ROSE BENGAL DICHLORAN AGAR

A selective medium for the enumeration of yeasts and moulds according to ISO 21527-1. Supplementation with DRBC Plus Selective Supplement enhances the selectivity of the medium and enables the easier identification of moulds based on the development of more typical morphology of mould colonies.

Dehydrated media	
Code number:	500 g: RBD20500, 5 kg: RBD25000
Colour:	Pinkish
Appearance:	Homogeneous hygroscopic powder
pH before autoclaving (25 °C):	5,4 – 5,8

Direction for Rose Bengal Dichloran Agar: Suspend **31 g** in one litre of distilled water and heat with frequent agitation until the medium boils well. Sterilise by autoclaving at 121 °C for 15 minutes.

Direction for Rose Bengal Dichloran Agar Plus: Suspend **15,5 g** in 500 ml of distilled water and heat with frequent agitation until the medium boils well. Sterilise by autoclaving at 121 °C for 15 minutes. Cool to 50 °C and add aseptically the content of **one vial of DRBC Plus Selective Supplement (RBS80004)** reconstituted with 4 ml of sterile distilled water. Mix well before pouring.

Prepared media	
Bottled media:	100 ml: RBD30100, 500 ml: RBD30500
Plated DRBC agar:	55 mm: RBD50055, 90 mm: RBD50090
Plated DRBC agar Plus:	55 mm: RBD50055-01, 90 mm: RBD50090-01
Colour:	Rose red
pH (25 °C):	5,5 – 5,7

Direction: If necessary, supplement may be added to the melted bottled media according to the direction of the dehydrated media. Dispense the melted bottled media aseptically into sterile Petri-dishes. Media in Petri-dishes are ready to use.

FORMULA in g/l

Peptones	5,000
Glucose	10,000
Magnesium sulphate	0,500
Chloramphenicol	0,100
Dichloran	0,002
Rose bengal	0,025
Potassium phosphate, monobasic	1,000
Agar	14,400

Note: The typical formula can be adjusted to obtain optimal performance.

Storage conditions: Store the dehydrated media tightly closed in a dry place at room temperature. Store the bottled media protected from light at room temperature. Store the plated media protected from light at 2-8 °C. Use before the expiry date on the label.

Quality control:

Test strains	Incubation temp: 25 °C	**Growth**	Incubation time: 48 h
Saccharomyces cerevisiae ATCC 9763		Good, rose red colonies	
Escherichia coli ATCC 25922		Inhibited	

References: ISO 21527-1:2013

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