

## EMM Growth Medium without Nitrogen

G055

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

### Composition\*\* :

Ingredients	Grams/Litre
Phthalic acid K+	3.00
Disodium hydrogen phosphate	2.20
Dextrose	20.00
Magnesium chloride, 6H <sub>2</sub> O	1.05
Calcium chloride, 2H <sub>2</sub> 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 <sub>2</sub> O	0.0004
Ferric chloride, 6H <sub>2</sub> O	0.0002
Molybdcic acid	40 mcg
Potassium iodide	0.0001
Copper sulphate, 5H <sub>2</sub> O	40 mcg
Citric acid	0.001

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

### Directions :

Suspend 27.32 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 :

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

Please refer disclaimer Overleaf

## Quality Control :

### Appearance of Powder :

Cream to 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

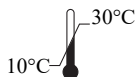
good-luxuriant

### 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



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