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OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION		
CHLORAMPHENICOL SUPPLEMENT SR0078H		

CHLORAMPHENICOL SUPPLEMENT

SR0078H

Formula

Vial contents (each vial is sufficient to supplement 2 litres of medium)

Chloramphenicol 200.0 mg

Description

A selective supplement for the isolation of yeasts and moulds.

Directions

Aseptically add 12ml of ethanol to 1 vial and mix gently to dissolve. Add the vial contents to 2 litres of AFPA Base (CM0731), Dichloran-Glycerol (DG18) Agar Base (CM0729), DRBC Agar Base (CM0727) or Rose Bengal Chloramphenicol Agar Base (CM0549) prepared as directed*. Sterilize as directed. Cool to 50°C. Mix well and pour into sterile Petri dishes.

Alternatively, for CGYE Agar, add the vial contents to 2 litres of Oxytetracycline-Glucose-Yeast Extract Agar (CM0545) prepared as directed*. Sterilize as directed. Cool to 50°C. Mix well and pour into sterile Petri dishes.

* Supplement may be aseptically added post-sterilization

Physical Characteristics

White powder/pellet

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 in Rose-Bengal Chloramphenicol Agar CM0549

Medium is challenged with 10-100 colony-forming units

<i>Candida albicans</i>	ATCC®10231	1-4mm pink colonies
<i>Saccharomyces cerevisiae</i>	ATCC®9763	1-4mm pink colonies
<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>Aspergillus brasiliensis</i>	ATCC®16404	Greater than 10mm colonies, white mycelia, black spores

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<i>Penicillium aurantiogriseum</i>	ATCC® 16025	Greater than 10mm 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.

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

<i>Bacillus subtilis</i>	ATCC® 6633	No growth
<i>Escherichia coli</i>	ATCC® 25922	No growth
<i>Enterococcus faecalis</i>	ATCC® 29212	No growth

Negative strains are inhibited.

Reactions after incubation at 25°C for 3-5 days

Tested in Oxytetracycline-Glucose-Yeast Extract Agar CM0545

Medium is challenged with 10-100 colony-forming units


<i>Candida albicans</i>	ATCC® 10231	2-5mm cream colonies
<i>Saccharomyces cerevisiae</i>	ATCC® 9763	2-5mm cream colonies
<i>Aspergillus brasiliensis</i>	ATCC® 16404	Greater than 10mm colonies, white mycelia, black spores
<i>Penicillium aurantiogriseum</i>	ATCC® 16025	Greater than 10mm 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.

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

<i>Bacillus subtilis</i>	ATCC® 6633	No growth
<i>Escherichia coli</i>	ATCC® 25922	No growth
<i>Escherichia coli</i>	ATCC® 8739	No growth

Negative strains are inhibited.

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Revision History

Section / Step	Description of Change	Reason for Change	Reference
Entire Document	Removal of Statement (ISO/CEN 11133-2 control strains are included in the test panel). Update to new format and the correction of typographical/minor errors. Addition of Control Media and Result Criteria.	Change control	BT-CC-2384