

## Specification

Solid medium for the enumeration and cultivation of fungi according to the Pharmacopeial Harmonised Method and ISO standard.

## Presentation

	Packaging Details	Shelf Life	Storage
20 Tubes / Slant Tube 16 x 113 mm with: 6,2 ± 0.2 ml	1 box with 20 tubes, 16x113 mm glass tubes, ink labelled and metal cap.	12 months	8-25 °C

## Composition

Composition (g/l):	
D(+)-Glucose.....	40.0
Peptone from casein .....	5.00
Meat Peptone.....	5.00
Agar.....	15.0

## Description /Technique

### Description

Sabouraud Dextrose Agar is a modification of the classical Sabouraud medium for the cultivation of fungi. This new formula helps to maintain the morphology of fungi, providing a reliable medium for both cultivation and differentiation. Its selectivity is due to a low pH and a high glucose concentration, which together with incubation at a relatively lower temperature (25-30°C) favours the growth of fungi while discouraging that of bacteria. The mixture of peptones employed has been selected to provide the fungi with all their nitrogen requirements.

### Technique:

To inoculate tubes follow the standard laboratory methods or the applicable norms: stab inoculation, loop inoculation etc.

Incubate the tubes right side up aerobically at 20-25°C for 48-72h.

(Incubation times greater than those mentioned above or different incubation temperatures may be required depending on the sample, on the specifications, This medium can be inoculated directly or after treatment of the sample).

Each laboratory must evaluate the results according to their specifications.

### Precautions

For in vitro diagnostic use. Do not reuse. For professional use only.

Do not use the product if it shows evidence of microbial contamination, discoloration, drying, cracking or other signs of deterioration.

## Quality control

### Physical/Chemical control

Color : Straw-coloured yellow      pH: 5.6 ± 0.2 at 25°C

### Microbiological control

Isolation by loop spreading

Analytical methodology according to ISO 11133:2014/A1:2018; A2:2020.

Aerobiosis. Incubation at 20-25°C and 30-35°C. Reading at 72 hours for bacteria and 3-5 days for yeast and moulds.

### Microorganism

*Aspergillus brasiliensis* ATCC® 16404, WDCM 00053  
*S. cerevisiae* ATCC® 9763, WDCM 00058  
*Candida albicans* ATCC® 10231, WDCM 00054 (20-25°C)  
*Candida albicans* ATCC® 10231, WDCM 00054 (30-35°C)

### Growth

Good (≥70%)  
 Good (≥70%)  
 Good (≥70%)  
 Good (≥70%)

### Sterility control

Incubation 48 h at 30-35 °C and 48 h at 20-25 °C: NO GROWTH.

Check at 7 days after incubation in same conditions.

## Bibliography

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