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<b>OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION</b>		
<b>DICHLORAN ROSE-BENGAL CHLORAMPHENICOL AGAR CM0727</b>		

**DICHLORAN ROSE-BENGAL CHLORAMPHENICOL AGAR**

**CM0727**

**Typical Formula\***

Peptone	grams per litre	5.0
Glucose		10.0
Potassium dihydrogen phosphate		1.0
Magnesium sulphate		0.5
Dichloran		0.002
Rose-Bengal		0.025
Agar		15.0

\* adjusted as required to meet performance standards

**Directions**

Suspend 15.75g in 500ml of distilled water. 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**

Pink, free-flowing powder  
 Colour on reconstitution - pink  
 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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#### 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>Rhodotorula rubra</i>	ATCC® 9449	1-4mm pink colonies
<i>Aspergillus flavus</i>	ATCC® 22547	Greater than 10mm colonies, white mycelia, yellow/green spores
<i>Penicillium aurantiogriseum</i>	ATCC® 16025	Less than 30mm colonies, white mycelia, green spores/no 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>Candida albicans</i>	ATCC® 10231	WDCM00054	1-4mm pink colonies
<i>Saccharomyces cerevisiae</i>	ATCC® 9763	WDCM00058	1-4mm pink colonies
<i>Aspergillus brasiliensis</i>	ATCC® 16404	WDCM00053	Less than 30mm colonies, white mycelia, black spores
<i>Mucor racemosus</i>	ATCC® 42647	WDCM00181	Less than 30mm colonies, white mycelia, pale brown spores/no 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® 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
Microbiological Tests	Removal of erroneously duplicated negative strains	Negative strains only tested in accordance with ISO 11133:2014	N/A