

VISTA APEX CHX

> VISTA AFEX Chlor-XTRA

EDTA

Sodium Hypochlorite

IRRIGATION SOLUTION GUIDEBOOK

Leverage Vista Apex's Irrigation Solutions to maximize more effective outcomes for your patients.

CHX-Plus

Smear OFF

THE PURPOSE OF IRRIGATION

As a leader in endodontic irrigation, Vista Apex provides innovate solutions to thoroughly cleanse even the most difficult anatomy. Vista Apex's line of enhanced irrigants and delivery systems, paired with ultrasonic activation, offer a simple effective irrigation protocol.

A research study^{*} by Dr. Ove Peters illustrated that conventional hand instrumentation leaves approximately 35% of the canals untouched.

RED - areas that have not been treated with endodontic instruments and remain infected.

BLUE - areas after preparation that have been treated by hand or rotary instruments. Nickel titanium and stainless-steel instruments leave a sufficient amount of the canal covered in smear layer, leaving the canals populated with bacteria and debris.



Selecting the Right Tip

Whether you need side venting of irrigants for extra control, or side-port delivery for sensitive areas, we have the Irrigating Tips you need in a variety of gauges and quantities!

Appli-Vac

Slotted and side-vented for safe irrigation

Vista-Probe Irrigating Tips

Closed-end tip for side-port delivery, the lateral delivery of irrigants reduces apical pressure

CanalClean Irrigation Kit

Save time, save money. Through research and testing, Vista has developed it's CanalClean[™] 2S Irrigation Kits to provide EXACTLY what Endodontists need for improved outcomes in cleansing root canals.

Offers everything needed for optimal canal cleanliness, in a convenient 2 solution kit. Saves you time, eliminating the need for

EDTA, CHX, and a rinsing agent! Chlor-XTRA[™] and SmearOFF[™] are 100% compatible and WILL NOT form a precipitate when mixed, making irrigation simple & predictable.

The kits are convenient and easy-to-use, and COST NO MORE than buying individual components.



LanaiClean[®] Irrigation Kit

Kit Options

504700-2

Standard Kit

- 1 x 12cc Chlor-XTRA™ (6% NaOCI)
- 1 x 6cc SmearOFF[™] 2-in-1
- 2 x 30ga Appli-Vac™ side-vented irrigating tips
- 1 x Micro Aspirator with tip



Kit Options

503825-2 Chlor-XTRA[™] 3mL Prefilled Syringes

10 x 3mL pre-filled syringes

• 10 x Appli-Vac™ 27ga side-vent irrigating tips

503850-2 Chlor-XTRA[™] 12mL Prefilled Syringes

- Chlor-XTRA™
- 10 x 12mL pre-filled syringes
 10 x Appli-Vac[™] 27ga side-vent irrigating tips

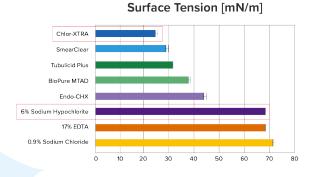
503800-2 Chlor-XTRA[™]

• 1 x 16oz. (480mL) bottle

Chlor-XTRA[™]

This 6% Sodium Hypochlorite formula, enhanced with powerful wetting agents and propriety surface modifiers, penetrates into lateral canals and isthmuses by lowering the surface tension. This more powerful oxidizing agent is over 2 times thinner than standard Sodium Hypochlorite and 2 times more digestive.

ADA Professional Product Review

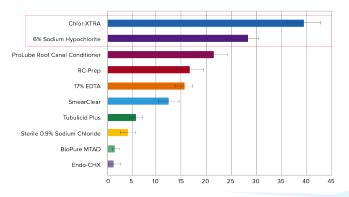


Clinically Proven To:

- Work 4X FASTER than ChlorCid^{®*}
- REDUCE post-treatment complications
- IMPROVE contact and dissolve more tissue
- INCREASE lubricity
- DECREASE surface tension

ADA Professional Product Review

Percent Tissue Weight Loss in Five Minutes



Chlor-XTRA is statistically significantly better at dissolving tissue than 6% Sodium Hypochlorite

Save Time, Irrigation Solution, and Money with the Luer-Lock Bottle Cap

Conventional solution bottles trap a significant amount of material inside, sometimes causing more material to be wasted in the bottle than is used clinically. With the Luer Lock Bottle Cap, syringes can be filled efficiently while avoiding splatter and spills. This method transfers solutions directly from the bottle to a syringe without waste resulting in saving time and money.



Simply attach any standard Luer-Lock syringe to the cap and draw the volume you need directly from the bottle.



Kit Options

317111-2

317112-2 SmearOFF[™] 2-in-1 • 1 x 4oz. (120mL) bottle

> **SmearOFF™ 2-in-1** • 1 × 16oz. (480mL) bottle

SmearOFF[™] 2-in-1

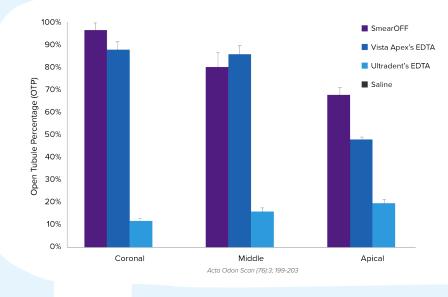
• Proprietary EDTA/CHX mix with wetting agents and surface modifiers

