

Distribution: Central File

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**OXOID QUALITY ASSURANCE
PRODUCT SPECIFICATION**

SABOURAUD DEXTROSE AGAR

CM0041

Typical Formula*

Mycological peptone	grams per litre	10.0
Glucose		40.0
Agar		15.0

* adjusted as required to meet performance standards

Directions

Suspend 65g in 1 litre of distilled water. Bring to the boil to dissolve completely. Sterilize by autoclaving at 121°C for 15 minutes. Mix well and pour into sterile Petri dishes.

Physical Characteristics

Straw, free-flowing powder

Colour on reconstitution - straw 1-2

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 Medium: Sabouraud Dextrose Agar

Medium is challenged with 10-100 colony-forming units

Reactions after incubation at 20-25°C for up to 5 days

<i>Saccharomyces carlsbergensis</i>	ATCC® 2700	2-6mm cream, domed colonies
<i>Candida albicans</i>	ATCC® 10231	2-6mm cream, domed colonies
<i>Aspergillus brasiliensis</i>	ATCC® 16404	Greater than 10mm colonies, white mycelia, black 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 $25 \pm 2^{\circ}\text{C}$ for 5 days

Medium is challenged with 50-120 colony-forming units

<i>Saccharomyces cerevisiae</i>	ATCC® 9763	WDCM00058	2-6mm cream, domed colonies
<i>Aspergillus brasiliensis</i>	ATCC® 16404	WDCM00053	Greater than 10mm colonies, white mycelia, black spores

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