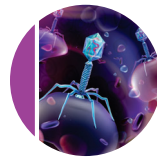
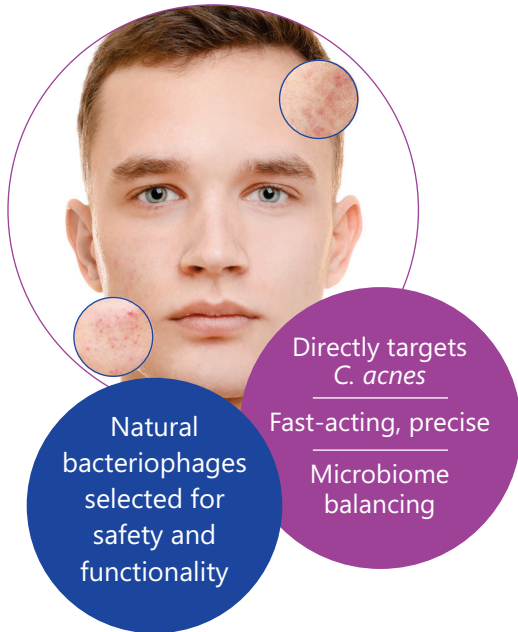


a combination of natural bacteriophages for balancing the microbiome of blemish-prone skin



DermaPhage® CA

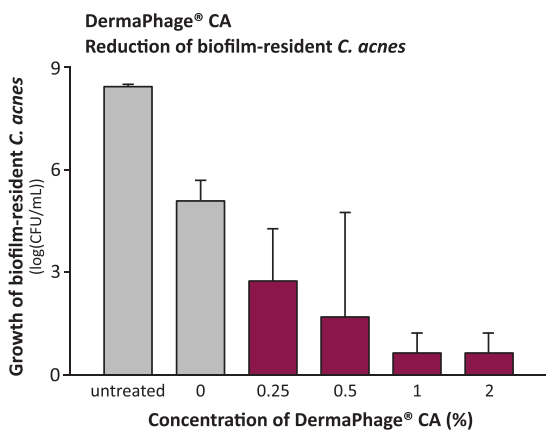


DermaPhage® CA is a unique bio-active designed to target a microbial culprit, *Cutibacterium acnes* (formerly known as *Propionibacterium acnes*), flare-ups of which are associated with inflammation and blemish-prone skin. First discovered in the 1910s, methods utilizing bacteriophages to precisely target bacteria for destruction are highly specific and fast-acting. DermaPhage CA is a potent cocktail of three lytic bacteriophages, highly specialized predators that attack *C. acnes* bacteria. The naturally occurring bacteriophages found in DermaPhage CA selectively diminish the overpopulation of problematic *C. acnes* to restore the natural balance and health of the skin microbiome.

Pathogenic strains of *C. acnes* contribute to blemished skin by expressing high levels of virulence factors, such as porphyrins, that stimulate sebum production and inflammation in the skin. Extensive bioassays demonstrate that DermaPhage CA safely and effectively controls *C. acnes* and associated inflammation while preserving beneficial microbes associated with a balanced, healthy skin microbiome. DermaPhage CA potently reduces the formation of pernicious *C. acnes* biofilms and the production of a major inflammatory mediator (IL-8) common in irritated skin. In clinical trials, DermaPhage CA visibly reduced the amounts of coproporphyrin III on the face, a telltale byproduct of *C. acnes*. By controlling the harmful *C. acnes* populations on the skin, DermaPhage CA addresses microbial imbalances to achieve a significant reduction in blemished features.



Over 20% reduction of *C. acnes*-associated coproporphyrin III after a 7-day DermaPhage® CA regimen



DermaPhage® CA reduces the growth of problematic *C. acnes* biofilms

Applications

- Face and body products
- Bedding and linen sprays
- Laundry detergents and additives

DermaPhage® CA
Product ID – R10127
Suggested Use Level – 0.5%-3%
water (and) *Cutibacterium acnes* bacteriophages (purposed INCI)



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