

# i-EDTA<sup>®</sup> Solution

Root Canal Preparation Solution



i-EDTA Solution is a water-based, neutral pH chelating agent designed for efficient root canal preparation. It removes the smear layer, a layer of debris, dentin particles, and biofilm that accumulates on root canal walls after mechanical instrumentation. By chelating the mineralized inorganic component of dentin, EDTA facilitates the elimination of smear layer residues and helps to open up dentinal tubules, improving the overall effectiveness of the root canal cleaning and sealing process.

To achieve the best results, it is always recommended to use EDTA sequentially with sodium hypochlorite (NaOCl). EDTA removes the inorganic smear layer, allowing NaOCl to effectively dissolve organic debris and necrotic tissue, ensuring optimal decontamination before obturation. The advanced luer-lock syringe system and special bottle connector ensure safe, controlled, and spill-free application, improving workflow efficiency for dental professionals.

## Clinical indications

Helps to clean, soften and widen the dentinal walls of the root canals

## Performance Characteristics

Neutral pH 7.83±0.01

## Key features

Neutral pH 7.83±0.01 ensures compatibility with dentinal surfaces and minimizes the risk of irritation

No liquid spillage with a luer-lock syringe system, ensuring safe and clean application

Water-based formulation easily reaches narrow apical areas and can be easily removed, providing excellent performance even in challenging cases

Custom-built syringe design ensures precise control and smooth motion during product use

Facilitates canal preparation by loosening calcific obstructions and aiding in the removal of debris, supporting effective root canal treatment

Special bottle connector eliminates the need for an adaptor as the syringe attaches directly to the bottle connector. The internal tube enables easy liquid transfer without inverting the bottle

## Packaging

CODE	CONTENT
IEDLP	50 ml bottle
IED250	250 ml bottle with special nozzle, 3 ml empty syringe

## Storage instructions

Keep product tightly closed in dry well-ventilated place at 4-28°C. Protect from direct sunlight and heat sources. Do not freeze. Keep out of the reach of children.

## Shelf life

3 years from the manufacturing date.

## Composition

- Diluent 80-85 %, Disodium EDTA 17 %
- Buffering agent > 1 %
- Emulsifying agent <1 %