Sabouraud-Dextrose Broth(USP)

Catalog : HB0401-9

Sabouraud-dextrose Broth is used for the enrichment culture of molds and yeasts.

Approximate Formula:

Ingredients	gm./liter
Mixture of Peptic Digest of Animal Tissue and Pancreatic Digest of Casein(1:1)	10.0
Dextrose	20.00

Final pH 5.6±0.2 at 25 ℃

*Adjusted and/or supplemented as required to meet performance criteria.

Directions:

Suspend 30.0g of the medium in 1000ml of deionized or distilled water. Mix well and heat with frequent agitation to completely dissolve the powder. Sterilize in an autoclave at 121℃(15 lbs.)for 15 minutes.

Principle and Interpretation:

Mixture of Peptic Digest of Animal Tissue and Pancreatic Digest of Casein provides nitrogenous compounds. Dextrose provides an energy source. High dextrose concentration and low pH favors fungal growth and inhibits contaminating bacteria from clinical specimens.

Appearance:

Dehydrated medium is a free-flowing yellowish powder. The prepared medium is a kind of yellowish transparent liquid.

Precautions:

This medium is for laboratory use only. Dried medium which is past shelf life, caking or color variation cannot be used.

Storage conditions and Shelf life:

Sabouraud-dextrose Broth must be stored tightly capped in the original container at 5-30°C. The dehydrated medium has a shelf life of 5 years from date of manufacturing. Prepared medium may be stored, out of direct light at 2-8°C.

Quality control:

Prepare the culture medium as per label directions. Inoculate and incubate at 20-25℃ for 48-72 h.

Microorganism	Strains Number	Inoculum (CFU)	Growth
Aspergillus niger	ATCC 16404	10-100	Luxuriant
Candida albicans	ATCC 10234	10-100	Luxuriant

References:

1.Collee J. G., Fraser A. G., Marmion B. P., Simmons A., (Eds.), Mackie and cCartney, Practical Medical Microbiology,1996, 14th Edition, Churchill Livingstone.
2.Pezzlo M., 1998, Clin. Microbiol. Rev., 1:268-280.
3.Wilkie M. E., Almond M. K., Marsh F. P., 1992, British Medical Journal 305:1137-1141.

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