

Product Specification Sheet

Dichloran-Glycerol (DG18) Selective Medium (Contact Plate)

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

For professional use only.

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| PO5313C |
| Revision Date: 18 April 2017 |

Thermo Scientific™ Dichloran-Glycerol (DG18) Selective Medium (Contact Plate)

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|-----------------|--|
| Form of Product | Poured plate |
| Storage | 6 – 12°C |
| Filling weight | 13.5 g ± 5 % |
| Packaging | Boxes with 2 x 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 xerophilic moulds from dried and semi-dried foods. For professional use only. |
| Technique | Depends on the different methods. For information see Specification Sheet for Thermo Scientific™ Oxoid™ CM729. |

| 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, labeling and printing.
2. Control for sterility
> 72 h @ 25 ± 1°C, aerobic
> 72 h @ 36 ± 1°C, aerobic
3. Biological control
Inoculum size for selectivity: 10⁴ – 10⁵ cfu
Inoculum size for specificity: < 10 000 cfu

Incubation conditions: 48 – 72 h @ 22 ± 1°C, aerobic

| Control Strain | Growth |
|--|--|
| <i>Aspergillus brasiliensis</i> ATCC [®] 16404 [™] | Good growth, white mycelium, black spores. |
| <i>Saccharomyces cerevisiae</i> ATCC [®] 9763 [™] | Good growth, cream colonies. |
| <i>Escherichia coli</i> ATCC [®] 25922 [™] | Complete inhibition (≤ 10 cfu). |
| <i>Bacillus subtilis</i> ATCC [®] 6633 [™] | Complete inhibition (≤ 10 cfu). |



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