

EMM Growth Medium without Phosphates

G054

EMM Growth Medium without Phosphates is a minimal defined media for the growth of *Schizosaccharomyces pombe*.

Composition** :

Ingredients	Grams/Litre
Phthalic acid K+	3.00
Ammonium chloride	5.00
Dextrose	20.00
Magnesium chloride, 6H ₂ O	1.05
Calcium chloride, 2H ₂ O	0.0147
Potassium chloride	1.00
Sodium sulphate	0.04
Pantothenic acid	0.001
Nicotinic acid	0.01
Myoinositol	0.01
Biotin	0.001
Boric acid	0.0005
Manganese sulphate	0.0004
Zinc sulphate, 7H ₂ O	0.0004
Ferric chloride, 6H ₂ O	0.0002
Molybdcic acid	40 mcg
Potassium iodide	0.0001
Copper sulphate, 5H ₂ O	40 mcg
Citric acid	0.001

** Formula adjusted, standardized to suit performance parameters

Directions :

Suspend 30 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 :

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Please refer disclaimer Overleaf

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 25-30°C for 18 - 48 hours.

Organisms (ATCC)

Schizosaccharomyces pombe

Growth

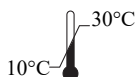
good-luxuriant

Storage and Shelf-life :

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

Reference :

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.



Storage temperature



Do not use if package is damaged



HiMedia Laboratories Private Limited,
Reg. Off: Plot No. C-40, Road No. 21Y,
MIDC, Wagle Industrial Area, Thane,
(West) 400604, Maharashtra, INDIA.
Web: www.himedialabs.com



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HiMedia Laboratories Pvt. Ltd. Reg.office : Plot No. C-40, Road No. 21Y, MIDC, Wagle Industrial Area, Thane, (West) 400604, Maharashtra, INDIA.
Customer Care No.: 00-91-22-6116 9797 Tel: 00-91-22-6147 1919, 6903 4800 Email: techhelp@himedialabs.com Website: www.himedialabs.com