

CanalPro[™]

Saves time and improves outcomes



CanalPro[™]

ENDODONTIC IRRIGATING SOLUTIONS

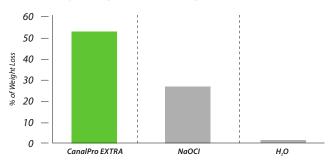
When it comes to irrigating, CanalPro Endodontic Solutions are your best choice for successfull treatment. We have engineered our endodontic solutions to minimize the time spent on irrigation, giving you the best approach to cleansing canals and the BEST OUTCOMES.



- and after instrumentation
- Available in 3% and 6% formula

3% 500 ml	REF 6001 9655
6% 500 ml	REF 6001 9656

'Comparison of Tissue Dissolution Capability at Room Temperature:



Results

Solution	1 1 1 1	CanalPro EXTRA	6 % NaOCI	H₂O
Tissue Weight	Before Treatment	79.78 ± 10.59	73.76 ± 6.10	62.18 ± 6.17
(mg)	After 5 minutes	37.52 ± 6.54	53.72 ± 7.01	61.88 ± 5.62
Percentage of Weight Loss (%±SD)		53.16 ± 2.60	27.25 ± 5.62	0.41 ± 1.10



CanalPro™ EDTA 17%

17% EDTA solution (pH 8.5)

- Removes smear layer and dentin mud
- Opens dentin tubules for:
 - Disinfection solutions (e.g. alcohol) to work better
 - Better adhesion of sealers and obturation materials

500 ml	REF 6001 9651
100 ml	REF 6001 9654



CanalPro™ CHX 2%

2% chlorhexidine digluconate solution

- Recommended for additional rinsing and during revisions
- Very effective against E. faecalis and fungi

500 ml	REF 6001 9658
100 ml	REF 6001 9659



CanalPro™ SyringeFill

Innovative, modular system for the safe and efficient filling of syringes with irrigation solutions.

- protects against contamination
- safe and clean dispensing
- time-saving one-hand use
- prevents loss of material

CanalPro SyringeFill Station

REF 6001 9661

- 1 × bottle holder incl. base
- 1 × CanalPro NaOCl 3%, 500 ml
- 3 × CanalPro SyringeFill Cap

CanalPro SyringeFill Holder

REF 6001 9667

- 1 × bottle holder
- 1 × CanalPro NaOCI 3%, 500 ml
- 3 × CanalPro SyringeFill Cap



CanalPro SyringeFill Cap

REF 6001 9662

«The sodium hypochlorite product with added surface active agent was the most effective in tissue dissolution at all concentrations and temperatures.»

Source: Journal of Endodontics September 2010; Stojicic S, Zikovic S, Qian W, Zhang H, Haapasalo M

Color Syringes

- Help increase safety and minimize the chance of syringe swap
- Latex-Free, color-coded syringes offer a fast, easy way to organize and identify syringes for irrigants and solutions
- Standard luer lock style



Color Syringes 50 syringes/box	10 ml	5 ml
Red	REF 6001 1173	REF 6001 9321
Blue	REF 6001 1174	REF 6001 9322
Yellow	REF 6001 1175	REF 6001 9323
White	REF 6001 1176	REF 6001 9324

'Comparison of Tissue Dissolution Capability at Room Temperature: NaOCI EXTRA

Tissue dissolution by sodium hypochlorite: effect of concentration, temperature, agitation and surfactant addition

Haapasalo M. Division of Endodontics, Department of Oral Biological and Medical Sciences, University of British Columbia, Vancouver, Canada.

gant due to its antimicrobial and tissue dissolving activity. The aim of this study was to evaluate and compare the effects of concentration, temperature and agitation on the tissue dissolving ability of sodium hypochlorite. In addition, a hypochlorite product with added surface active agent was compared with conventional hypochlorite solutions. Methods: Three sodium hypochlorite solutions from two different manufacturers in concentrations of 1%, 2%, 4% and 5.8% were tested at room temperature, 37°C and 45°C with and without agitation by ultrasonic and sonic energy and pipetting. Distilled and sterilized tap water were used as controls. Pieces of bovine muscle tissue (68±3) were placed in 10 ml of each solution for five minutes. In selected samples, agitation was performed for one, two or four 15 sec periods per each minute. The tissue specimens were weighed before and after treat-

Aim: Sodium hypochlorite is the most commonly used endodontic irri-

Results: Weight loss (dissolution) of the tissue increased almost linearly with the concentration of sodium hypochlorite. Higher temperatures and agitation considerably enhanced the efficacy of sodium hypochlorite. The effect of agitation on tissue dissolution was greater than that of temperature, continuous agitation resulting in fastest tissue dissolution. Hypochlorite with added surface active agent was most effective in tissue dissolution in all experimental situations.

ment, and the percentage of weight loss was calculated.

