

# Calasept® Endoline

By DIRECTA

Directa's products are developed, tested and evaluated by our selected team of highly-qualified and renowned Swedish and international dental professionals with the aim of making life easier for the dental professionals in the daily clinical work.

"The original!"

CALASEPT®

Design By Dentists™

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2016-01

**CALASEPT® Plus**  
Calcium Hydroxide

**NEW NEW NEW**



**DIRECTA**  
directadentalgroup.com

## Calasept® Irrigation needles

Double side vent for efficient irrigation during root canal therapy

## Calasept® & Calasept® Plus

Calcium Hydroxide

## Calasept® Temp

Self curing paste for a reliable closing of the cavity

## Calasept® EDTA

Irrigation agent for root canal walls  
chelating and smear layer removal

## Calasept® CHX

For irrigation during endodontic treatment

## Calasept® Sodium

Disinfecting solution for endodontic  
irrigation during root canal treatment



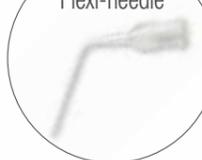


**CALASEPT® Plus 1U**  
1 syringe containing 1,5 ml CALASEPT Plus  
5 CALASEPT Plus Flexi-needles, luer lock  
Prod No 1240000

**CALASEPT® Plus 4U**  
4 syringes each containing 1,5 ml (2,2 g) CALASEPT Plus  
20 CALASEPT Plus Flexi-needles, luer lock  
Prod No 1240100

**CALASEPT® Plus Flexi-needles**  
100 CALASEPT Plus Flexi-needles, luer lock  
Prod No 1241100

Flexi-needle



Flexi-needle (autoclavable) in combination with the smooth consistency for precise and deep application.

## Benefits.

Long-lasting and very effective  
Direct, quick and easy application  
Optimal calcium release  
Five indications - only one product  
No drying out  
Use of Flexi-needle  
Precise and deep application  
Time saving

## Calasept® Plus Calcium Hydroxide

The new production process gives Calasept Plus a consistency that allows the calcium hydroxide to be applied using small and flexible plastic needle, Flexi-needle.

### FACT

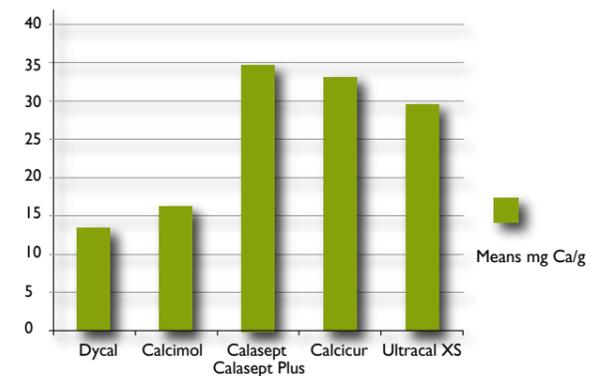
High concentration, >41%  
Pre filled syringe  
Pure calcium hydroxide  
Multi purpose  
Air tight syringe  
Smoother consistency  
Flexi-needle  
No lentulo needle

### COMPOSITION

Calcium hydroxide >41%  
Barium sulphate  
Sterile isotonic saline solution  
pH 12.4

