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CeraSeal

Calcium Silicate-based
Bioceramic Root Canal Sealer

Superb Biocompatibility

Calcium silicate-based CeraSeal provides optimal biocompatible environment to tissues in the root canal. It is obviously the next generation bioceramic-sealer which has excellent sealing ability and biocompatibility





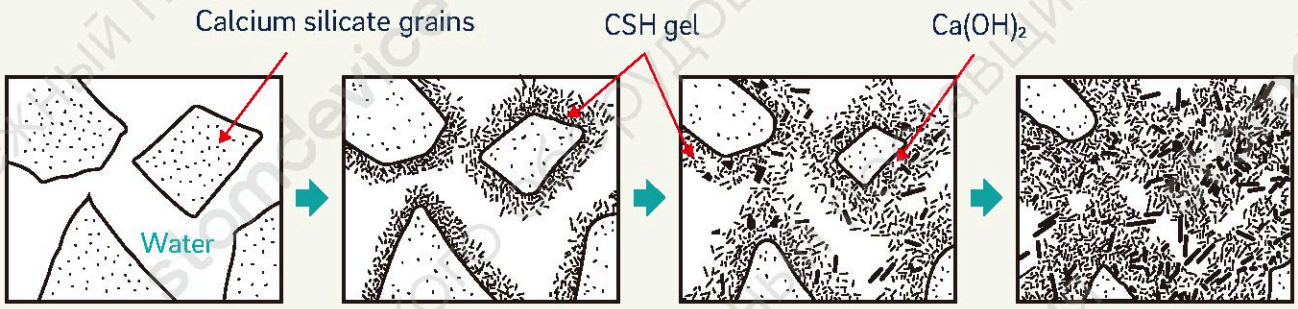


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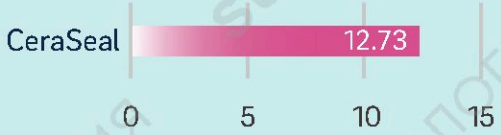
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It's Calcium Silicate!

