

CM 21079 - M-YEAST AND MOULD BROTH

INTENDED USE

For counting yeasts and moulds in samples by membrane filter technique.

PRODUCT SUMMARY AND EXPLANATION

M-Yeast and Mould Broth is used for counting yeasts and moulds in samples by membrane filter method. It can also be used for cultivating other aciduric microorganisms in sugars.

COMPOSITION

Ingredients	Gms / Ltr
Biopeptone	10.000
Yeast extract	9.000
Cerelose	50.000
Magnesium sulphate	2.100
Potassium phosphate	2.000
Diastase	0.050
Thiamine	0.050

PRINCIPLE

Cerelose; arefined dextrose which is easily fermented by the moulds is included in the medium along with the amylolytic enzyme diastase. Biopeptone and yeast extract provide sufficient nitrogenous nutrients for the growth of the moulds. Thiamine (vitamin B1) functions in intermediate carbohydrate metabolism in the coenzyme form. Magnesium sulphate supplies the ions for fungal growth. The acidic pH of the medium favours the growth of moulds, yeasts and aciduric microorganisms. The medium is used to saturate sterile absorbent cotton pads. Membrane filters through which sample has been passed is aseptically placed on these saturated cotton pads.

INSTRUCTION FOR USE

- Dissolve 7.32grams in 100 ml distilled water.
- Mix thoroughly.
- Sterilize by autoclaving at 15 psi pressure (121°C) for 15 minutes.
- Mix well and dispense as desired.

QUALITY CONTROL SPECIFICATIONS

- Appearance of Powder** : Cream to yellow homogeneous free flowing powder
- Appearance of prepared medium** : Light yellow coloured clear solution without any precipitate
- pH (at 25°C)** : 4.6±0.2

INTERPRETATION

Cultural characteristics observed after an incubation.

Microorganism	ATCC	Inoculum (CFU/ml)	Growth	Recovery	Incubation Temperature	Incubation Period
<i>Aspergillus brasiliensis</i>	16404	50-100	luxuriant	≥70 %	25-30°C	48-72 Hours



<i>Candida albicans</i>	10231	50-100	luxuriant	>=70 %	25-30°C	48-72 Hours
<i>Saccharomyces cerevisiae</i>	9763	50-100	luxuriant	>=70 %	25-30°C	48-72 Hours

PACKAGING:

Inpacksizeof500 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

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

REFERENCES

1.MacFaddinJ.F.,1985, Media for Isolation-Cultivation-Identification-Maintenance of Medical Bacteria, Vol. 1, Williams and Wilkins, Baltimore.

 Good Manufacturing Practices Certified	 For In Vitro Diagnostic Use	 Quantity	 Lot / Batch Number	 Catalogue Number	 Manufacturer
 Temperature Unit	 Authorized Representative MediMet GmbH Buckstrasse 10 48143 Münster, Germany	 European Conformity	 QR Code	 Consults Instructions for Use	 Best Before

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

***For LabUse Only**

