

## Technical Information

### DOBA Growth Medium with 2% Galactose (Glucose free)

#### Product Code: G1085

DOBA Growth Medium with 2% Galactose is used for the growth of *Saccharomyces cerevisiae*.

#### Composition\*\*

Ingredients	Grams/Litre
Potassium dihydrogen phosphate	1.00
Magnesium sulphate	0.50
Sodium chloride	0.10
Calcium chloride	0.10
Biotin	0.002 gm
Calcium pantothenate	0.4 mg
Folic acid	0.002 mg
Inositol	2.00 mg
Niacin	0.4 mg
PABA	0.2 mg
Pyridoxin, HCl	0.4 mg
Riboflavin	0.2 mg
Thiamine HCl	0.4 mg
Boric acid	0.5 mg
Copper sulphate	0.04 mg
Potassium iodide	0.1 mg
Ferric chloride	0.2 mg
Manganese sulphate	0.4 mg
Sodium molybdate	0.2 mg
Zinc sulphate	0.4 mg
Ammonium sulphate	5.00
Galactose	20.00
Agar	15.00

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

#### Methodology

Suspend 41.7 grams in 1000 ml distilled water. Sterilize by autoclaving at 10 lbs pressure (115°C) for 20 minutes. Mix well and dispense as desired.

#### Principle and Interpretation

DOBA Growth Medium with 2% Galactose is used for the growth of *Saccharomyces cerevisiae*.

#### Quality control

##### Appearance of Powder :

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 25-30°C for 18 - 48 hours.

##### Organisms (ATCC)

*Saccharomyces cerevisiae* ATCC 9763

##### 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. Wickerham. 1939. J. Tropical Med. Hyg. 42:176.
2. Wickerham. 1946. J. Bacteriol. 52:293.

## Disclaimer :

- User must ensure suitability of the product(s) in their application prior to use.
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