



Reference : 02-473

Scharlau Microbiology - Technical data sheet

Product :
YEAST EXTRACT PEPTONE DEXTROSE BROTH
(YEPD)

Also known as

YPD Broth

Specification

Liquid medium for the cultivation of yeast in molecular biology procedures.

Formula * in g/L

Peptone..... 20.00
Yeast extract..... 10.00
Dextrose..... 20.00

Final pH 6,5 ±0,2 at 25 °C

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

Directions

Dissolve 50 g of powder in 1 L of distilled water, heating if necessary. Distribute into suitable containers and sterilize in the autoclave at 121°C for 15 minutes.

Description

Medium support the growth of most heterotrophic microorganisms. Its simple composition has been adopted as the basal media for the routine cultivation of yeasts for molecular biology studies. YPD Broth contain peptone as a source of carbon, nitrogen, vitamins and minerals. Yeast extract supplies B-complex vitamins which stimulate bacterial growth. Dextrose is the carbohydrate source.

Technique

Proceed according to current regulations or internal specification. Spread the plates by streaking methodology or by spiral method. Incubate at a 25 ± 2°C for 48-72 hours before enumeration. (MF-Pad)

Quality control

Incubation temperature: 25 ± 2°C

Incubation time: 48-72 h

Inoculum: Practical range 100 ± 20 CFU. Min. 50 CFU (Productivity) according to ISO 11133:2014/Amd 1:2018.

Methods MF-Pad

Microorganism	Growth	Remarks
<i>Saccharomyces cerevisiae</i> ATCC® 9763	Good	-
<i>Candida albicans</i> ATCC® 10231	Good	-
<i>Saccharomyces cerevisiae</i> ATCC® 2601	Good	-

References

- ATLAS, R.M. & L.C. PARKS (1993) Handbook of Microbiological Media. CRC Press. Boca Raton. Fla.
- AUSUBEL, F.M., R. BRENT, R.E. KINGSTON, D.D. MOORE, J.G. SEIDMAN, J.A. SMITH & K. STRUHL (1994) Current Protocols in Molecular Biology. Current Protocols. Brooklyn. NY.
- MARTINEZ, J.P., M.L. GIL, M. CASANOVA, J.L. LOPEZ-RIBOT, J. GARCIA de LOMAS & R. SENTANDREU (1990) Wall mannoproteins in the cells from colonial phenotypic variants. J. gen. Microbiol. 136:2421-2432.
- SHERMAN, F. (1991) Studies on the phenotype switching with *Candida albicans*. Meth. Enzimol. 194:3-17.

Storage

For laboratory use only. Keep tightly closed, away from bright light, in a cool dry place (+4 °C to 30 °C).