### TEST:

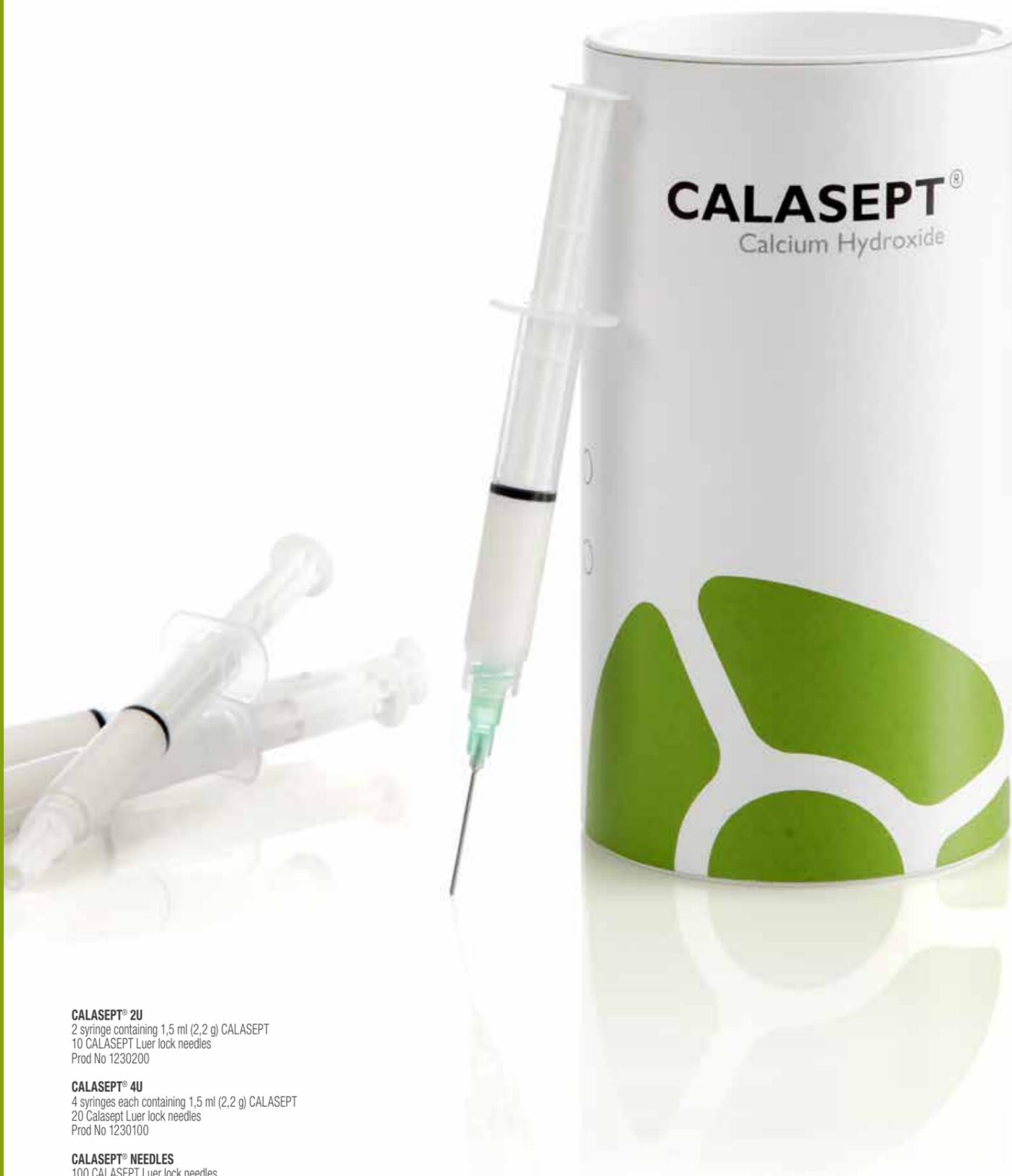
Determination of release of calcium ions by atomic absorption.



### Conclusions

A significant difference in release of calcium ions was observed between setting and pure materials. Calasept showed the highest quantity of calcium release. The values were obtained after 7 days, crucial time when closing a pulp, the values can vary due to draining of molecule content in this study.

Dr. Prof. Paz Alejandro  
University J.F. Kennedy Argentina, University La Plata.  
Argentina 2007/2008



## Benefits.

Long-lasting and very effective  
Direct, quick and easy application  
Optimal calcium release  
Five indications - only one product  
Air tight syringe

## Calasept® Calcium Hydroxide

Calasept has a very high content of calcium hydroxide (> 41%) giving a high concentration of hydroxyl ions. These generate the high PH value of 12.4 which has a pronounced bactericidal effect, i.e killing of bacteria.

