

Technical Information

ME Growth Medium

Product Code: G1049

ME Growth Medium is used for the conjugation and sporulation of *Schizosaccharomyces pombe*

Composition :

Ingredients	Grams/Litre
Malt extract	30.00
Adenine	0.05
Histidine	0.05
Leucine	0.05
Uracil	0.05

** Formula adjusted, standardized to suit performance parameters

Methodology

Suspend 30.2 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

ME Growth Medium is used for the conjugation and sporulation of *Saccharomyces pombe*.

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

1. Leupold U. (1950) CR Trav Lab Carlsberg Ser Physiol 24:381-480.
2. Leupold U. (1993) The origins of *Schizosaccharomyces pombe* genetics. In: Hall MN, Linder P. eds. The early Days of Yeast Genetics. New York. Cold Spring Harbor Laboratory Press. 125-128.
3. Mitchinson JM. (1975) Exp Cell Res 13:244-262.
4. Mitchinson JM. (1990) Bioessays 4:189-191.

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