAINING TREATING MATERIALS

CALCESIL
CALCELIGHT
CALCETAT
CALCEVIT

HEMOSTATIC MATERIALS

ALVANES
ALUMOSIL
ALUMOGEL
CAPRAMIN
ENDOZHY №4
RE - CORD

MATERIALS AND FILLING ROOT CANALS

ARMODENT
CUPRODENT
EODENT LONG-HARDENING
PHOSPHADENT
RESODENT - VLADMIVA
SILDENT
STIODENT
TRIOXIDENT
TRICREDENT
TIEDENT
IODENT - HARDENING
VIEDENT

TREATIN PASTES

APEXDENT
CRESODENT - PASTE
IODENT - NON-HARDENING
OXIDENT
PULPODENT
PHOSPHADENT - BIO

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