TM 553 - YEAST & MOLD AGAR

INTENDED USE
For cultivation and maintenance of yeasts and moulds.

PRODUCT SUMMARY AND EXPLANATION
Yeast Mold Agar is a medium used for the isolation and cultivation of yeast and molds.

COMPOSITION

Ingredients	Gms / Ltr
Dextrose	10.000
Peptone	4.000
Malt extract	3.000
Yeast extract	3.000
Agar	20.000

PRINCIPLE
The medium consists of Peptone and malt extract provides the carbon, protein and nutrient sources required for the growth of microorganisms. Malt extract is particularly suitable for yeasts and molds as it contains a high concentration of maltose (39 - 42%) and other saccharides as energy sources. Dextrose is the fermentable carbohydrate providing carbon and energy. The high dextrose concentration and acidic pH make this medium selective for fungi.

INSTRUCTION FOR USE
- Dissolve 40.0 grams in 1000 ml distilled water.
- Mix well and dissolve by heating with frequent agitation. Boil for one minute until complete dissolution.
- Cool to 50°C mix well and dispense into plates.
- Distribute into appropriate containers and Sterilize by autoclaving at 15 psi pressure (121°C) for 15 minutes.
- If desired, the pH of the medium can be adjusted to 3,0-4,0 in order to increase the selectivity of the medium. Antibiotics like chloramphenicol can also be added.

QUALITY CONTROL SPECIFICATIONS
Appearance of Powder : Light beige colour homogeneous free flowing powder.
Appearance of prepared medium : Amber, slightly opalescent gel forms in petri plates.
pH (at 25°C) : 6.2±0.2

INTERPRETATION
Cultural characteristics observe after incubation.

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

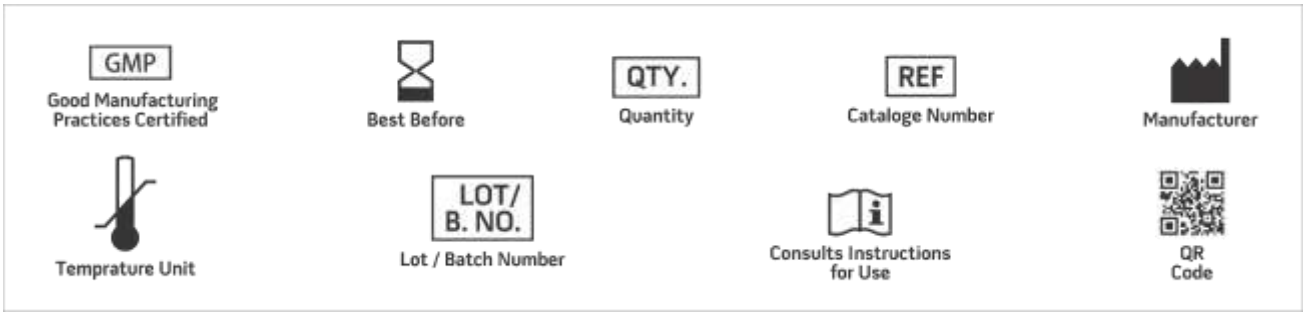
Candida albicans	10231	10-100	Good	>=50%	30-32°C	18-72 Hours
Aspergillus brasiliensis	16404	10-100	Good	>=50%	30-32°C	18-72 Hours
Saccharomyces cerevisiae	9763	10-100	Good	>=50%	30-32°C	18-72 Hours

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.

REFERENCES
1. Jong. S.S, and M.J.Edwars 1991, American Type Culture Collection Catalog of filamentog fungi 18 the. American type Collection, Rockville, MD..



NOTE: Please consult the Material Safety Data Sheet for information regarding hazards and safe handling Practices.
***For Lab Use Only**
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