



Peptonized Milk Agar

M442

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

Directions

Suspend 27.0 grams in 1000 ml distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes and pour into sterile Petri plates.

Principle And Interpretation

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

Quality Control

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

6.30-6.70

Cultural Response

M442: Cultural characteristics observed after an incubation at 35 - 37°C for 18 - 48 hours .

Organism	Growth
Cultural Response	
<i>Lactobacillus casei</i> ATCC 7469	luxuriant
<i>Lactobacillus lactis</i> ATCC 8000	luxuriant
<i>Lactobacillus leichmannii</i> ATCC 7830	luxuriant

Storage and Shelf Life

Store below 30°C in tightly closed container. Use before expiry period on the label.

Revision : 2 / 2015

Disclaimer :

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