

YPD Broth

Catalog : HB5193-3-250

YPD Broth is used for the enrichment cultivation of yeast.

Approximate Formula:

Ingredients	gm/liter
Peptone	20.0
Dextrose	20.0
Yeast extract	10.0

Final pH6.5 ± 0.2 at 25°C

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

Directions:

Suspend 50.0g 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°C (15 lbs.) for 15 minutes.

Principle and Interpretation:

Peptone provides source of carbon, nitrogen, vitamins and minerals. Yeast extract supplies B-complex vitamins which stimulate bacterial growth. Dextrose is the carbohydrate source.

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:

YPD 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°C for 48-96 h.

Microorganism	Strains Number	Inoculum (CFU)	Growth	Remarks
<i>Saccharomyces</i>	ATCC 18790	10-100	Luxuriant	Growing well

Reference:

1. Ausubel, Brent, Kingston, Moore, Seidman, Smith and Struhl. 1994. Current protocols in molecular biology, Current Protocols, Brooklyn, N.Y.