

# ACTERYON

Inspired by phages



## AC-001-P

Innovative ingredient  
for dermocosmetics  
against acne.

Based on bacteriophage  
bionanoparticles specific  
to *Cutibacterium acnes* developed  
by Acteryon.



Download this folder

## Common Acne Causes

- Bacteria (*Cutibacterium acnes*) causes swelling and redness.
- Excess oil blocks pores and creates blackheads.
- Dead skin buildup clogs hair follicles and traps bacteria.
- Hormonal changes increase oil production during puberty, menstruation, or stress.

## Why It Matters

### 9.4% of the world's population affected by acne

Acne impacts self-esteem, leading to emotional stress and discomfort.

**Teens:** 80-90% experience acne during puberty.

**Adults:** 10-20% still struggle, especially women aged 25-40.

## AC-001-P: A game changer

- Targets acne-causing bacteria without harming skin's natural microbiome.
- Safe formula free from SLS, parabens and silicones.
- INCI registered as a cosmetic ingredient.
- Dermatologist-approved and proven safe in clinical trials.

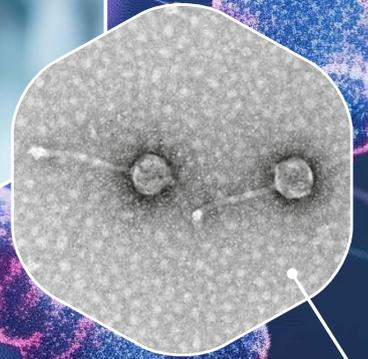
**AC-001-P** – revolutionary Acteryon's technology based on bionanoparticles of natural origin. **Innovative skin microbiome modulation technology.**

**Reduces *Cutibacterium acnes*** without disrupting the natural skin barrier.

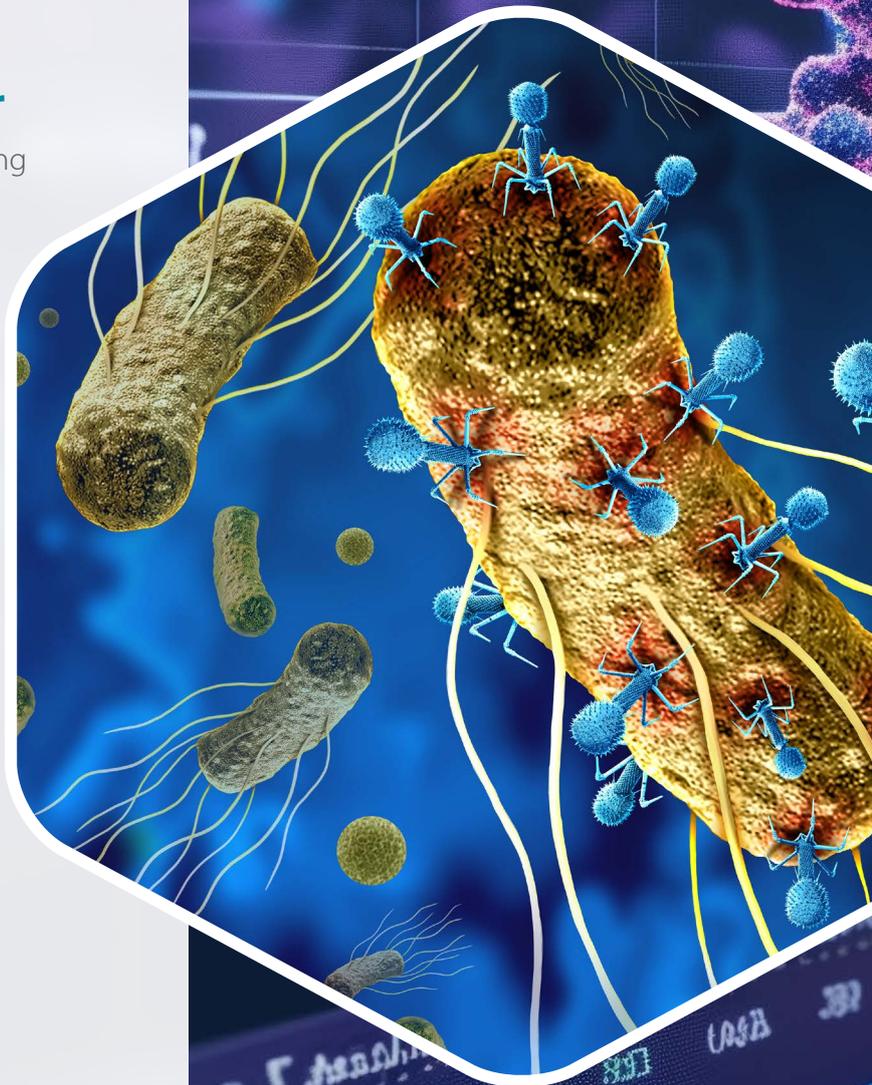
**Simple composition** – free from SLS, parabens, silicones, and phenoxyethanol.

