

Product Specification Sheet

Dichloran-Glycerol (DG18) ISO Agar

Intended Usage: A selective low water activity medium for the enumeration and isolation of xerophilic moulds from dried and semi-dried foods. Formulated according to ISO 21527-2. For professional use only.

PO5388A
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Thermo Scientific™ Dichloran-Glycerol (DG18) ISO Agar

Form of Product	Poured plate
Storage	2 – 12°C
Filling weight	17 g ± 5 %
Packaging	10 plates wrapped in film
pH	5.6 ± 0.2
Colour	Ivory, transparent
Shelf life	14 weeks
Intended Usage	A selective low water activity medium for the enumeration and isolation of xerophilic moulds from dried and semi-dried foods. Formulated according to ISO 21527-2.
Technique	For professional use only. Depends on the different methods (ISO 21527-2). For information see Specification Sheet for Thermo Scientific™ Oxoid™ CM1150B.

*Adjusted as required to meet performance standards.

Typical formulation*	g/l
Casein Enzymatic digest	5.0
Glucose	10.0
Potassium dihydrogen phosphate	1.0
Magnesium sulphate	0.5
Dichloran (2,6-dichloro-4-nitroaniline)	0.002
Glycerol	220.0
Chloramphenicol	0.05
Chlortetracycline	0.05
Agar	15.0

Quality Control

1. Control for general characteristics, labeling and printing.
2. Contamination check
 ≥ 72 h @ 20 – 25 °C, aerobic
 ≥ 72 h @ 30 – 35 °C, aerobic
3. Biological control

Positive controls	Growth
Inoculum: tested by direct streaking method (1 colony), control medium SAB Incubation conditions: 48 – 72 h @ 22 ± 1°C, aerobic	
<i>Aspergillus brasiliensis</i> ATCC® 16404™	Good growth, white mycelium, black spores.
Inoculum 10³ – 10⁴ cfu, qualitative, control medium SAB Incubation conditions: 48 – 72 h @ 22 ± 1°C, aerobic	
<i>Saccharomyces cerevisiae</i> ATCC® 9763™	Good growth, cream colonies.

Negative controls	Growth
Inoculum ≥ 10⁴ cfu quantitative, control medium TSA Incubation conditions: 48 – 72 h @ 22 ± 1°C, aerobic	
<i>Escherichia coli</i> ATCC® 25922™	Complete inhibition (≤ 10 cfu).
<i>Bacillus subtilis</i> ATCC® 6633™	Complete inhibition (≤ 10 cfu).

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