



## Product Data Sheet

### **SABOURAUD DEXTROSE BROTH**

**Product No.** GB-DCM-00442-1A

### **INTENDED USE**

For cultivation of yeasts, molds and aciduric microorganisms.

### **PRODUCT SUMMARY**

Sabouraud Dextrose Agar is Carliers modifications of the formulation described by Sabouraud for the cultivation of fungi, particularly those associated with skin infections. The medium is also recommended by APHA. Sabouraud Dextrose Broth is also a modification by Sabouraud and serves the same purpose as Sabouraud Dextrose Agar Medium 3.

### **Product Specifications**

| <b>Ingredients</b> | <b>Gms / Ltr</b> |
|--------------------|------------------|
| Dextrose           | 20.000           |
| Peptone, special   | 10.000           |

### **PRINCIPLE**

Sabouraud dextrose media are peptone media supplemented with dextrose to support the growth of fungi. Peptone special provides carbon and nitrogen source, vitamins, minerals, amino acids and growth factors. Dextrose provides an energy source for the growth of microorganisms. The low pH favors 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. For isolation of fungi from contaminated specimens, a selective medium should be inoculated simultaneously. Incubate cultures for 4 to 6 weeks before reporting as negative.

### **INSTRUCTION FOR USE**

- Dissolve 30.0 grams in 1000 ml purified/ distilled water.
- Heat if necessary to dissolve the medium completely.
- Mix well and dispense in tubes or flasks as desired.
- Sterilize by autoclaving at 15 psi pressure (121°C) for 15 minutes.

### **DISPOSAL**

After use, prepared plates, specimen/sample containers and other contaminated materials must be sterilized before discarding.

| Microorganism           | ATCC  | Inoculum (CFU/ml) | Growth    | Recovery | Incubation Temperature | Incubation Period |
|-------------------------|-------|-------------------|-----------|----------|------------------------|-------------------|
| Bacteroides fragilis    | 25285 | 10-100            | luxuriant | 20-30%   | 35-37°C                | 18-48 Hours       |
| Clostridium sporogenes  | 13732 | 50-100            | luxuriant | 20-30%   | 35-37°C                | 18-48 Hours       |
| Clostridium perfringens | 12924 | 50-100            | luxuriant | ≥50%     | 35-37°C                | 18-48 Hours       |
| Clostridium sporogenes  | 11437 | 50-100            | luxuriant | ≥50%     | 35-37°C                | 18-48 Hours       |
| Escherichia coli        | 25922 | ≥10 <sup>4</sup>  | Inhibited | 0-10%    | 35-37°C                | 18-48 Hours       |
| Streptococcus pyogenes  | 19615 | 50-100            | luxuriant | 20-40%   | 35-37°C                | 18-48 Hours       |

### QUALITY CONTROL SPECIFICATIONS

**Appearance of Powder** : Cream to yellow, homogeneous free flowing powder

**Appearance of prepared medium** : Light amber colored clear solution in tubes.

pH (at 25°C) : 5.6±0.2

### STORAGE

Dehydrated powder, hygroscopic in nature, store in a dry place, in tightly-sealed containers between 25-30°C and protect from direct sunlight. Under optimal conditions, the medium has a shelf life of 4 years. When the container is opened for the first time, note the time and date on the label space provided on the container. After the desired amount of medium has been taken out replace the cap tightly to protect from hydration.

**Product Deterioration:** Do not use if they show evidence of microbial contamination, discoloration, drying or any other signs of deterioration.

**This product is for research use only.**