

Maximum Recovery Diluent MRD

Diluent for the preparation of stock suspensions and dilutions

CONTENTS

4 x 3 L bags Ref. 0120635

STORAGE CONDITIONS

Store the media in their boxes at 2°C - 25°C until their expiry date.

COMPOSITION

Theoretical formula

For 1 liter of purified water :

Sodium chloride.....8.5 g

Tryptone.....1.0 g

This medium can be adjusted and/or supplemented according to the performance criteria required.

SUMMARY AND EXPLANATION

Tryptone salt broth (also known as Maximum Recovery Diluent) is compliance with ISO standards 6887-1 to 5^[1,2,3,4,5] for the preparation and dilutions of stock suspensions from most of food products.

Tryptone salt broth is a diluent made of casein peptone and sodium chloride.

QUALITY CONTROLS

The quality control complies with the standard EN ISO 11133 :

Appearance Limpid, colorless

pH 7.0 ± 0.2

Sterility Conform after 7 days incubations at 20-25°C and 30-35°C
The bags are validated by autoclaving cycle (F0>30)

Microbiological activity

Strains references	Inoculum requested	Incubation time and T°C	Expected results
<i>Staphylococcus aureus</i> ATCC 25923 • WDCM 00034	N.A.	45' to 1 h at 20-25°C	±30% of colonies counted at T0
<i>Escherichia coli</i> ATCC 25922 • WDCM 00013	N.A.	45' to 1 h at 20-25°C	±30% of colonies counted at T0

BIBLIOGRAPHY

1. ISO 6887-1 – Microbiology of food and animal feeding stuffs -- 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 6887-2 – Microbiology of food and animal feeding stuffs -- Preparation of test samples, initial suspension and decimal dilutions for microbiological examination -- Part 2: Specific rules for the preparation of meat and meat products
3. ISO 6887-3 – Microbiology of food and animal feeding stuffs -- Preparation of test samples, initial suspension and decimal dilutions for microbiological examination -- Part 3: Specific rules for the preparation of fish and fishery products
4. ISO 6887-4 – Microbiology of food and animal feeding stuffs -- Preparation of test samples, initial suspension and decimal dilutions for microbiological examination -- Part 4: Specific rules for the preparation of products other than milk and milk products, meat and meat products, and fish and fishery products
5. ISO 6887-5 – Microbiology of food and animal feeding stuffs -- Preparation of test samples, initial suspension and decimal dilutions for microbiological examination -- Part 5: Specific rules for the preparation of milk and milk products