

	Document Owner Department: QC	BT-SPEC-0197
		Page 1 of 4
<b>OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION</b>		
<b>DICHLORAN-GLYCEROL (DG18) AGAR BASE (CM0729)</b>		

**DICHLORAN-GLYCEROL (DG18) AGAR BASE**

**CM0729**

**Typical Formula\***

Peptone	grams per litre	5.0
Glucose		10.0
Potassium dihydrogen 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. Add 110ml of glycerol. Bring to the boil to dissolve completely. Add the contents of 1 vial of Chloramphenicol Supplement (SR0078E) reconstituted as directed\*\*. Sterilize by autoclaving at 121°C for 15 minutes. Cool to 50°C. Mix well and pour into sterile Petri dishes.

\*\* Supplement may be aseptically added post-sterilization.

**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

	Document Owner Department: QC	BT-SPEC-0197
		Page 2 of 4
<b>OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION</b>		
<b>DICHLORAN-GLYCEROL (DG18) AGAR BASE (CM0729)</b>		

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

Tested with the addition of Chloramphenicol Supplement SR0078

Medium is challenged with 10-100 colony-forming units

<i>Candida albicans</i>	ATCC® 10231	2-5mm cream colonies
<i>Aspergillus flavus</i>	ATCC® 22547	Greater than 10mm colonies, white mycelia, yellow / green spores
<i>Aspergillus brasiliensis</i>	ATCC® 16404	Less than 30mm colonies, white mycelia, black spores
<i>Penicillium aurantiogriseum</i>	ATCC® 16025	Less than 30mm colonies, white mycelia, green spores / no spores
<i>Mucor racemosus</i>	ATCC® 42647	Greater than 10mm colonies, white mycelia, brown spores

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

### 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

<i>Saccharomyces cerevisiae</i>	ATCC® 9763	WDCM00058	1-3mm cream colonies
---------------------------------	------------	-----------	----------------------

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

	Document Owner Department: QC	BT-SPEC-0197
		Page 3 of 4
<b>OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION</b>		
<b>DICHLORAN-GLYCEROL (DG18) AGAR BASE (CM0729)</b>		

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.

	Document Owner Department: QC	BT-SPEC-0197
		Page 4 of 4
<b>OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION</b>		
<b>DICHLORAN-GLYCEROL (DG18) AGAR BASE (CM0729)</b>		

### Revision History

Section / Step	Description of Change	Reason for Change	Reference
Microbiological Testing	Update of <i>Mucor racemosus</i> morphology	Change control	BT-CC-1465