



Hy Laboratories Ltd.

6 Menachem Plaut St., Park Tamar, Rehovot 7670606, Israel

Tel. +972.8.9366475 Fax. +972.8.9366474

hylabs@hylabs.co.il | www.hylabs.co.il

## Cat No. BP290 / TT221 - SABOURAUD DEXTROSE BROTH Cat No. PD044 / BP029 - SABOURAUD DEXTROSE AGAR

**Product Type:** Sabouraud Dextrose Broth: Bottle product, Tubes product  
Sabouraud Dextrose Agar: 90 mm Petri dish, Bottle product: 40ml – 400ml

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

**Sabouraud Dextrose Agar** is used in qualitative procedures for cultivation of pathogenic and nonpathogenic fungi, particularly dermatophytes.

**Intended Use – 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. Fluid Sabouraud Medium is used for cultivating yeasts, molds and aciduric microorganisms and for detecting yeasts and molds in normally sterile materials.

**Sabouraud Dextrose Agar** is also recommended for the testing of cosmetic and food. General Chapters <61> and <62> of the USP describe test methods for using Sabouraud Dextrose Agar when performing the microbial enumeration tests and tests for isolating *Candida albicans* from nonsterile pharmaceutical products.<sup>1</sup>

### Composition

#### Sabouraud Dextrose Broth

Peptic digest of Animal Tissue - 5g/L,

Pancreatic digest of Casein - 5g/L,

Dextrose - 20g/L

#### Sabouraud Dextrose Agar

Peptic Digest of Animal Tissue - 5.0 g/L

Pancreatic Digest of Casein - 5.0 g/L

Dextrose - 40.0 g/L

Agar - 15.0 g/L

**Storage:** 2-25 °C - Bottles, Plates. 15-25°C - Tubes

**pH at RT** - 5.6 ± 0.2

**Appearance:** Light amber, clear.

**Warning and Precautions** - For professional use only. Follow good microbiological lab practices while handling specimens and culture. Do not use Bottles/Plates/Tubes if they show evidence of microbial contamination, discoloration, drying, cracking, or other signs of deterioration. Avoid freezing and overheating. The Bottles /Plates/Tubes may be used / inoculated up to the expiration date and incubated for the recommended incubation times. After use and prior to discarding, specimen containers and all contaminated material, including the used culture media and contaminated culture containers, must be sterilized or incinerated by validated procedures. Since the nutritional requirements of organisms vary, some strains may be encountered that fail to grow or grow poorly on this medium.

### Performance Testing Results Sabouraud Dextrose Broth:

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GPT: inoculum 10-100 cfu.

TEST	ATCC	Incubation Temp.(°C)	Incubation Cond.	Reaction 1
<i>Candida albicans</i>	10231	20-25 °C	Aerobic, 3-5 days	Good
<i>Aspergillus brasiliensis</i>	16404	20-25 °C	Aerobic, 3-5 days	Good
<i>Candida albicans</i>	10231	30-35 °C	Aerobic, 3 days	Good

## QC performance Testing Results Sabouraud Dextrose Agar:

GPT: Inoculum 10-100 cfu.

TEST	ATCC	Incubation Temp.(°C)	Incubation Cond.
<i>Candida albicans</i>	10231	20-25	Aerobic, 5 days
<i>Saccharomyces cerevisiae</i>	2338	20-25	Aerobic, 5 days
<i>Aspergilliensis brasiliensis</i>	16404	20-25	Aerobic, 5 days
<i>Penicillium expansum</i>	7861	20-25	Aerobic, 5 days
<i>Candida albicans</i>	10231	30-35	Aerobic, 24 hours

## Limitation of the product:

Some fungi may be inhibited by the acidic pH and antimicrobics in the medium