

S3306 (Sabouraud Glucose Broth) Sabouraud Dextrose Broth

Sabouraud Dextrose Broth is recommended for the selective cultivation of yeasts, molds and aciduric bacteria.

Composition:

| Ingredients | Grams/Litre |
|------------------------------|-------------|
| Mycological Peptone | 10.0 |
| Dextrose | 20.0 |
| Final pH 5.6 +/- 0.2 at 25°C | |

Store prepared media below 8°C, protected from direct light. Store dehydrated powder in a dry place in tightly-sealed containers at 2-25°C.

Appearance: Light yellow colored, homogeneous, free flowing powder.

Color and Clarity: Light amber colored, clear solution without any precipitate.

Directions:

Suspend 30 g of Sabouraud Dextrose Broth in 1000 ml of distilled water. Heat to boiling to dissolve the medium completely. Sterilize by autoclaving at 15 lbs. pressure. (121°C) for 15 minutes.

Principle and Interpretation:

Sabouraud Dextrose Broth is particularly useful for the cultivation of fungi associated with skin infections. Mycological peptone provides nitrogenous compounds. Dextrose provides an energy source. The low pH favors fungal growth and inhibits contaminating bacteria.

Cultural characteristics after 40-72 hours at 30°C.

| Organisms (ATCC) | Growth |
|--|--------|
| <i>Aspergillus niger</i> (16404) | +++ |
| <i>Candida albicans</i> (10231) | +++ |
| <i>Saccharomyces cerevisiae</i> (9763) | +++ |
| <i>Escherichia coli</i> (25922) | +++ |
| <i>Lactobacillus casei</i> (9595) | +++ |

References:

1. Sabouraud, R., (1892). Ann. Dermatol. Syphilol. 3, 1061.
2. American Type Culture Collection, Manassas, Va., U.S.A.

Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

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