

# TECHNICAL DATA SHEET

## SABOURAUD DEXTROSE BROTH

### CULTURE OF YEASTS AND MOLDS

#### 1 INTENDED USE

Sabouraud Dextrose Broth is recommended for the detection of *Candida albicans* in non-sterile products according to the harmonized Pharmacopeia.

It is also used as a nutrient media for the growth of yeasts and molds.

The typical composition responds to the that defined in the European and US Pharmacopeia.

#### 2 PRINCIPLES

Meat and casein digests, sources of nitrogen and carbohydrates, are factors for the development of yeasts, molds and acidophilic bacteria.

Glucose is an energy source.

#### 3 TYPICAL COMPOSITION

The composition can be adjusted in order to obtain optimal performance.

For 1 liter of media :

- Tryptone ..... 5,0 g
- Peptic digest of Meat..... 5,0 g
- Dextrose ..... 20,0 g

pH of the ready-to-use media at 25 °C : 5,6 ± 0,2.

#### 4 PREPARATION

- Dissolve 30,0 g of dehydrated media (BK026) in 1 liter of distilled or demineralized water.
- Stir slowly until complete dissolution.
- Dispense into 10 mL tubes or 100 mL vials.
- Sterilize in an autoclave at 121 °C for 15 minutes.
- Cool the media to room temperature.

✓ **Reconstitution :**  
30,0 g/L

✓ **Sterilization :**  
15 min at 121 °C

#### 5 INSTRUCTIONS FOR USE

- Following the Pharmacopeia, transfer 10 mL of a sample to test and its serial dilutions in 100 mL of broth.
- Incubate at 30-35 °C for 3 to 5 days.
- Re-inoculate onto Sabaroad Dextrose agar and incubate 24 to 48 jours at 30-35 °C

✓ **Inoculation :**  
10 mL in 100 mL

✓ **Incubation :**  
3 to 5 days at 30-35 °C

**Note :**

For the culture of certain of yeasts and molds, incubate at 20-25 °C for 2 to 3 days.

#### 6 RESULTS

Growth is demonstrated by turbidity in the media.

## 7 QUALITY CONTROL

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**Dehydrated media** : cream-white powder, free-flowing and homogeneous.

**Prepared media** : light amber solution, limpid.

Typical culture response after 72 hours of incubation at 30-35 °C :

Microorganisms		Growth
<i>Candida albicans</i>	WDCM 00054	Positive

Typical culture response after 48-72 hours of incubation at 20-25 °C (NF EN ISO 11133):

Microorganisms		Growth
<i>Saccharomyces cerevisiae</i>	WDCM 00058	Positive
<i>Aspergillus brasiliensis</i>	WDCM 00053	Positive

## 8 STORAGE / SHELF LIFE

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**Dehydrated media** : 2-30 °C.

The expiration date is indicated on the label.

**Prepared media in tubes or vials (\*)** : 180 days at 2-25 °C.

(\*) Benchmark value determined under standard preparation conditions, following manufacturer's instructions.

## 9 PACKAGING

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**Dehydrated media** :

500 g bottle ..... BK026HA

## 10 BIBLIOGRAPHY

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Pharmacopée Européenne. 2014. 8ème édition. Chapitre 2.6.13. Contrôle microbiologique des produits non stériles : Recherche de microorganismes spécifiés..

## 11 ADDITIONAL INFORMATION

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The information provided on the labels take precedence over the formulations or instructions described in this document and are susceptible to modification at any time, without warning.

Document code : SABOURAUD BROTH\_EN v9

Creation date : 02-2000

Updated : 05-2016

Origin of revision : General update.