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OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION		
DICHLORAN-GLYCEROL (DG18) (ISO) AGAR BASE (CM1150)		

DICHLORAN-GLYCEROL (DG18) (ISO) AGAR BASE

CM1150

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

* 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). Rehydrate 1 vial of Chloramphenicol Supplement (SR0078E) as directed and add to the DG18 Agar Base. 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
 Moisture level - less than 7%
 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

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Testing performed in accordance with ISO11133:2014

Tested with the addition of Chloramphenicol Supplement SR0078

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

Medium is challenged with 50-120 colony forming units

<i>Saccharomyces cerevisiae</i>	ATCC® 9763	WDCM00058	1-3mm cream colonies
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A satisfactory result is represented by recovery of positive strains equal to or greater than 70% of the control medium.

Medium is challenged with 50-120 colony forming units

<i>Wallemia sebi</i>	ATCC® 42694	WDCM00182	0.5-5mm brown mycelia with or without brown spores
<i>Aspergillus caesiellus</i>	ATCC® 42693	WDCM00183	0.5-6mm white mycelia with or without green spores
<i>Eurotium rubrum</i>	ATCC® 42690	WDCM00184	<30mm white mycelia with or without yellow/orange spores

A satisfactory result is represented by recovery of positive strains equal to or greater than 50% of the control medium.

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

<i>Escherichia coli</i>	ATCC® 8739	WDCM00012	No growth
<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
Creation of ISO11133 section	Update to include testing of ISO11133:2014	Change control	BT-CC-1292