High concentration of calcium hydroxide means long-lasting because the paste can release calcium ions for a long time.

Calasept is a ready-to-use paste in air tight syringes for direct application through the sterilized needles.

### FACT

High concentration >41%  
Pre filled syringe  
Pure calcium hydroxide  
Multi purpose  
No drying out

### COMPOSITION

Calcium hydroxide >41%  
Barium sulphate  
Sterile isotonic saline solution  
pH 12.4

**CALASEPT® 2U**  
2 syringe containing 1,5 ml (2,2 g) CALASEPT  
10 CALASEPT Luer lock needles  
Prod No 1230200

**CALASEPT® 4U**  
4 syringes each containing 1,5 ml (2,2 g) CALASEPT  
20 Calasept Luer lock needles  
Prod No 1230100

**CALASEPT® NEEDLES**  
100 CALASEPT Luer lock needles  
Prod No 1231100

# Calasept® Plus & Calasept® Calcium Hydroxide

Calasept Plus & Calasept are pure calcium hydroxides. The very high concentration of >41% in combination with optimal calcium ion release generates the extremely efficient and long-lasting bactericidal effect, i.e. killing bacteria. Calasept Plus & Calasept are radio-opaque.

Calasept is a ready-to-use paste in air tight syringe for direct application through the needle or Flexi-needle.

The air tight syringes eliminate the risk of incorporating air into calcium hydroxide turning the material into calcium carbonate. Calcium carbonate is not possible to re-wet into calcium hydroxide.

### INDICATIONS

- Temporary root-filling
- Pulp capping
- Pulp protection
- Insulation in deep cavities
- Stepwise excavation

### DID YOU KNOW?

Calasept has a bactericidal effect on carious dentine.

Calasept creates a defensive response promoting formation of hard tissue barriers.

Calasept stored in the refrigerator will not prolong shelf-life, only make the consistency thicker.

### Temporary root-filling



The radiograph of 35 with periapical osteitis.



3 months later the periapical radiolucency has been replaced with new bone promoted by the Calasept.

### Pulp capping

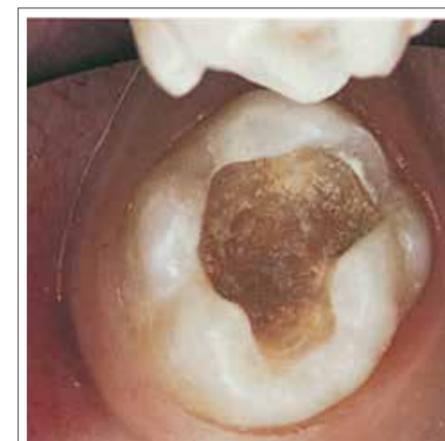


Two cavities after pulpotomy of two small lesions, showing haemostasis in the mesial, first prepared cavity (arrow) and cessation of bleeding in the distal cavity.



Appearance of hard-tissue barrier 3 months after pulpotomy.

### Stepwise excavation



After gross excavation, the deepest layer of carious dentine will be covered with Calasept.



After 6 weeks the cement was removed, Calasept washed away and the excavation of the carious dentin completed without pulp exposure.

**Benefits.**

Minimizes file fractures  
Increased adhesion to filling materials  
Easily flushed from the canal system  
Easy filling of syringe

## Calasept® EDTA

### Irrigation agent for root canal walls chelating and smear layer removal

Calasept EDTA is specially formulated to aid in the negotiation of root canals by endodontic instruments. The EDTA forms a water soluble chelate complex that decalcifies substances and dissolves smear layers, thereby increasing the adhesion of filling material. EDTA helps to enlarge and shape the canal for final obturation. For maximum effect, flush intermittently with EDTA and sodium hypochlorite.

Rinse the root canal thoroughly after use of EDTA. Calasept CHX is recommended for final rinsing.

