

Product Specification Sheet

Dichloran-Glycerol (DG18) ISO Agar (Contact Plate)

Intended Usage: A selective low water activity medium for the isolation of xerophilic yeasts and moulds from dried and semi-dried foods.

For professional use only.

PO5333C	
Version: 01	Revision Date: April 2024

Thermo Scientific™ Dichloran-Glycerol (DG18) ISO Agar (Contact Plate)

Form of Product	Poured plate
Storage	2 – 12°C
Filling weight	13.5 g ± 5 %
Packaging	Boxes with 2 x 10 plates wrapped in film
pH	5.6 ± 0.2
Appearance	Ivory, transparent
Shelf life	9 weeks
Intended Usage	A selective low water activity medium for the isolation of xerophilic yeasts and moulds from dried and semi-dried foods.
Technique	For professional use only. Depends on the different methods (ISO 21527-2). For information see Specification Sheet for Thermo Scientific™ Oxoid™ CM1150B.

Typical formulation*	g/l
Peptone	5.0
Glucose	10.0
Potassium dihydrogen phosphate	1.0
Magnesium sulphate	0.5
Dichloran	0.002
Glycerol	220.0
Chloramphenicol	0.05
Chlortetracycline	0.05
Agar	15.0

*Adjusted as required to meet performance standards.

Quality Control

1. Control for general characteristics, labelling and printing.
2. Contamination check
 ≥ 120 h @ 20 – 25 °C, aerobic
 ≥ 120 h @ 30 – 35 °C, aerobic
3. Microbiological control

Positive Controls	Growth
Inoculum: tested by direct streaking method, control medium SAB	
Incubation conditions: 72 – 120 h @ 25 ± 1°C, aerobic	
<i>Aspergillus brasiliensis</i> ATCC®16404™	Good growth, white mycelium, black spores.
Inoculum 10³-10⁴ colony forming units (cfu), qualitative, control medium SAB	
Incubation conditions: 72 – 120 h @ 25 ± 1°C, aerobic	
<i>Saccharomyces cerevisiae</i> ATCC®9763™	Good growth, cream colonies.

Negative Controls	Growth
Inoculum 10⁴ – 10⁵ cfu, qualitative, control medium COL+SB	
Incubation conditions: 72 – 120 h @ 25 ± 1°C, aerobic	
<i>Escherichia coli</i> ATCC®25922™	No growth.
<i>Bacillus subtilis</i> ATCC®6633™	No growth.

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