

Specification

Diluent for the homogenization of cosmetic samples for the microbiological examination according to ISO standard.

Presentation

	Packaging Details	Shelf Life	Storage
6 Prepared bottles Bottle 1 L with: 490 ± 5 ml	1 box with 6 bottles 1l. Screw plastic cap.	12 months	8-25 °C

Composition

Composition (g/l):	
Pancreatic digest of casein.....	20.00
Lecithin.....	5.00
Tween® 20.....	40.00

Description /Technique

This medium is used for the detection of microorganisms in cosmetics and topical drugs in a laboratory setting.

Diluent and non-selective pre-enrichment medium, that has the property of revitalization to samples by the presence of meat peptone in the formulation. Lecithin and Polysorbate 20 neutralize preservatives in cosmetics or pharmaceutical products, allowing bacteria to grow. Inoculate according to final purpose, samples and validated methods.

Note: The medium prepared is yellowish, may present slight flocs that are resuspended when the medium is tempered.

Quality control

Physical/Chemical control

Color : Yellowish pH: 7.2 ± 0.2 at 25°C

Microbiological control

Prepare tubes - Inoculate: Practical range 10-100 CFU (productivity) according to harmonized Eur. Pharmacopoeia

Analytical methodology according to ISO 11133:2014/A1:2018; A2:2020.

Aerobiosis. Incubation at 35 ± 2 °C, reading after 18-24 hours.

If necessary check growth in a general culture medium

Microorganism

Growth

<i>Ps. aeruginosa</i> ATCC® 9027, WDCM 00026	Good
<i>Staphylococcus aureus</i> ATCC® 6538, WDCM 00032	Good
<i>Escherichia coli</i> ATCC® 8739, WDCM 00012	Good
<i>Salmonella typhimurium</i> ATCC® 14028, WDCM 00031	Good
<i>Bacillus subtilis</i> ATCC® 6633, WDCM 00003	Good
<i>Candida albicans</i> ATCC® 10231, WDCM 00054	Poor to good

Sterility control

Incubation 48 h at 30-35 °C and 48 h at 20-25 °C: NO GROWTH.

Check at 7 days after incubation in same conditions.

Bibliography

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- ISO 16212 Standard (2017) Cosmetics - Microbiology - Enumeration of yeast and mould.
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- ISO 22717 Standard (2015) Cosmetics - Microbiology - Detection of Pseudomonas aeruginosa.
- ISO 22718 Standard (2015) . Cosmetics - Microbiology - Detection of Staphylococcus aureus. · USP 33 - NF 28 (2011) <62> Microbiological examination of non-sterile products: Test for specified microorganisms. Harmonised Method. USP Corp. Inc. Rockville. MD. USA.
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