

Technical Information

Peptonized Milk Agar

Product Code: DM 1442

Application: For cultivation of lactic acid bacteria and examination of dairy products.

Composition**

Ingredients	Gms / Litre
Peptonized milk	15.000
Agar	12.000
Final pH (at 25°C)	6.5±0.2

**Formula adjusted, standardized to suit performance parameters

Principle & Interpretation

Peptonized Milk Agar is used for the detection of lactic acid bacteria.

Methodology

Suspend 27.0 grams of powder media in 1000 ml distilled water. Shake well & heat to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes and pour into sterile Petri plates.

Quality Control

Physical Appearance

Cream to yellow homogeneous free flowing powder

Gelling

Firm, comparable with 1.2% Agar gel.

Colour and Clarity of prepared medium

Yellow coloured clear to slightly opalescent gel forms in Petri plates.

Reaction

Reaction of 2.7% w/v aqueous solution at 25°C. pH : 6.5±0.2

pH Range 6.30-6.70

Cultural Response/ characteristics

DM 1442: Cultural characteristics observed after an incubation at 35-37°C for 18 - 48 hours

Organism	Growth
Lactobacillus casei ATCC 7469	luxuriant
Lactobacillus lactis ATCC 8000	luxuriant
Lactobacillus leichmannii ATCC 7830	luxuriant

Storage and Shelf Life

Dried Media: Store below 30°C in tightly closed container and use before expiry date as mentioned on the label.

Prepared Media: 2-8° in sealable plastic bags for 2-5 days.

Disclaimer :

- User must ensure suitability of the product(s) in their application prior to use.
- The product conform solely to the technical information provided in this booklet and to the best of knowledge research and development work carried at **CDH** is true and accurate
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