

DG18 AGAR BASE

A selective medium with low water activity for the enumeration and isolation of yeasts and moulds, especially the xerophilic moulds according to the ISO 21527-2.

Dehydrated media	
Code number:	500 g: D1820500, 5 kg: D1825000
Colour:	Yellowish
Appearance:	Homogeneous hygroscopic powder
pH before autoclaving (25 °C):	5,4 – 5,8

Direction: Fill up **140 ml of Glycerol Supplement (GLC80500)** to one litre with distilled water. Suspend **31 g of dehydrated medium** and heat with frequent agitation until the medium boils well. Sterilise by autoclaving at 121 °C for 15 minutes. Mix well before pouring.

Prepared media	
Bottled media:	100 ml: D1830100, 500 ml: D1830500
Plated media:	55 mm: D1850055, 90 mm: D1850090
Colour:	Yellowish
pH (25 °C):	5,5 – 5,7

Direction: 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
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: 72 h
<i>Saccharomyces cerevisiae</i> ATCC 9763		Good	
<i>Escherichia coli</i> ATCC 25922		Inhibited	

References: Hocking and Pitt (1980) J. Appl. Envir. Micr. 39: 488.
ISO 21527-2: 2013

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