YE Growth Medium

YE Growth Medium is used for the growth of *Schizosaccharomyces pombe*.

**Composition**:

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>Grams/Litre</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yeast extract</td>
<td>5.00</td>
</tr>
<tr>
<td>Dextrose</td>
<td>30.00</td>
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</tbody>
</table>

**Formula adjusted, standardized to suit performance parameters**

**Directions**:

Suspend 35 grams in 1000 ml distilled water. Heat to boiling to dissolve the medium completely. Dispense as desired and sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.

**Principle and Interpretation**:

YE Growth Medium is used for the growth of *Schizosaccharomyces pombe*.

*Schizosaccharomyces pombe*, also called “fission yeast”, is a species of yeast. It is used as a model organism in molecular and cell biology. It is possibly the eukaryote with the shortest genome. These cells maintain their shape by growing through the cell tips and divide by medial fission to produce two daughter cells of equal sizes that makes them a powerful tool in cell cycle research. It was first developed as an experimental model in the 1950's for studying genetics (1, 2) and for studying the cell cycle (3, 4).

**Quality Control**:

**Appearance of Powder**:
Light yellow coloured, homogeneous, free flowing powder.

**Colour and Clarity**:
Light yellow coloured, clear solution without any precipitate.

**Cultural Response**:
Cultural characteristics observed after an incubation at 35-37°C for 18 - 48 hours.
Organisms (ATCC)
Schizosaccharomyces pombe

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:


Storage temperature

Do not use if package is damaged

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Disclaimer:

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