**FACT**

Lubricating capacity  
Removes smear layer  
Water soluble  
Bottle neck with insert



Adaptor for easy filling of syringe



**CALASEPT® EDTA**  
Bottle containing 100 ml CALASEPT EDTA  
Prod No 1260100

**Benefits.**

Easy filling of syringe  
Bactericidal capacity  
Discontinued erosion of canal walls and EDTA

## Calasept® CHX

### For irrigation during endodontic treatment

During endodontic treatment, EDTA and sodium hypochlorite are used intermittently. In vitro studies have established that the chelating effect of EDTA is not limited by using sodium hypochlorite. Therefore irrigation with Calasept CHX solution prior to filling a canal with resin material is recommended.

In addition, the bactericidal capacity of Calasept CHX will reduce the amount of bacteria.

**FACT**

Stops the effect of sodium hypochlorite  
Chlorhexidine solution  
Bottle neck with insert



Adaptor for easy filling of syringe



**CALASEPT® CHX**  
Bottle containing 100 ml CALASEPT CHX  
Prod No 1270100

**Benefits.**

Reliable endodontic irrigation/debridement of root canals  
 For best outcome  
 Provides a wider selection

**Calasept® Sodium**  
**Disinfecting solution for endodontic**  
**irrigation during root canal treatment**

Calasept Sodium Hypochlorite is used for the irrigation and debridement of root canals during endodontic treatment. Calasept Sodium is most reliable to your endodontic irrigation due to its antimicrobial and tissue dissolving activity. It is an excellent choice to optimize successful debridement during instrumentation thanks to its efficiency against pathogenic organisms and pulp digestion.

**FACT**

Effective against pathogenic organisms and pulp digestion  
 Antimicrobial and tissue dissolving  
 Available in 3% and 6% solutions

**INDICATIONS**

Irrigation and debridement of root canals  
 Optimizes debridement during instrumentation  
 Removal of smear layer and inorganic substances



**CALASEPT® Sodium Hypochlorite**  
 Bottle containing 500 ml CALASEPT Sodium Hypochlorite 3%  
 Prod No 1290300  
 Bottle containing 500 ml CALASEPT Sodium Hypochlorite 6%  
 Prod No 1290600

**Benefits.**

Rapid self curing in the cavity  
 High adhesion to dentin  
 Outstanding marginal seal  
 Excellent resistance to chewing pressure  
 No irritation to pulpa or the gingiva  
 Simple to apply and easy to remove  
 Excellent adaptability

**Calasept® Temp**  
**Self curing paste for a reliable closing of the cavity**

Calasept Temp is a temporary filling that is ready to use and requires no mixing. The material is rapidly self curing in the cavity and has a high adhesion to dentin. This together with the resolution against chewing-pressure gives a very reliable closing of the cavity.

**COMPOSITION**

Zink oxide: 15%  
 Glycerine: 20%  
 Calcium sulphate – hemihydrate: 50%



**CALASEPT® Temp**  
 3 x 30g CALASEPT Temp  
 Prod No 1280000

## Irrigation Syringes

Luer lock syringes for irrigation in high quality, single use, 3 ml luer lock syringes. Colour-coded to eliminate the risk to mix up the irrigation liquids.

### FEATURES

- High quality 3-part syringe
- 3 ml
- Luer Lock
- Colour-coded



**Irrigation Syringes**  
 20 pcs Syringes  
 10 White and 10 Green  
 Prod No 1210000

## Calasept® Irrigation needles, double side vent

### For efficient irrigation during root canal therapy

With this high quality, double side vented, luer lock irrigation needle, you can be sure to get an effective and safe irrigation when performing an endo treatment. Easy and optimized to clean out the canals with the double side openings, creating a "swirl-effect". Safe with the rounded and closed tip, protecting apex.

### FEATURES

- With luer lock hub
- Double side vented
- Bendable
- High quality stainless steel
- Sterile and disposable
- Easy use for cleaning out the canals
- Container packed



**CALASEPT, irrigation needles, double side vent**  
 40 pcs needles, Container packed 27g  
 Prod No 1201600  
 40 pcs needles, Container packed 31g  
 Prod No 1201610