

Distribution: Central File

Date: 20/03/17

Supersedes: 05/12/12

## 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  $5.6 \pm 0.2$  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 |

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