

# INVESTIGATION OF TRICLOSAN RETENTION AND DENTAL PLAQUE VIABILITY WITH A TRICLOSAN/PVM/MA COPOLYMER MOUTHRINSE IN A THAI POPULATION

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**Abstract.** This investigation studied triclosan retention and plaque viability in a group of healthy human subjects from Bangkok, Thailand, 12 hours after using a mouthrinse containing a triclosan/PVM/MA copolymer system. The results show the retained triclosan in the dental plaque was with in or higher than the minimum inhibitory concentration (MIC range 0.27-6.25 µg/ml), indicating the triclosan in this product remains at an effective concentration in dental plaque. The 12-hour post-application evaluation demonstrated only 36.5% viability of oral bacteria in dental plaque after a one-time use of the mouthrinse. This study shows the benefits of using a mouthrinse containing a triclosan/PVM/MA copolymer system for providing 12 hours long-lasting anti-bacteria and dental plaque control.

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