

**SABOURAUD DEXTROSE BROTH****TM 388**

For cultivation of yeasts, molds and aciduric microorganisms

Composition

Ingredients	Gms/Ltr.
Dextrose	20.00
Peptone, special	10.00

* Dehydrated powder, hygroscopic in nature, store, in a dry place in tightly- sealed containers below 25°C and protect from direct Sunlight.

Instructions for Use

Dissolve 30gms in 1000ml distilled water. Gently heat to boiling with gentle swirling and dissolve the medium completely. Sterilize by autoclaving at 15 psi pressure (121°C) for 15 minutes. Cool to room temperature prior to dispense.

Appearance: Light yellow, clear

pH (at 25°C): 5.6 ± 0.2

Principle

SABOURAUD DEXTROSE BROTH is used for the cultivation of fungi, particularly those associated with skin infections. Peptone special provides nitrogen, vitamins, minerals, amino acids and growth factors. Dextrose provides an energy source for the growth of microorganisms. The low pH favours fungal growth and inhibits contaminating bacteria from clinical specimens. The acid reaction of the final medium is inhibitory to a large number of bacteria making it particularly useful for cultivating fungi and aciduric microorganisms. Incubate cultures for 4 to 6 weeks before reporting as negative results at more than 30°C temperature.

Interpretation

Cultural characteristics observed after inoculating (10^3 CFU/ml), on incubation at 25 - 30°C for 48 - 72 hours.

Microorganisms	ATCC	Inoculum (CFU/ml)	Growth
<i>Candida albicans</i>	10231	10^3	Good
<i>Aspergillus niger</i>	16404	Point inoculation	Good
<i>Saccharomyces cerevisiae</i>	9763	10^3	Good

Reference

1. Carlier G. I. M., Brit. J. Derm. Syph., 60:61. (1984).
2. Sabouraud R., Ann. Dermatol. Syphil. 3: 1061. (1892).