TM 918 - YPG AGAR

INTENDED USE
For growth of *Saccharomyces cerevisiae* in molecular biology.

PRODUCT SUMMARY AND EXPLANATION
YPG Agar is recommended for the growth of *Saccharomyces cerevisiae* for molecular biology purposes. General methods in yeasts genetics specify using yeast extract, peptone medium for cultivating *Saccharomyces cerevisiae* and other yeasts. The yeast extract allows faster growth so that during exponential or log-phase growth, the cells divide every 90 minutes.

COMPOSITION

Ingredients	Gms / Ltr
Peptic digest of animal tissue	20.000
Yeast extract	10.000
Agar	20.000

PRINCIPLE
Peptic digest of animal tissue provides nitrogenous nutrients. Yeast extract provides nitrogenous nutrients as well as Vitamin B Complex.

INSTRUCTION FOR USE
- Dissolve 50.0 grams in 1000 ml distilled water containing 30 ml glycerol.
- Heat to boiling to dissolve the medium completely.
- Sterilize by autoclaving at 15 psi pressure (121°C) for 15 minutes.

QUALITY CONTROL SPECIFICATIONS
Appearance of Powder : Cream to yellow homogeneous free flowing powder.
Appearance of prepared medium : Light amber coloured clear to slightly opalescent gel forms in Petri plates.

INTERPRETATION
Cultural characteristics observed after an incubation.

Microorganism	ATCC	Inoculum (CFU/ml)	Growth	Recovery	Incubation Temperature	Incubation Period
Aspergillus brasiliensis	16404	10-100	Good-luxuriant	>=50%	25-30°C	48-72 Hours
Candida albicans	10231	10-100	Good-luxuriant	>=50%	25-30°C	48-72 Hours

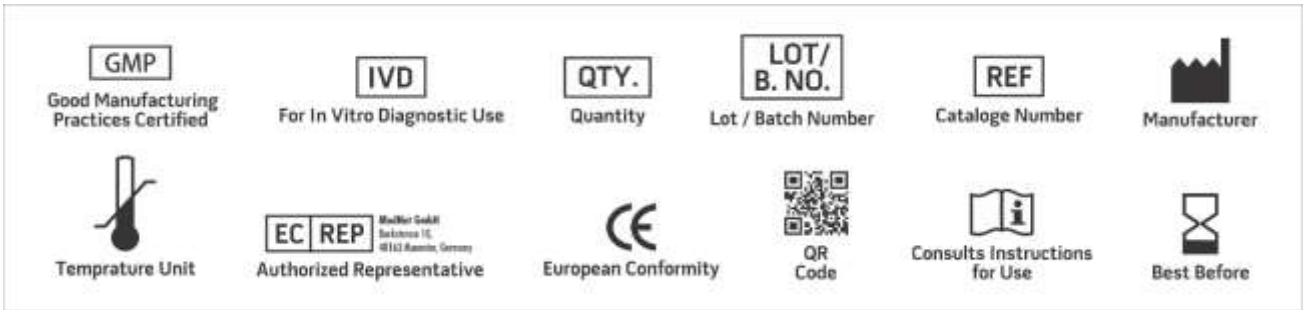
Saccharomyces cerevisiae	9763	10-100	Good-luxuriant	>=50%	25-30°C	48-72 Hours

PACKAGING:
In pack size of 500 gm bottles.

STORAGE
Dehydrated powder, hygroscopic in nature, store in a dry place, in tightly-sealed containers between 25-30°C and protect from direct sunlight. Under optimal conditions, the medium has a shelf life of 4 years. When the container is opened for the first time, note the time and date on the label space provided on the container. After the desired amount of medium has been taken out replace the cap tightly to protect from hydration.
Product Deterioration: Do not use if they show evidence of microbial contamination, discoloration, drying or any other signs of deterioration.

DISPOSAL
After use, prepared plates, specimen/sample containers and other contaminated materials must be sterilized before discarding.

REFERENCES
1. Ausubel F. M., Brent R., Kingston R. E., Moore D. D., Seidman J. G., Smith J. A. and Struhl K., 1994, Current protocols in molecular biology, Current Protocols, Brooklyn, N.Y.



NOTE: Please consult the Material Safety Data Sheet for information regarding hazards and safe handling Practices.

***For Lab Use Only**

Revision: 08 Nov., 2019