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OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION		
PRE-SUPPLEMENTED DICHLORAN-GLYCEROL 18% (DG18) (ISO) AGAR CM1151		

PRE-SUPPLEMENTED DICHLORAN-GLYCEROL 18% (DG18) (ISO) AGAR

CM1151

Typical Formula*

Casein peptone	grams per litre	5.0
Glucose		10.0
Potassium di-hydrogen phosphate		1.0
Magnesium sulphate		0.5
Dichloran		0.002
Agar		15.0
Chloramphenicol		0.1

* adjusted as required to meet performance standards

Directions

Suspend 15.75g in 500ml of distilled water and heat to dissolve completely. Add 110 g of glycerol (analytical grade). Sterilize by autoclaving at 121°C for 15 minutes. Cool to 50°C, mix well and pour into sterile Petri dishes.

Physical Characteristics

Straw, free-flowing powder
 Colour on reconstitution - straw 2
 pH 5.6 ± 0.2 at 25°C
 Clarity - clear
 Gel strength - firm, comparable to 15.0g/litre of agar

Microbiological Tests Using Optimum Inoculum Dilution

Control Media: Tryptone Soya Agar or Sabouraud Dextrose Agar, where appropriate

Testing performed in accordance with ISO11133:2014

Reactions after incubation at 25 ± 2°C for 5 days

Medium is challenged with 50-120 colony-forming units

Saccharomyces cerevisiae ATCC®9763 WDCM00058 Cream colonies

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<i>Wallemia sebi</i>	ATCC®42694	WDCM00182	Brown mycelia with or without brown spores
<i>Aspergillus restrictus</i>	ATCC®42693	WDCM00183	White mycelia with or without green spores
<i>Eurotium rubrum</i>	ATCC®42690	WDCM00184	White mycelia with or without yellow/orange spores

A satisfactory result is represented by recovery of positive strains equal to or greater than 70% of the control medium.

Medium is challenged with 1E+04 to 1E+06 colony-forming units

<i>Escherichia coli</i>	ATCC®25922	WDCM00013	No growth
<i>Bacillus subtilis</i>	ATCC®6633	WDCM00003	No growth

Negative strains are inhibited.

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Revision History

Section / Step	Description of Change	Reason for Change	Reference
Entire Document	Creation of new MBD-BT-SPEC	New document	N/A