

The logo for ClearLine, featuring the brand name in white text on a red, slanted rectangular background.

MODIFIED LETHEEN BROTH

INTENDED USE

Modified Lethen broth is a modification of the Lethen (LEciTHine + twEEN) broth and is used for the recovery of microorganisms from cosmetics.

FORMULA

Ingredients in grams per liter of purified water

Lethen broth base	20.70
Casein peptone	5.00
Meat peptone	10.00
Yeast extract	2.00
Sodium bisulfite	0.10
Polysorbate 80	5.00

Adjusted and/or supplemented as required to meet performance criteria.

STORAGE

Tubes and bottles: 2 - 25°C

The expiration date on the product label applies to the product in its intact packaging when stored as directed.

LIMITATION OF THE PROCEDURE

This product is for laboratory use only.

QUALITY CONTROL

Physical appearance: liquid clear to slight opalescence, yellow color

Final pH: 7.2 ± 0.2 at 25°C

Expected Cultural Response

Organism	Inoculum CFU	Incubation	Results
<i>Escherichia coli</i> ATCC 8739 - WDCM 00012	10-10 ²	24-48 h at 36°C ± 1°C	Growth
<i>Staphylococcus aureus</i> ATCC 6538 - WDCM 00032	10-10 ²	24-48 h at 36°C ± 1°C	Growth

This is an example of organisms routinely used for testing

BIBLIOGRAPHIE

1. Horwitz, W. 2000. Official Methods of Analysis. AOAC International. Gaithersburg, MD. USA.
2. ISO 21149:2017. Cosmetics - Microbiology - Enumeration and detection of aerobic mesophilic bacteria.
3. ISO 22717:2015. Cosmetics - Microbiology - Detection of *Pseudomonas aeruginosa*.
4. ISO 22718:2015. Cosmetics - Microbiology - Detection of *Staphylococcus aureus*.