**Safety confirmed** – no cytotoxicity, genotoxicity, irritant, or allergenic properties.

Compliance with EU Regulations (EC) No. 1223/2009  
– Positive opinion from the Cosmetic Safety Assessor.

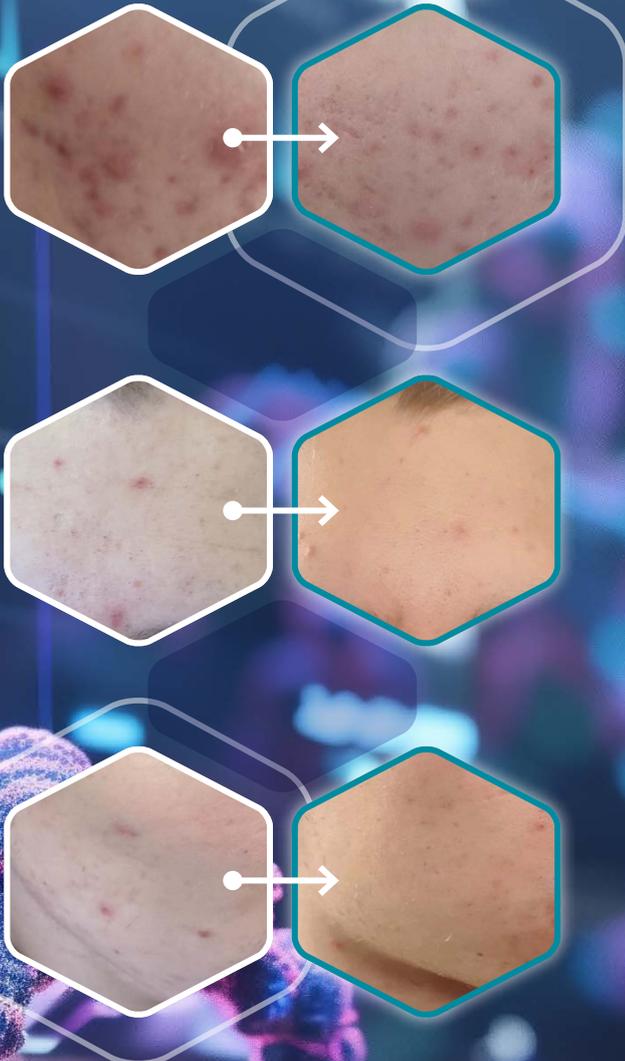


Real AC-001-P bionanoparticle footage – transmission electron microscopy



BEFORE

AFTER



## How AC-001-P works?

Phages specifically target and destroy *Cutibacterium acnes*, the bacteria causing acne, reducing inflammation and lesions. They preserve the skin's microbiome, offering a safe, effective, and natural acne solution.

## Research Results

- **87%** users reported visible effects after 14 days of use – reduced inflammation.
- **15%** reduction in acne lesions.
- Reduced redness and itching.

**100%** of participants declared **satisfaction** and willingness to purchase the product.\*

## Tested formulation

- **Colorless and odorless liquid**  
– ideal for independent use or as an ingredient in night creams.
- **Skin microbiome balance technology**  
– confirmed by microbiome composition analysis before and after 14 days of use.\*

## Recommended application

**Easy to apply** – bottle with precise daily dose.

\* „Assessment of changes in the skin microbiome of subjects, including *Cutibacterium acnes*, before and after derm-therapy,” conducted on behalf of Acteryon sp. z o.o. by the Poznań University of Life Sciences. Report completion date: February 16, 2024.





**400 m<sup>2</sup>**  
**LAB FACILITIES**  
in GLP standard



**1500 m<sup>2</sup>**  
**BIOTECH LABORATORY**  
with 40 work-stations

## ACTERYON R&D CENTER

A FULL-SERVICE PROVIDER IN THE AREA OF BACTERIOPHAGES BIOTECHNOLOGY

- Professionally designed safety zones
- Quality control regime of all processes
- Product warehouse (pharmaceutical standard)

**Phages bank.** By the end of 2024, the collection had expanded to over 200 bacteriophage strains.

**High standards.** Phage strains rigorously tested using microbiological, molecular, and bioinformatic methods.

**Genetic engineering.** Phage derived recombinant proteins for different applications (dermocosmetics, food safety, medicine).



**500 m<sup>2</sup>**  
**PRODUCTION FACILITIES**  
in GMP standard



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