



Expert information

CALCINASE EDTA-Solution

Manufacturer

CE 0124

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Name

CALCINASE EDTA-Solution
For widening root canals
For dental use only

Composition

Disodium edetate, sodium hydroxide, and purified water

Indications

For the finding and widening of root canals. For the removal of smear layer, harmful calcium deposits on sensitive instruments such as on the Airotor water nozzle, on the spray nozzle, and in the sieves.

Contra-indications

Allergy to disodium edetate
Wide open apical foramen

Side-effects

Side-effects have not become known when the substance is used as directed in the root canal. If the substance gets over the apex, irritations of the periapical tissue will be possible.

Mode of application

In the case of root canal openings, which are difficult to find, CALCINASE EDTA-Solution is to be instilled by means of a PROPA-pipette into the cavities of the lower teeth and to be introduced by means of a cotton wool pellet into the upper teeth. Within a few minutes, the canal openings will become detectable. In the case of too narrow root canals, the root canal must be rinsed with CALCINASE EDTA-Solution by means of a PROPA-pipette or a cotton wool thread soaked with CALCINASE EDTA-Solution must be introduced and then the root canal must be prepared with the one size larger root-canal file. The rinsing with CALCINASE EDTA-Solution and the further preparation must be repeated until the root canal is sufficiently reamed. To remove the smear layer developed in the course of the preparation, a large-volume rinsing of at least 1 minute in the

prepared root canal is necessary. An alternating rinsing with sodium hypochlorite solution is to be recommended.

In the case of a calcified Airotor water nozzle CALCINASE EDTA-Solution is filled by means of a PROPA-pipette directly into the emptied water nozzle until the liquid passes out of the nozzle of the angular head. Rinse again with water after 2-3 minutes. In obstinate cases help matters from the nozzle aperture with the thin wire added to each turbine.

Sieves and sensitive instruments are decalcified best by brushing with CALCINASE EDTA-Solution.

Further notices

CALCINASE EDTA-Solution contains 20 % of disodium edetate. Disodium edetate is used for the acid-free dissolution of dentine for the preparation of the root canal and serves the removal of the smear layer, especially in combination with sodium hypochlorite solution. One molecule of disodium edetate together with a calcium ion forms a freely water-soluble, relatively stable chelate complex. By this process, apatite is dissolved, hard tooth substance is demineralised, and the existing smear layer is removed. The demineralising effect is time-dependent, in wide (large-volume resp. widely prepared) root canals it is known, in narrow root canals and in the apical third part of the root only a small effect is to be expected. Disodium edetate increases the dentine permeability.

The effect of disodium edetate is self-limiting, i.e. the demineralisation lasts as long as all molecules of the disodium edetate have bound to their calcium ion. The chelate complex can migrate into the dentine and via the root canal into the periapical tissue, traces remain in the dentine.

Shelf life

CALCINASE EDTA-Solution shall not be used after the expiry date.

Administrative form and package sizes

50 ml Solution with 4 PROPA-pipettes (PROPA = 1 per patient)
PROPA-pipettes are available in packages of 20 and 40 each.

200 ml Solution

500 ml Solution

Date of revision

January 2010

Symbol of  Expiry date@



Symbol of  Batch number@



Symbol of  Ray attention to the directions for use@



0026301/Stückzahl0110/Bestelldatum