

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

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

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

Dehydrated media :

500 g bottle BK026HA

10 BIBLIOGRAPHY

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

11 ADDITIONAL INFORMATION

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.

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