

Less is **MORE**

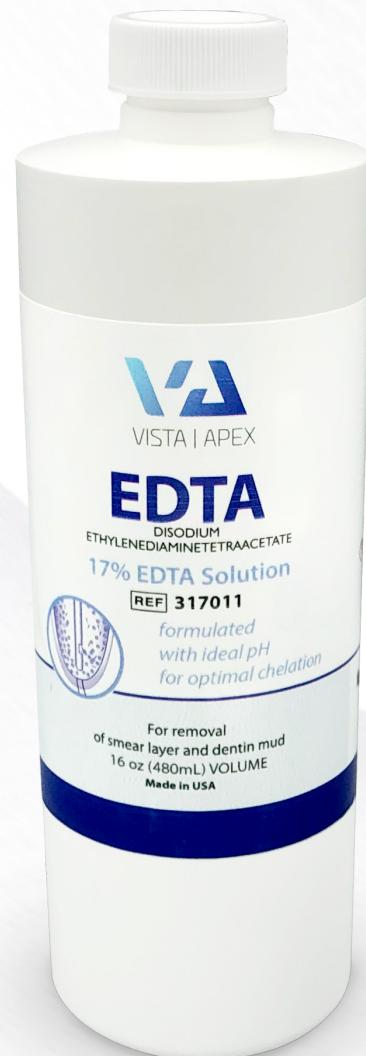
Lower pH = MORE Effective Outcomes

Lower pH is critical to performance and
MORE important than concentration*

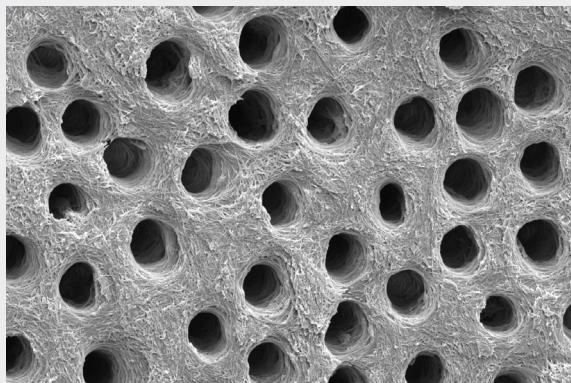
Vista Apex 17% EDTA Solution

- + Prepares dentin walls for better adhesion of filling materials
- + Opens dentin tubules
- + Removes smear layer and dentin mud
- + Enhances cleansing

Compare	Vista Apex	Ultrudent®**
pH Level	8.5	11.56
Concentration	17.0%	18.0%

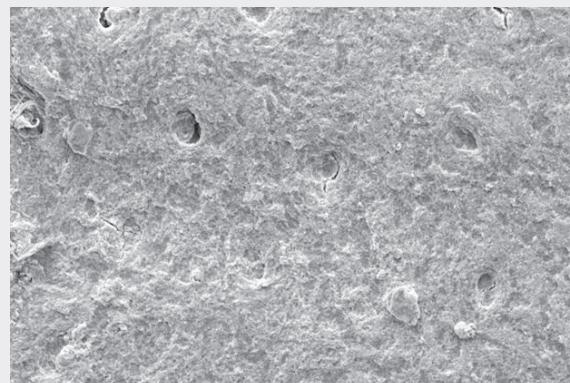


Smear Layer Removal SEM



Profound (EDTA1 2 min coronal)

Vista Apex
17% EDTA
8.5 pH



Minimal (Ultrudent)

Ultrudent®**
18% EDTA
11.56 pH

*Study Data:
Nikiforuk G, Greenby L. Demineralization of hard tissues by organic chelating agents. *Science* 1951;114:560 Cury JA, Bragotto C, Valdighi L. The demineralizing efficiency of EDTA solutions on dentin. I. Influence of pH. *Oral Surg Oral Med Oral Pathol*. 1981 Oct; 52(4): 446-8 O'Connell MS, Morgan LA, Beeler WJ, Baumgartner JC. A comparative study of smear layer removal using different salts of EDTA. *J Endod*. 2000 Dec; 26(12): 739-43 Serper A, Calt S. The demineralizing effects of EDTA at different concentrations and pH. *J Endod*. 2002 Jul; 28(7):501-2 Obst JJ. Chelation and dentistry: conceptual orientation. *NY J Dent* 1962; 30:331-5

**Ultrudent® is a registered trademark of ULTRADENT Products, Inc.