



Expert information

CALCINASE-slide

Manufacturer

CE 0124

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Name

CALCINASE-slide
Gel for root canal preparation
For dental use only

Composition

15 % disodium edetate in a water-soluble gel base

Indications

CALCINASE-slide Gel is used as a chelating agent in root canal preparation and serves as a lubricant for root-canal instruments.

Contra-indications

Allergy to disodium edetate
Wide open apical foramen

Side effects

When used correctly in the root canal, none known. If any substance gets over the apex, irritations of the periapical tissue will be possible.

Mode of application

CALCINASE-slide Gel is either applied to a mixing block or directly to the instruments. When handled, CALCINASE-slide Gel turns liquid, dissolves dentine by binding of calcium ions and thus facilitates smooth-walled canal preparation. At the same time, the gel serves as a lubricant for the instruments. The gel is rinsed out of the root canal with sodium hypochlorite solution every time the instrument size is changed. After the root canal has been prepared, it is finally rinsed out with an inert solution (e.g. physiological saline solution).

Further notices

CALCINASE-slide Gel contains 15 % disodium edetate. Disodium edetate is used for acid-free dentine dissolution as part of root canal preparation, and serves to remove smear layer, particularly in combination with sodium hypochlorite solution.

The binding of a calcium ion with a disodium edetate molecule forms a freely water-soluble and relatively stable chelate complex. As a result, apatite is dissolved, dental enamel is demineralised and softened, and any smear layer is removed.

The demineralising effect is dependent on time and is known to occur in wide (voluminous or gaping) root canals. Only a minimal effect, however, is to be expected in narrow root canals and the apical third of the root. Disodium edetate increases dentine permeability.

The effect of disodium edetate is self-restricting, demineralisation only continues until all of the disodium edetate molecules have bound their calcium ions.

Shelf life

CALCINASE-slide Gel should not be used after the expiry date.

Administrative form and package sizes

9 ml EDTA-Gel per tube

Date of revision

January 2010

Symbol of **Expiry date**



Symbol of **Batch number**



Symbol of **Pay attention to the directions for use**



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