

SABOURAUD DEXTROSE BROTH

IVD in Class A, EU Reg. 2017/746

 For in vitro diagnostic use **IVD**

Used in qualitative procedures for culturing yeasts, molds and aciduric microorganisms. Sabouraud Dextrose Broth meets United States Pharmacopeia (USP), European Pharmacopoeia (EP) and Japanese Pharmacopoeia (JP) performance specifications.

DESCRIPTION

Sabouraud Dextrose Broth is used for culturing yeasts and molds in cosmetics. The USP recommends the use of Sabouraud Dextrose Broth when isolating *Candida albicans* from nonsterile pharmaceutical products.

PRINCIPLE

Sabouraud dextrose media are peptone media supplemented with dextrose to support the growth of fungi. Peptones are sources of nitrogenous growth factors. The carbohydrate provides an energy source for the growth of microorganisms.

COMPOSITION

	g/L
Peptic Digest of Animal Tissue	5.0 g
Pancreatic Digest of Casein	5.0 g
Dextrose	20.0 g

Final pH 5,7 ± 0,2 at 25°C

WARNING AND PRECAUTIONS

For in vitro diagnostic use.

Observe the precautions normally taken when handling laboratory reagents.

Dehydrated medium: HIGHLY HYGROSCOPIC. During the handling, wear dust protection mask. Avoid the eye contact. Do not use beyond the expiration date or if the product shows signs of deterioration, an altered color or has compacted.

Prepared Medium: The product does not contain hazardous substances in concentrations exceeding the limits set by current legislation and therefore is not classified as dangerous.

Safety Data Sheet is available on request for professional users.

All waste must be disposed of according to local directives.

STORAGE AND STABILITY

Dehydrated medium:	10-30°C
Prepared medium:	10-25°C

SABOURAUD DEXTROSE BROTH is stable until the expiration date indicated on the label under the recommended storage conditions.

PREPARATION

Dehydrated medium: Suspend 30 g of the powder in 1 liter of distilled or deionized water. Mix well. Heat to boil shaking frequently until completely dissolved. Dispense into appropriate containers. Sterilize in autoclave at 121°C for 15 minutes.

Prepared medium (tubes): ready to use.

PROCEDURE

For clinical specimens, refer to laboratory procedures for details on specimen collection and handling. For clinical specimens, refer to appropriate standard references for details on testing protocol to obtain isolated colonies from specimens using Sabouraud Dextrose Agar and Sabouraud Dextrose Broth.

For cosmetic, food or environmental monitoring samples, follow appropriate standard methods for details on sample collection and preparation according to sample type and geographic location. For cosmetic, food or environmental monitoring samples, refer to appropriate standard references for details on test methods using Sabouraud Dextrose Agar or Sabouraud Dextrose Broth.

For pharmaceutical samples, refer to the USP for details on sample collection and preparation for testing of nonsterile products. For pharmaceutical samples, refer to USP General Chapters <61> and <62> for details on the examination of non sterile products and performing microbial enumeration tests and the isolation of *Candida albicans* using Sabouraud Dextrose Agar and Sabouraud Dextrose Broth.

For isolation of fungi from potentially contaminated specimens, a selective medium should be inoculated along with the nonselective medium. Incubate the containers at 25-30°C with increased humidity. All cultures should be examined at least weekly for fungal growth and should be held for 4-6 weeks before being reported as negative.

RESULTS

Turbidity indicates microbial growth.

QUALITY CONTROL

Dehydrated medium: free-flowing, homogeneous, white to light beige.

Prepared medium: clear, light amber, may have a slight precipitate.

Typical response after incubation at 32.5 ± 2.5°C for 48-72 h (*C. albicans*) and at 22.5 ± 2.5°C for up to 5 days (all listed organisms), under aerobic atmosphere:

MICROORGANISM	GROWTH
<i>Saccharomyces cerevisiae</i> ATCC® 9763	Luxuriant/Good
<i>Candida albicans</i> ATCC® 10231	Luxuriant/Good
<i>Aspergillus brasiliensis</i> ATCC® 16404	Luxuriant/Good

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PRESENTATION

Packaging
REF.

Dehydrated medium:

SABOURAUD DEXTROSE BROTH

100 g	11146
500 g (16.6 L)	10146

Prepared medium:

SABOURAUD DEXTROSE BROTH

20 x 10 mL tubes	5105/20
100 x 10 mL tubes	5105/100

SYMBOLS


Read the instructions

Biological hazard

CE Mark (product complies with the requirements of Regulation (EU) 746/2017)

Temperature limitation

Use by

For in vitro diagnostic use

Manufacturer