OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION

ROSE-BENGAL CHLORAMPHENICOL AGAR BASE CM0549

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Typical Formula*

Mycological peptone	grams per litre	5.0
Glucose		10.0
Di-potassium phosphate		1.0
Magnesium sulphate		0.5
Rose-Bengal		0.05
Agar		15.5

* adjusted as required to meet performance standards

Directions

Suspend 16g 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 5 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 or equal to 7%
pH 7.2 ± 0.2 at 25°C
Clarity - clear
Gel strength - firm, comparable to 15.5g/litre of agar

Microbiological Tests Using Optimum Inoculum Dilution

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

Reactions after incubation at 25°C for 5 days

Tested with the addition of Chloramphenicol Supplement SR0078

Medium is challenged with 10-100 colony-forming units

Candida albicans	ATCC®10231	1-4mm pink colonies
Saccharomyces cerevisiae	ATCC®9763	1-4mm pink colonies
Rhodotorula rubra	ATCC®9449	1-4mm pink colonies
Aspergillus flavus	ATCC®22547	Greater than 10mm colonies, white mycelia,

		yellow/green spores
Aspergillus brasiliensis	ATCC®16404	Greater than 10mm colonies, white mycelia, black spores
Penicillium aurantiogriseum	ATCC®16025	Greater than 10mm colonies, white mycelia, green spores/no spores
Mucor racemosus	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.

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

Bacillus subtilis	ATCC®6633	No growth
Escherichia coli	ATCC®25922	No growth
Enterococcus faecalis	ATCC®29212	No growth

Negative strains are inhibited.

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Revision History

Section / Step	Description of Change	Reason for Change	Reference
Entire Document	Update to new document format and correction of typographical/minor errors. Change ATCC®16205 to ATCC®16025. Addition of Base to name.	Change control	BT-CC-2263