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OXOID QUALITY ASSURANCE PRODUCT SPECIFICATION		
CZAPEK DOX AGAR MODIFIED CM0097		

CZAPEK DOX AGAR MODIFIED

CM0097

Typical Formula*

	grams per litre
Sodium nitrate	2.0
Potassium chloride	0.5
Magnesium glycerophosphate	0.5
Ferrous sulphate	0.01
Potassium sulphate	0.35
Sucrose	30.0
Agar	12.0

* adjusted as required to meet performance standards

Directions

Suspend 45.4g in 1 litre of distilled water. Bring to the boil to dissolve completely. Sterilize by autoclaving at 121°C for 15 minutes. Cool to 50°C. Mix well and pour into sterile Petri dishes. If required, the medium may be acidified to pH 3.5 by cooling to 50°C and adding 10ml of Lactic Acid 10% (SR0021) per litre. Do not reheat after acidification.

Physical Characteristics

White, free-flowing powder
 Colour on reconstitution - off white
 Moisture level - less than or equal to 7%
 pH - 6.8 ± 0.2 at 25°C
 Clarity - clear
 Gel strength - firm, comparable to 12.0g/litre of agar

Microbiological Tests Using Optimum Inoculum Dilution

Control Media: Tryptone Soya Agar or Sabouraud Dextrose Agar

Reactions after incubation at 25°C for 5 days

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

<i>Aspergillus brasiliensis</i>	ATCC®9642	Greater than 10mm colonies, yellow/white mycelia, black spores
<i>Penicillium chrysogenum</i>	ATCC®9179	Greater than 10mm colonies, white mycelia, green spores
<i>Candida albicans</i>	ATCC®10231	Inhibited/good growth, 0.25-2mm cream colonies

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Bacillus cereus

ATCC®10876

Inhibited/good growth, 0.5-1mm irregular white colonies

A satisfactory result is represented by reactions in accordance with the specification.

Plates inoculated with *Candida albicans* ATCC®10231 shall produce Chlamydospores comparable to the standard medium.

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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 control	BT-CC-1931
Microbiological Tests	Addition of Control Media and Result Criteria. Correction of <i>Aspergillus niger</i> to <i>brasiliensis</i> and <i>Penicillium notatum</i> to <i>chrysogenum</i> . Correction of NCTC7464 to ATCC®10876.	Change control	BT-CC-1931