

## EDETAL ENDO

### Gel (with foaming effect) for chemical enlargement of root canals

#### Composition

E.D.T.A. salt  
Foaming agents  
The water-soluble base  
Lubricating components  
Gelling agents

#### Indications

- to penetrate the narrow, curved and branched root canals;
- for the introduction of the material directly into the root canal;
- to facilitate mechanical treatment of the root canals;
- in preparation of inaccessible root canals for sealing, revealing the root canal orifices.

#### Benefits

- Specially selected liquid gel consistency makes it possible to enter the gel directly into the root canal through a thin needle of 0,3 mm;
- Kit contains flexible needles in two sizes - 0.4 mm and 0.3 mm, which allows penetration into curved and narrow root canals;
- Contains the lubricant of new generation that enhances the soft mechanical enlargement of the root canal;
- High concentration of EDTA allows the gel to conduct an effective softening of the walls of the root canal, reducing and lowering the excessive workloads and working time;
- Foaming components contribute to the removal of residual dentin chips from a root canal by irrigation with sodium hypochlorite solution.

#### Properties

For a more successful mechanical enlargement of root canals special gels are used. Their mechanism of action is in decalcification of the canal walls and the lubrication of endodontic instrument. The new formula "Edetal Endo" is a neutral liquid gel that is injected directly into the root canal before the mechanical treatment. The gel in a short time produces an effective chemical softening of the canal walls that helps to alleviate subsequent mechanical enlargement. Liquid consistency allows the gel to penetrate to the narrow, curved and branched root canals. Connecting with the mineral components of the tooth, "Edetal Endo" forms complex chelated compounds providing little resistance to mechanical stress.

The combined use of "Edetal Endo" with sodium hypochlorite solution provides the best cleaning effect. Liquid "Edetal Endo" dissolves inorganic residues in the root canal, while NaOCl – organic ones. The formation of foam helps more easy cleaning of the dentin chips from the root canal.

The material is non-toxic, harmless to periapical tissues, easy to use, allows for removal of residual devitalised pulp and dentin, providing that the mechanical root canal enlargement using endodontic instruments performed easily even in the narrowest canals.

#### Recommended use

Isolate the treated tooth. Put on the needle on the syringe, introduce "Edetal Endo" by squeezing into the root canal and leave for 1 minute. Start mechanical treatment of the root canal with chosen endodontic file in conventional manner.

"Edetal Endo" should be used in the early stages of endodontics in order to avoid possible canal wall perforation.

Alternately, it is necessary to irrigate the root canal with sodium hypochlorite solution and produce machining channel file blurred with gel. During irrigation with sodium hypochlorite will produce foam, helps to wash out the content from the root canal, making it easier to clean. After the end of the mechanical treatment the root canal should be thoroughly washed. "Edetal Endo" is well soluble in water, but it must be ensured that there is no remaining gel in the root canal.

**Never leave "Edetal Endo" in the root canal until the next visit of the patient!**

In conclusion, it is necessary to thoroughly dry the root canal using the liquid for drying and degreasing the root canals, and then you can proceed to further manipulation.

#### Package contents and storage

"Edetal Endo" is available in 3 endo syringes by 3 ml each plus 20 cannules of 0,3 mm (30G).

Keep in cool dry place. Avoid the direct sunlight and high temperature.

Shelf life is 3 years.