• Optimizes smear layer removal

• NO RINSE NEEDED - Will not form a precipitate when used with NaCOI

- Superior chelation compared to 17% EDTA
- Low surface tension for enhanced penetration into dentinal tubules

	Removes Smear Layer	Kills Bacterial Incl. E. Faecalls	2-in-1 Solution	480mL Bottle	Irrigation Procedure	Precipitate When Mixed Directly with NaOCI	Cost/mL
SmearOFF [™]	х	x	x	x	2 Step	Νο	\$0.16 /mL
Qmix [®] Brand	х	х	х	х	3 Step	Yes	\$0.31/mL
Irritrol [®] Brand	×	х	х	х	3 Step	Yes	\$0.17/mL



SmearOFF™ is more effective at smear layer removal than EDTA

Vista's EDTA 17% is more effective than Ultradent's EDTA 18% (due to pH differences; 8.5 vs 11.4, respectively)

For best outcomes, our patented 2-in-1 mix effectively replaces two commonly used solutions: EDTA and CHX.

SmearOFF[™] removes inorganic debris and facilitates flushing of canal debris!

Study A. J Endod. 2017 Aug;43(8):1354-1359



EDTA - 17% Solution

• Removes smear layer and dentin mud Prepares dentin walls for better ADHESION of filling materials

- Opens dentin tubules
- Enhances cleansing
- Specifically engineered with LOWER pH for optimal performance

EDTA - 17% Solution

As pH increases, the availability of calcium ions from hydroxyapatite for chelation decreases. A study (see Study A on previous page) using concentrations of alkaline (pH 11.3) solutions of EDTA showed them to be less effective in removing the smear layer.

	Kit Options
Sector Hyperclark with the sector at at at a	317018-2
	317008-2
Sodium Hypochlorite	502355-2

317018-2	Sodium Hypochlorite 3% • 1 × 16oz. (480mL) bottle
317008-2	Sodium Hypochlorite 6% • 1 x 16oz. (480mL) bottle
502355-2	 Sodium Hypochlorite 3% 3mL Syringe 10 x 3mL prefilled syringes 10 x 27ga Appli-Vac[™] side-vent irrigating tips
502350-2	 Sodium Hypochlorite 6% 3mL Syringe 10 x 3mL prefilled syringes 10 x 27ga Appli-Vac[™] side-vent irrigating tips
502315-2	 Sodium Hypochlorite 3% 12mL Syringe 10 x 12mL prefilled syringes 10 x 27ga Appli-Vac[™] side-vent irrigating tips
502300-2	Sodium Hypochlorite 6% 12mL Syringe • 10 x 12mL prefilled syringes

• 10 x 27ga Appli-Vac™ side-vent irrigating tips

Sodium Hypochlorite

EDTA - 17% Solution

• 1 x 16oz. (480mL) bottle

Kit Options

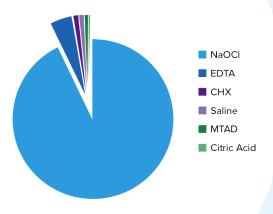
317011-2

	 Used for irrigation and debridement of root canals during and after instrumentation
	• Provides tissue dissolution and disinfection
	Pharmacy controlled, dental indicated
	NaOCI to ensure consistency and safety
ringe	Available in 3% or 6% concentrations
rrigating tips	
ringe	Sodium Hypochlorite (NaOCI)
linge	naturally degrades due to exposure
rrigating tips	to light, oxygen, heat, and metals. If
	the concentration is too low, it is not
yringe	effective.
rrigating tips	

	Over-the-Counter NaOCl	Vista Apex NaOCI
Pharmacy-controlled for Consistency & Safety	NO	YES
Verified Concentration	NO	YES
Quality Controlled	NO	YES
Dissolves Pulpal Tissue	UNKNOWN	YES
Validated Shelf Life & Expiration Date	NO	YES
Intended for Clinical Use	NO	YES

*If NaOCI concentration is too low, there is a reduction in pulpal tissue dissolution and antibacterial properties





CHX Restorative

2% chlorhexidine gluconate solution used as a final rinse after instrumentation to irrigate and cleanse the root canal system



Kit Options

317010-2

CHX Restorative1 x 16oz. (480mL) bottle

CHX-Plus[™]

Kit Options

503900-2 CHX-Plus™ • 1 x 16oz. (480mL) bottle

CHX Plus[™]

• 2% Chlorhexidine Gluconate (CHX) enhanced with powerful wetting agents and proprietary surface modifiers

• Added surfactants lower surface tension, improving depth of penetration

• Promotes adhesion of sealers and obturation materials

Patented & Clinically proven to outperform standard CHX solutions

• Improved effect on cleansing and removing of biofilms

• Synergistic effect of engineered irrigants with ultrasonic activation2

• Superior purifying properties on multispecies biofilm3

2

4

6

Biofilm Age in Weeks

8

100% 90% 80%

70%

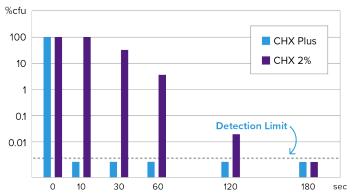
60%

50%

40% 30% 20% 10% 0%

0

Percent of Biofilm Alive



Killing of Planktonic E. faecalis

CHX-Plus 10 min
CHX-Plus 3 min
2% CHX 10 min
2% CHX 3 min
2% CHX 3 min
No Treatment

12

10

Mature biofilms are more resistant to CHX, however CHX-Plus treatment for 3 and 10 minutes did not lose effectiveness