

## CM 20738 – FUNGAL AGAR (MYCOLOGICAL AGAR)

### INTENDED USE

For cultivation and maintenance of fungi.

### PRODUCT SUMMARY AND EXPLANATION

Mycological media are basal mediato which antifungal agents may be added for checking their effect on fungi or bacteria to render themselective for isolation and cultivation of fungi. Mycological Agar is used while working with pathogenic fungi. Earlier media for fungi generally relied on an acidic pH to make the media less suitable for the growth of many bacteria. FungalAgar is prepared according to the formulation suggested by Huppert and Walker.

### COMPOSITION

Ingredients	Gms / Ltr
Soya peptone	10.000
Dextrose (Glucose)	10.000
Agar	15.000

### PRINCIPLE

The mediumconsists of Soya peptone in the medium which provides nitrogen, vitamins and minerals necessary to support bacterial growth. Dextrose is a carbon source required for the growth of fungi. The pH may be adjusted to 4.0 after autoclaving by adding sterile 10% lactic acid sodium/ acetic acid and used for determining yeast and mould counts of carbonated beverages and food products.

### INSTRUCTION FOR USE

Dissolve 35.0grams in 1000 ml purified/distilled water.

Heat, to boiling, to dissolve the medium completely.

Sterilize by autoclaving at 15 psi pressure (121°C) for 15 minutes. Cool to 45-50°C.

Mix well and pour into sterile Petri plates. For preparing selective media, acidify the media upto pH 3.0-4.0 by the addition of two vials of 10% Lactic Acid Solution.

### QUALITY CONTROL SPECIFICATIONS

Appearance of Powder : Cream to yellow homogeneous free flowing powder.

Appearance of prepared medium : Light amber coloured, clear to slightly opalescent gel forms in Petri plates.

pH (at 25°C) : 7.0 ± 0.2

### INTERPRETATION

Culturalcharacteristics observed after incubation.

Microorganism	ATCC	Inoculum (CFU/ml)	Growth	Recovery	Incubation Temperature	Incubation Period



Aspergillus brasiliensis	16404	10-100	Luxuriant	>=70%	25-30°C	48-72 Hours
Candida albicans	10231	10-100	Luxuriant	>=70%	25-30°C	48-72 Hours
Lactobacillus acidophilus	11506	50-100	Luxuriant	>=70%	25-30°C	48-72 Hours
Saccharomyces cerevisiae	9763	10-100	Luxuriant	>=70%	25-30°C	48-72 Hours
Saccharomyces uvarum	28098	10-100	Luxuriant	>=70%	25-30°C	48-72 Hours
Staphylococcus aureus subsp. aureus	25923	50-100	Luxuriant	>=70%	25-30°C	48-72 Hours
Trichophyton mentagrophytes	9533	10-100	Luxuriant	>=70%	25-30°C	Upto 7 Days

**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**

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

**REFERENCES**

1. A.J.Clin. Path., 1951, 21: 684.
2. Huppert M., and Walker L. J., 1958, Am. J. Clin. Pathol., 29:291
3. Isenberg, H.D. Clinical Microbiology Procedures Handbook 2nd Edition.
4. Jorgensen, J.H., Pfaller, M.A., Carroll, K.C., Funke, G., Landry, M.L., Richter, S.S and Warnock., D.W. (2015) Manual of Clinical Microbiology, 11th Edition. Vol. 1.
5. Salfinger Y., and Tortorello M.L., 2015, Compendium of Methods for the Microbiological Examination of Foods, 5th Ed., American Public Health Association, Washington, D.C.
6. Speck M. L., (Eds.), 1984, Compendium of Methods for the Microbiological Examination of Foods, 2nd Ed., APHA, Washington, D.C.



 GMP Good Manufacturing Practices Certified	 IVD For In Vitro Diagnostic Use	 QTY. Quantity	 LOT/ B. NO. Lot / Batch Number	 REF Catalogue Number	 Manufacturer
 Temperature Unit	 EC REP Authorized Representative <small>MedNet GmbH Buckstrasse 10, 48143 Muenster, Germany</small>	 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

