MAXIMUM RECOVERY DILUENT

INTENDED USE
Maximum recovery diluent is used as an isotonic diluent for maximum recovery of microorganisms.

FORMULA
Ingredients in grams per liter of purified water

Peptone	1.00
Sodium chloride	8.50

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

STORAGE
Tubes, bottles and bags: 2 - 25°C
Dehydrated media: 2 - 30°C
The expiration date on the product label applies to the product in its intact packaging when stored as directed.

DIRECTIONS FOR PREPARATION
1. Dissolve 9.5 g in 1 L of purified water. Mix thoroughly.
2. Fill tubes or bottles.
3. Autoclave for 15 minutes at 121°C.

LIMITATION OF THE PROCEDURE
This product is for laboratory use only.

QUALITY CONTROL
Physical appearance: liquid clear and colorless
Final pH: 7.0 ± 0.2 at 25°C

Expected Cultural Response

Organism	Inoculum CFU	Incubation	Results
Escherichia coli ATCC 8739 • WDCM 00012	N.A.	55 mn at 20-25°C	± 30% of colonies counted at T0
Staphylococcus aureus ATCC 6538 • WDCM 00032	N.A.	55 mn at 20-25°C	± 30% of colonies counted at T0

This is an example of organisms routinely used for testing

BIBLIOGRAPHIE

1. ISO 6887-1:2017. Microbiology of the food chain - Preparation of test samples, initial suspension and decimal dilutions for microbiological examination - Part 1: General rules for the preparation of the initial suspension and decimal dilutions.
2. ISO 8199:2018. Water quality - General requirements and guidance for microbiological examinations by culture.
3. ISO 8261: 2001. Milk and milk products - General guidance for the preparation of test samples, initial suspensions and decimal dilutions for microbiological examination.
4. ISO 11930:2019. Cosmetics - Microbiology - Evaluation of the antimicrobial protection of a cosmetic product.
5. ISO 16212:2017. Cosmetics – Microbiology - Enumeration of yeast and mould.
6. ISO 18415:2017. Cosmetics - Microbiology - Detection of specified and non-specified microorganisms.
7. ISO 18416:2015. Cosmetics - Microbiology - Detection of *Candida albicans*.
8. ISO 20743:2013. Textiles - Determination of antibacterial activity of textile products

9. ISO 21149:2017. Cosmetics - Microbiology - Enumeration and detection of aerobic mesophilic bacteria
10. ISO 21150:2015. Cosmetics - Microbiology - Detection of *Escherichia coli.*
11. ISO 22717:2015. Cosmetics - Microbiology - Detection of *Pseudomonas aeruginosa.*
12. ISO 22718:2015. Cosmetics - Microbiology - Detection of *Staphylococcus aureus*.