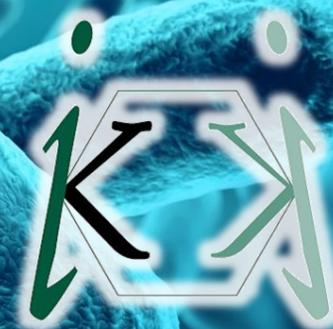


BATTERIKAL

Active complex vs pathogen bacteria
Microbiota care



Kalichem
a lamberti company

INCI NAME

Vegetable active complex
Balanced oils recipe to optimize anti-bacterial action
Specific activity against pathogens
Ideal for deodorant and anti-bacterial applications
Microbiota balance regulator and skin purifier
Active against dandruff, athlete's foot and gynecological pathogens
Support treatment vs acne



COMPOSITION

BALANCED ACTIVE COMPLEX

Copaiba balsam



Andiroba oil



Olive oil



Manuka oil



IN VITRO TEST

MIC TEST

The antimicrobial and antifungal activity of **BATTERIKAL** against seven common cosmetic contaminants was visually determined following the Minimum Inhibitory Concentration (MIC) methods.

The **MIC** value is the **lowest concentration of active that inhibits the visible growth of organisms after 48 hr for bacteria, 72 hr for yeasts, and 5 days for molds**. Microbial suspensions of single microorganisms were prepared in nutrient broths, and serial dilutions of the test samples were made in 96-well sterile micro-titer plates.

The wells were inoculated with a single culture and microbial suspension to reach a concentration of 10^6 cells/mL, then plates were incubated at 35°C for 48 hr for bacteria and at 25°C for 5 days for fungi.



MIC TEST

COLONY	ASSOCIATED ISSUES	MIC
Staphylococcus aureus	<i>Atopic dermatitis</i>	1.0 %
Cutibacterium acnes	<i>Acne</i>	1.0 %
Staphylococcus aureus	<i>Dermatophytosis in human and dogs</i>	1.0 %
Candida albicans	<i>Vaginal infections</i>	1.0 %
Trichophyton species	<i>Athlete's foot</i>	1.0 %
Ptyrosporum ovale	<i>Dandruff</i>	1.0 %
Microsporum canis	<i>Skin infections</i>	1.0 %

Batterikal is able to inhibit most of micro-organisms growth at 1%

Batterikal shows a dose dependent action

It can be used starting from 1.0% up to 2.0% vs S.aureus infections and up to 4.0% vs severe acne cases



Claims

- Anti bacterial
- Anti-inflammatory and soothing
- Skin barrier restoring
- Gynecological, anti-acne, microbiota balancing, atopic dermatitis, anti-dandruff, deodorant, skin purifying, athlete's foot end products

