

TM 807 – PEPTONIZED MILK AGAR

INTENDED USE

For cultivation of lactic acid bacteria and testing of dairy products.

PRODUCT SUMMARY AND EXPLANATION

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

COMPOSITION

Ingredients	Gms / Ltr
Peptonized milk	15.000
Agar	12.000

PRINCIPLE

This medium consists of Peptonized milk which act as an enzymic digest of high grade skimmed milk powder. It has high tryptophan content. It serves as a source of nitrogen and also has high level of carbohydrate. It is suitable for cultivation of Lactobacilli, yeasts and molds.

INSTRUCTION FOR USE

- Dissolve 27.0 grams in 1000 ml distilled water.
- Heat to boiling to dissolve the medium completely.
- Sterilize by autoclaving at 15 psi pressure (121°C) for 15 minutes.
- Mix well and pour into sterile petri plates.

QUALITY CONTROL SPECIFICATIONS

- Appearance of Powder** : Cream to yellow homogeneous free flowing powder.
- Appearance of prepared medium** : Yellow coloured clear to slightly opalescent gel forms in petri plates.
- pH (at 25°C)** : 6.5 ± 0.2

INTERPRETATION

Cultural characteristics observed after incubation.

Microorganism	ATCC	Inoculum (CFU/ml)	Growth	Recovery	Incubation Temperature	Incubation Period
<i>Lactobacillus casei</i>	7469	50-100	Luxuriant	>=70%	35-37°C	18-48 Hours
<i>Lactobacillus lactis</i>	8000	50-100	Luxuriant	>=70%	35-37°C	18-48 Hours



<i>Lactobacillus leichmanni</i>	7830	50-100	Luxuriant	>=70%	35-37°C	18-48 Hours
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PACKAGING:

In pack size of 500 gm bottles.

STORAGE

Dehydrated powder, hygroscopic in nature, store in a dry place, in tightly-sealed containers between 25-30°C and protect from direct sunlight. Under optimal conditions, the medium has a shelf life of 4 years. When the container is opened for the first time, note the time and date on the label space provided on the container. After the desired amount of medium has been taken out replace the cap tightly to protect from hydration.

Product Deterioration: Do not use if they show evidence of microbial contamination, discoloration, drying or any other signs of deterioration.

DISPOSAL

After use, prepared plates, specimen/sample containers and other contaminated materials must be sterilized before discarding.

 GMP Good Manufacturing Practices Certified	 Best Before	 Quantity	 Catalogue Number	 Manufacturer
 Temperature Unit	 Lot / Batch Number	 Consults Instructions for Use	 QR Code	

NOTE: Please consult the Material Safety Data Sheet for information regarding hazards and safe handling Practices.

***For Lab Use Only**
Revision: 08 Nov., 2019