Conclusions: Optimizing the concentration, temperature, flow and surface tension can improve the tissue dissolving effectiveness of hypochlorite even 50-fold.

J Endod. 2002 Jul;28(7):501-2.

The demineralizing effects of EDTA at different concentrations and pH.

Serper A, Calt S.
Department of Endodontics, Faculty of Dentistry,
Hacettepe University, Ankara, Turkey.

The purpose of this study was to compare the effects of concentration and pH variations of EDTA on dentin demineralization. Twenty extracted, human permanent teeth with single canals were used in this study. Demineralizing effects of EDTA solutions at 10% and 17% concentrations at pH 7.5 and 9.0 were determined by measuring the amount of liberated phosphorus 1, 3, 5, 10, and 15 min after exposure. The results showed that the amount of phosphorus liberated from dentin was greater with increased EDTA concentration and increased time of exposure, and it was more effective at neutral pH than pH 9.0. The pH of the EDTA solutions did not display any significant alterations during the demineralization process.

PMID: 12126374 [PubMed - indexed for MEDLINE]

J Endod. 2009 Jan;35(1):95-7. Epub 2008 Nov 7.

Antimicrobial susceptibility of monoculture biofilms of a clinical isolate of Enterococcus faecalis.

Williamson AE, Cardon JW, Drake DR.
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The purpose of this study was to create a monoculture biofilm of a clinical isolate of Enterococcus faecalis and to determine susceptibility against four antimicrobial irrigants. Biofilms were subjected to 1-, 3-, and 5-minute exposures to one of the following irrigants: 6% sodium hypochlorite (NaOCI), 2% chlorhexidine gluconate (CHX) or one of two new products, <6% NaOCI with surface modifiers (Chlor-XTRA) or 2% CHX with surface modifiers (CHX-Plus) (Vista Dental Products, Racine, WI). It was hypothesized that NaOCI and CHX would be equally effective and that addition of surface modifiers would improve bactericidal activity of the respective irrigants compared to the original formulations. Results indicate that 6% NaOCI and Chlor-EXTRA were significantly superior against E. faecalis biolifilms compared to 2% CHX and CHX-Plus at all time points except five minutes.

J Endod. 1987 Apr;13(4):147-57.

A scanning electron microscopic evaluation of four root canal irrigation regimens.

Baumgartner JC, Mader CL.

A scanning electron microscope was used to evaluate the debridement capabilities of four irrigation regimens on both instrumented and uninstrumented root canal surfaces. A typical smear layer was seen on the instrumented surfaces of specimens irrigated with saline and NaOCI. EDTA demineralized much of the smear layer from the instrumented surfaces and exposed the orifices of some of the underlying dentinal tubules. NaOCI removed all pulpal remnants and predentin from the uninstrumented surfaces of the root canal while EDTA and saline left pulpal remnants and predentin on the uninstrumented surfaces. The combination of NaOCI and EDTA used alternately completely removed the smear layer from the instrumented root canal surfaces as well as the pulpal remnants and predentin from the uninstrumented surfaces. In addition, the combination of NaOCI and EDTA caused the exposed calcospherites on the uninstrumented surfaces to have an eroded appearance.

PMID: 3106553 [PubMed - indexed for MEDLINE]

CanalPro[™]

ENDODONTIC IRRIGATION SYSTEM

Your best choice for improving outcomes. Coltène/Whaledent brands represent experience in providing essential and reliable endodontic products and materials that are clinically proven to ensure successful endodontic therapy.



CanalPro Slotted-End Tips

- Ideal for irrigation of canals, pockets and fistulas
- Slotted and side-vented

27 ga, 0.4 mm, 100/bag	REF 6001 1167
30 ga, 0.3 mm, 100/bag	REF 6001 1168



CanalPro Side-Port Tips

Closed end for side port delivery

27 ga, 0.4 mm, 100/bag	REF 6001 1169
30 ga, 0.3 mm, 100/bag	REF 6001 1170



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