

How does Fuzion™ work?



Bottle design

Clorox Healthcare® Fuzion™ Cleaner Disinfectant is delivered via a dual-chamber trigger spray bottle. The first chamber holds a **3900 PPM bleach solution** (sodium hypochlorite). The second chamber has a **neutralizer** that consists of surfactants, a Self-Limiting Activated Sodium Hypochlorite (SLASH'ing) agent and a mild fragrance.

When the trigger spray is activated, the two components come together to form hypochlorous acid, **killing *C. difficile* spores in 2 minutes.**



Why are two chambers needed?

When the neutralizer and the sodium hypochlorite combine to form hypochlorous acid, the neutralizer begins to break down the bleach active. This reaction is what reduces residue, odor and any potential long-term damage to surfaces or equipment. However, the hypochlorous acid needs to remain active on the surface for 2 minutes in order to achieve sporicidal efficacy. The neutralizing process is complete within 4–6 minutes — long enough for the contact time to be reached, but quickly enough to deliver Fuzion™'s aesthetic benefits.

Tested for accurate mixing

The Fuzion™ bottle is designed to deliver the appropriate mixture of the solutions to disinfect within 2 minutes. Every time the trigger is pulled, both pumps fully actuate to deliver equal volumes of neutralizer and bleach active. The high-quality engines in the trigger sprayer deliver an output variance of less than 2%, verified by independent laboratory dose testing.

Clorox Healthcare has tested the efficacy of the Fuzion™ solution under a wide range of active/neutralizer concentrations. The maximum variance allowed to maintain sporicidal efficacy is 15%, far above any variance observed in laboratory and internal testing of the trigger spray bottle.