



Dehydrated Culture Media
Bases / Media Supplements

Technical Information

Modified Gorodkova Agar

Product Code: DM 1983

Application: - Modified Gorodkova Agar is used 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

Principle & Interpretation

Modified Gorodkova Agar contains Peptic digest of animal tissue which supplies nitrogen and other nutrients necessary to support bacterial growth. Dextrose acts as source of carbohydrate. Monopotassium phosphate buffers the media. Magnesium sulphate acts as source of divalent cations. Sodium chloride is an essential ion and helps to maintain the osmotic balance of the medium. Agar is the solidifying agent.

Methodology

Suspend 36 grams of dehydrated powder media in 1000 ml distilled water. Mix thoroughly & heat to boiling to dissolve the medium completely and sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Shake well before pour in sterile Petri plates.

Quality Control

Appearance

Cream to yellow coloured homogeneous free flowing powder

Gelling

Firm, comparable with 2.0% agar gel.

Colour and Clarity

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

Cultural Response

DM 1983: 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

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

Prepared Media: 2-8° in sealable plastic bags for 2-5 days.





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Further Reading

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

Disclaimer :

- User must ensure suitability of the product(s) in their application prior to use.
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