



Rose Bengal Agar

Product No. CM164

Intended Use

Used for isolating and enumerating molds and yeasts in food, grain and beverage. (GB)

Specification 250 g

Ingredients	(g/L)
Peptone	5.0
Glucose	10.0
Monopotassium Phosphate	1.0
Magnesium Sulfate (Anhydrous)	0.5
Rose Bengal	0.033
Chloramphenicol	0.1
Agar	20.0

Additional Reagents

No

Principle and Interpretation

Peptone provides the carbon and nitrogen sources required for good growth of a wide variety of organisms. Glucose is an energy source. Monopotassium phosphate provides buffering capability. Magnesium sulfate provides necessary trace elements. Rose bengal is included as a selective agent that inhibits bacterial growth and restricts the size and height of colonies of the more rapidly growing molds. The restriction in growth of molds aids in the isolation of slow-growing fungi by preventing overgrowth by more rapidly growing species. Rose bengal is taken up by yeast and mold colonies, thereby facilitating their recognition and enumeration. Chloramphenicol is abroad-spectrum antibiotic that inhibits a wide range of gram-positive and gram-negative bacteria. Agar is the solidifying agent.

Directions

Suspend 36.6 g of the powder in 1 L distilled water. Heat with frequent agitation and boil to dissolve completely. Autoclave at 121°C for 15 minutes.

Precautions

BEIJING LAND BRIDGE TECHNOLOGY CO., LTD.

No. 3, Gaobeidian North Road, Chaoyang District, Beijing (100123) Tel: +86-10-51203999 +86-400-810-1304 Mail: info@beiijinglandbridge.com Web: www.beijinglandbridge.com



No

Quality Control

Microorganisms	Inoculum (CFU)	Reference Medium	Method	Incubation	Growth (Productivity Ratio : PR)
<i>Saccharomyces cerevisiae</i> ATCC 9763 <i>Saccharomyces cerevisiae</i> CICC 33471 [CMCC(F) 98017]	50-250	-250 SDA	quantitative	28°C±1°C	PR≥0.7, cream colonies
Aspergillus niger ATCC 16404 Aspergillus niger CICC 2089 [CMCC(F) 98029]					PR≥0.7, white mycelium, black spores
Escherichia coli ATCC 25922 Escherichia coli CICC 25012 [CMCC(B) 43201] Staphylococcus aureus ATCC 6538 Staphylococcus aureus CICC 25018 [CMCC(B) 26305]	-	-	semiquantit ative	5d	G≤1

Storage Conditions

Keep container tightly closed and store in a cool dry place.

Shelf Life

3 years.

Related Products

Product No.	Product Name	Specification
CM164-01	Rose Bengal Agar	1000 g
CM164-07	Rose Bengal Agar	100 mLx10
PB031A	Rose Bengal Agar	20 Plates
GCM164	Rose Bengal Agar	250 g
GCM164-1K	Rose Bengal Agar	1000 g

For laboratory use in industry or R&D purpose. Not for drug, household or other uses.

BEIJING LAND BRIDGE TECHNOLOGY CO., LTD.

No. 3, Gaobeidian North Road, Chaoyang District, Beijing (100123) Tel: +86-10-51203999 +86-400-810-1304 Mail: info@beiijinglandbridge.com Web: www.beijinglandbridge.com