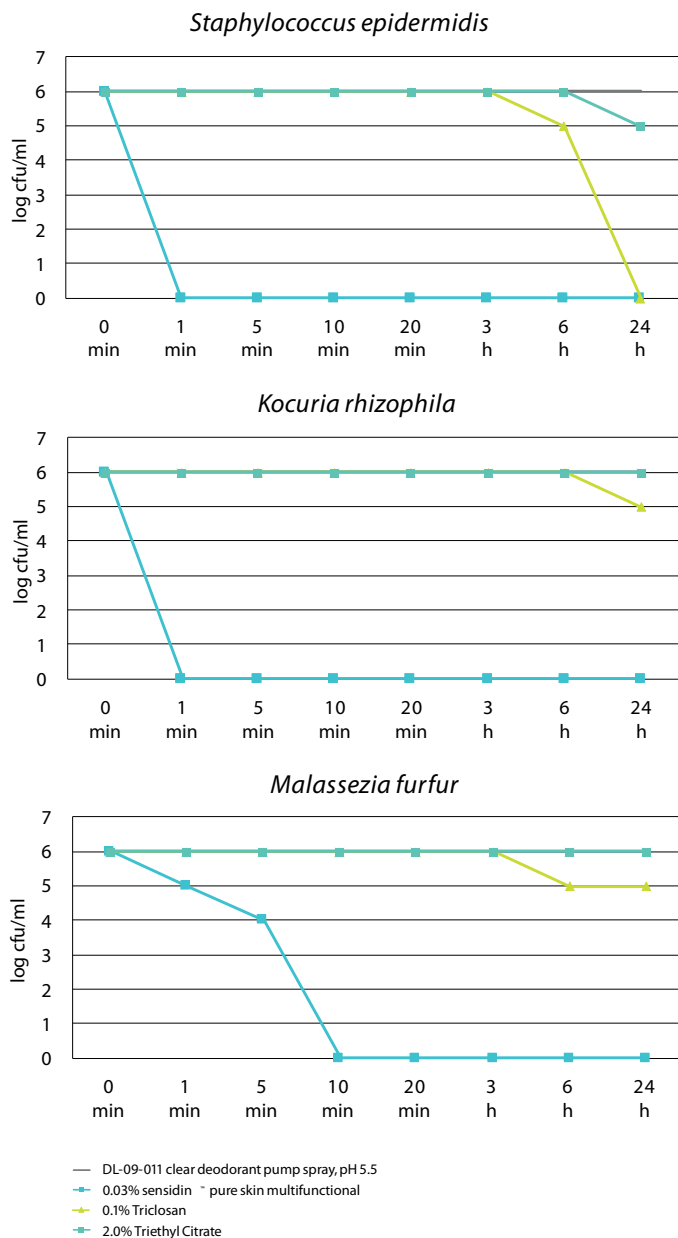


Figure 1 – Germ Count Reduction Test Results



Viniferamine Odor Control

Octenidine HCl is a multifunctional deodorant active ingredient with well-documented antimicrobial properties, delivering rapid, potent activity against odor-causing microorganisms. Within the Viniferamine® formulation, Octenidine HCl is incorporated to help reduce microbial populations that contribute to unpleasant skin odors associated with perspiration, incontinence, and other moisture-prone skin conditions. By rapidly inhibiting the growth and multiplication of odor-causing bacteria, the ingredient helps interrupt odor formation before it becomes noticeable while remaining gentle to the skin.

Unlike many traditional deodorant technologies that mask odor with fragrance, Octenidine HCl targets the microorganisms responsible for odor generation. This targeted approach supports a cleaner skin environment while respecting the natural diversity of the skin microbiome. At low-use concentrations, Octenidine HCl has demonstrated rapid antimicrobial efficacy and excellent skin compatibility, making it well-suited for frequent use in long-term care, home care, and clinical settings where repeated skin cleansing and protection are essential. Supplier studies have also shown prolonged odor-control performance under normal use conditions.

Germ Count Reduction Test

In comparative germ count reduction studies, Octenidine HCl has been evaluated alongside established deodorant active ingredients, including triclosan and triethyl citrate. The results demonstrated exceptionally rapid antimicrobial activity against odor-causing bacteria, with significant reductions observed within the first minute of contact. Similar rapid activity has also been demonstrated against the lipophilic yeast *Malassezia furfur*, with substantial reductions occurring within 10 minutes. These findings illustrate the broad-spectrum activity of Octenidine HCl against microorganisms commonly associated with body odor.

For caregivers and healthcare professionals, effective odor control provides benefits that extend beyond patient comfort. Reducing odor can improve patient dignity, increase caregiver confidence during routine skin care, enhance the perception of cleanliness, and contribute to a more pleasant care environment for residents, families, and healthcare staff. When incorporated into the Viniferamine® Skin Care System, Octenidine HCl complements skin moisturization and barrier protection by helping maintain a cleaner, fresher skin surface while supporting healthy skin.

