

Specification

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

Presentation

20 Prepared plates
90 mm
with: 21 ± 2 ml

Packaging Details

1 box with 2 packs of 10 plates/pack. Single cellophane.

Shelf Life

3 months

Storage

2-14°C

Composition

Yeast Extract..... 10.0
Peptone..... 20.0
Dextrose..... 20.0
Agar..... 15.0

Description /Technique

Solid version of the YEPD than supports 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. Agar as the solidifying agent.

This medium can be inoculated directly or after enrichment broth. 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.

Quality control

Physical/Chemical control

Color : Light amber

pH: 6.5 ± 0.2 at 25°C

Microbiological control

Inoculum 100 - 1.000 CFU

Aerobiosis. Incubation at 25°C±1, reading at 24-48-72 h to 5 days.

Microorganism

Growth

S. cerevisiae ATCC® 9763, WDCM 00058

Good

Candida albicans ATCC® 10231, WDCM 00054

Good

Saccharomyces cerevisiae ATCC® 2601

Good

Sterility Control

Incubation 48 hours at 30-35°C and 48 hours at 20-25°C: NO GROWTH

Check at 7 days after incubation in same conditions

Bibliography

- 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.