

QACS, The Challenge Test Lab

Preservation Efficacy Test & Microbiome Studies



A holistic approach to evaluate Antimicrobial Protection of cosmetic products, without affecting human Skin Microbiota.



Cosmetic Preservatives - Skin Microbiome

Cosmetic Preservatives

- Prevent microbiological spoilage during storage and use
- When too strong or in high percentage they might disrupt the normal skin microflora



Skin Microbiome

- Colonized by myriads of different microorganisms
- Cooperates with the immune system & competes against pathogenic microbes
- Affected by antimicrobial activity of cosmetic preservatives and long-term cosmetic usage



Holistic Approach

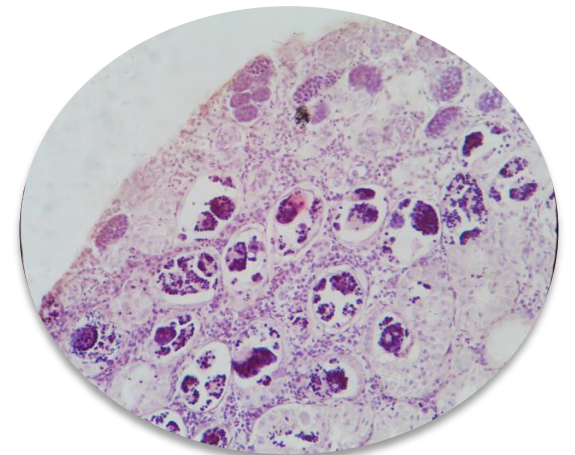
Validated QACS methods perform

- Preservation Efficacy
- Skin Microbiome studies



As a **result**, you get valuable information

- On preservative suitability
- On preservative dosage suitability
- On claims support to maintain skin microbiota equilibrium



Testing Solutions

- **Preservation Efficacy** Protocols – (ISO 11930, Eur. Pharmacopoeia, Wipes Protocol)
- **Synergism of preservative** system components
- In vivo and In vitro **Microbiome studies**

Tests can be performed at all stages of product development.
From **RnD** to **final products**

Packages	Basic	Standard	Premium
Panel of volunteers	X	X	X
Microbiological & Clinical Efficacy	X	X	X
Microbiological Identification		X	
Next Generation Sequencing			X



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20 Years Laboratory Testing Services