

Colgate Total®

Extend your professional care

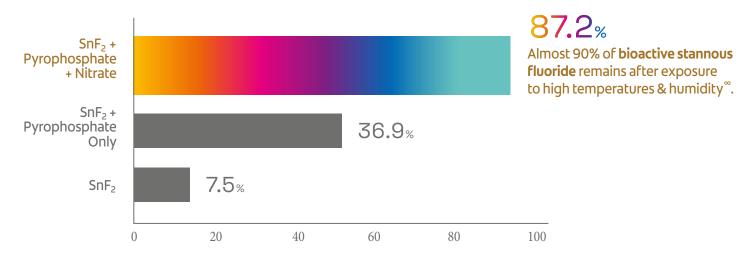


Designed in collaboration with dental professionals, Colgate Total is at the forefront of **ACTIVE PREVENTION**

NEW Formulation optimised for peak perfomance, with a novel combination of ingredients, delivering:



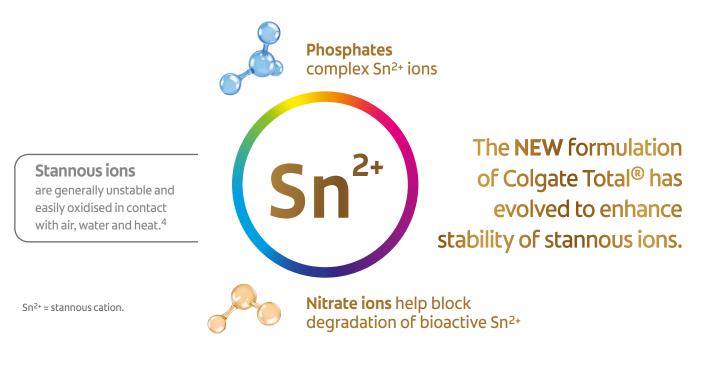
Prevention technology providing high level of bioavailable stannous[®]



[∞] Soluble stannous measured via aqueous simple solutions of the ingredients after 2 weeks accelerated aging at 60°C



NEW uniquely stabilised stannous fluoride formula





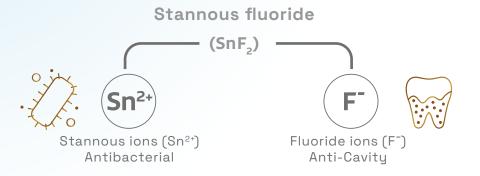
Scan to explore the science of Colgate Total and see demonstrations of its superiority

The role of stannous fluoride

Stannous fluoride oral care compositions are widely used as antimicrobial agents.^{1,2}

Stannous ions and **fluoride** ions have **complementary** properties in preventing many common oral care issues.³

- Stannous ions are bacteriostatic and exhibit bactericidal activity
 - Fluoride ions have a cariostatic effect



¹ Kirsch J, et al. Influence of pure fluorides and stannous ions on the initial bacterial colonization in situ. Sci Rep. 2019;9(1):18499.

² Gumber HK, et al. Effect of a Stannous Fluoride Dentifrice on Biofilm Composition, Gene Expression and Biomechanical Properties. Microorganisms. 2022;10(9):1691. ³ Kruse AB, et al. Long-Term Use of Oral Hygiene Products Containing Stannous and Fluoride Ions: Effect on Viable Salivary Bacteria. Antibiotics (Basel). 2021;10(5):481.

⁴ Dorn RW, et al. Structural characterization of tin in toothpaste by dynamic nuclear polarization enhanced 119Sn solid-state NMR spectroscopy. Nat Commun. 2023;14:7423.



The Colgate Total[®] preventative oral care system works better together than a regular toothpaste plus brush



* Reduction in bacteria, after 4 weeks of twice daily use.

* Antibacterial protection after 2x daily (every 12 hours) brushing with 4 weeks continued use.

^{*} Common oral issues caused by bacteria buildup such as cavities and tartar. Bacterial plaque reduction vs. non-antibacterial fluoride toothpaste and regular brush, with 1 week continued use.

* 2x daily (every 12 hours) brushing with 4 weeks continued use.

⁺ In a clinical study, the test group used a full regimen of Total Active Prevention products versus a non-antibacterial toothpaste and an ordinary flat trim toothbrush.

⁺ Based on clinical study with 40 patients using Colgate Total, 100% of patients achieved improvement in gingivitis index from baseline after using Colgate Total Toothpaste, Mouthwash and Toothbrush, twice daily for 3 weeks.