Minimal Sporulation Growth Agar

Minimal Sporulation Growth Agar is used for the growth and sporulation of Saccharomyces cerevisiae.

Composition** :

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>Grams/Litre</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potassium acetate</td>
<td>10.00</td>
</tr>
<tr>
<td>Agar</td>
<td>15.00</td>
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</tbody>
</table>

** Formula adjusted, standardized to suit performance parameters

Directions :

Suspend 25 grams in 1000 ml distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes. Mix well and dispense as desired.

Principle and Interpretation :

Minimal Sporulation Growth Agar is used for the growth and sporulation of Saccharomyces cerevisiae. Saccharomyces cerevisiae is a unicellular eukaryote that has become an important tool in microbial genetic techniques. It undergoes meiosis and sporulation which takes place in a single cell. This medium stimulates the sporulation of diploid yeast cells which occurs only when cells are deprived of any carbon source. Potassium acetate enhances the sporulation of diploid strains.

Quality Control :

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

Gelling :
Firm, comparable with 1.5% Agar gel.

Colour and Clarity :
Light yellow coloured, clear to slightly opalescent gel forms in Petri plates.

Cultural Response :
Cultural characteristics observed after an incubation at 35-37°C for 18 - 48 hours.

Please refer disclaimer Overleaf
Organisms (ATCC)
Saccharomyces cerevisiae ATCC9763

Growth
good-luxuriant

Storage and Shelf-life:

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

References:


Do not use if package is damaged

HiMedia Laboratories Pvt. Limited,
23 Vadhan Industrial Estate,
LBS Marg,Mumbai-86,MS,India

Disclaimer:

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HiMedia Laboratories Pvt. Ltd. A-516,Swastik Disha Business Park,Via Vadhani Ind. Est., LBS Marg, Mumbai-400086, India. Customer care No.: 022-6147 1919 Email: techhelp@himedialabs.com Website: www.himedialabs.com