



Modified Gorodkova Agar

M983

Modified Gorodkova Agar is recommended for promoting the sporulation of yeasts.

Composition**

Ingredients	Gms / Litre
Peptic digest of animal tissue	10.000
Dextrose	1.000
Sodium chloride	5.000
Agar	20.000

**Formula adjusted, standardized to suit performance parameters

Directions

Suspend 36 grams in 1000 ml distilled water. Heat to boiling to dissolve the medium completely and sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Mix well and pour in sterile Petri plates.

Principle And Interpretation

The medium contains Peptic digest of animal tissue which provides nitrogen and other nutrients necessary to support bacterial growth. Dextrose is the source of carbohydrate. Monopotassium phosphate buffers the media. Magnesium sulphate is a source of divalent cations. Sodium chloride is an essential ion and helps in maintaining the osmotic balance of the medium. Agar is the solidifying agent.

Quality Control

Appearance

Cream to yellow coloured homogeneous free flowing powder

Gelling

Firm, comparable with 2.0% agar gel.

Colour and Clarity of prepared medium

Light yellow coloured clear to slightly opalescent gel forms in Petri plates.

Cultural Response

M983: Cultural characteristics observed after an incubation at 25-30°C for 4-5 days.

Organism	Growth
* <i>Aspergillus brasiliensis</i> ATCC 16404	luxuriant
<i>Candida albicans</i> ATCC 10231	luxuriant
<i>Saccharomyces cerevisiae</i> ATCC 9763	luxuriant

Storage and Shelf Life

Store below 30°C in tightly closed container and the prepared medium at 2-8°C. Use before expiry date on the label.

Reference

1. Ivor H Evans. Yeast Protocols: Methods in Cell and Molecular Biology. Methods in Molecular Biology. Humana Press. Totowa, New Jersey.

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