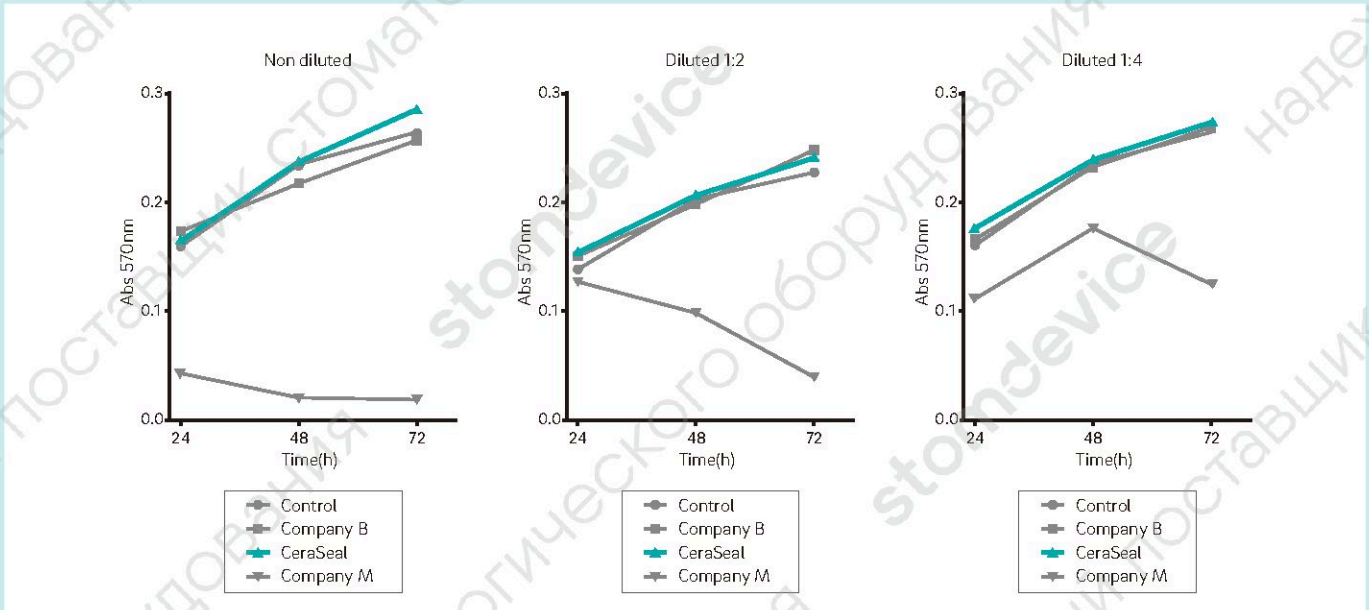


Calcium silicate produces CAH(Calcium Aluminate Hydrate) gel and CSH(Calsium Silicate Hydrate) gel by absorbing the moisture from surrounding tissues in the root canal and some crystallization of Calcium Hydroxide ($Ca(OH)_2$)

Anti Microbial, High Biocompatibility



Thanks to Calcium Hydroxide ($Ca(OH)_2$)'s high pH, it has an antimicrobial action that eliminates the bacteria present in the root canal.



Cytocompatibility, bioactivity potential, and ion release of three premixed calcium silicate-based sealers, 2019
By Rodriguez-lozano F.J. et al

This test result shows that even if CeraSeal has high pH(12.73), it has the excellent biocompatibility. So it's harmless to human body, also it has excellent biocompatibility understandably.

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Perfect Sealing Ability

Moisture in the dentinal tubules and Calcium Silicate's chemical reaction produce crystallization of Calcium Hydroxide. Thanks to its reaction, CeraSeal is perfectly and fully hermetic in the root canal and prevents from the propagation of bacteria.

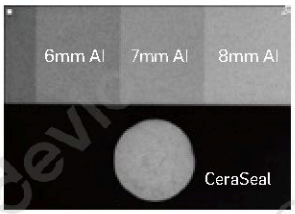


No shrinkage, Nor Expansion

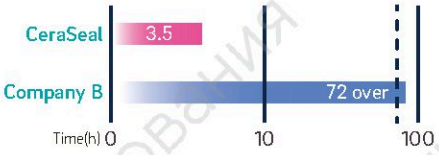
CeraSeal never shrinks in the root canal. In addition, it also doesn't expand.
So it prevents from bacteria and odontoclasis by still keeping its volume in there.
Therefore, one cone technique obturation also can be done.

Be the Professional with CeraSeal

- Excellent Radiopacity : 8mm Al



- Setting Time : Shorter than any others.
  Therefore it helps to prevent from wash-out phenomenon



The wash-out phenomenon can happen if the MTA or MTA based sealer is not sufficiently cured or the exudate is produced in the root canal. Therefore, the wash-out phenomenon means that the root canal sealer is washed away by physical forces. CeraSeal doesn't induce this situation by curing absolutely faster than any others.



- Easy to Use
  It's premixed sealer.



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Clinical Cases :




Before After

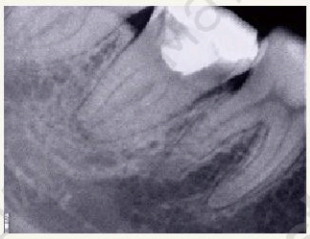
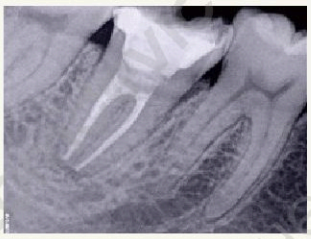
Courtesy of Dr. Walter Vargas Obando





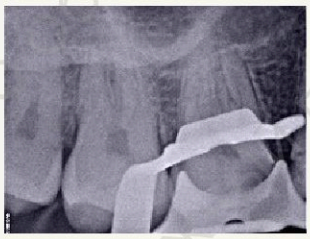
Before After After 10 month

Courtesy of Dr. Talal Al-Nahlawi

Before After

Courtesy of Dr. Jenner O. Argueta




Before After

The Picture of Page1 : Courtesy of Dr. Talal Al-Nahlawi

Physical Properties

Setting Time	3.5 h
pH	12 <
Radiopacity	8mm <

Components

CeraSeal	Pre-mixed syringe x 1EA (2g) Intra canal tips x 10EA

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DO-054-3

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