

TM 2422 – WILD YEAST MEDIUM

INTENDED USE

For detection of wild yeast.

PRODUCT SUMMARY AND EXPLANATION

Wild Yeast Medium is used for the detection of *Saccharomyces* wild yeast.

COMPOSITION

Ingredients	Gms / Ltr
Peptone	5.000
Yeast extract	3.000
Malt extract	3.000
Dextrose (Glucose)	10.000
Basic fuchsin	0.470
Sodium sulphite	2.920
Dextrin	0.110
Crystal violet	0.001
Agar	20.000

PRINCIPLE

The medium consists of Malt extract, Peptone and yeast extract which provide carbon, nitrogen compounds, long chain amino acids, vitamins and other necessary nutrients to support the growth of yeasts. Dextrose is the suitable carbohydrate for the growth of yeasts. Sodium sulphite and basic fuchsin inhibit the gram-positive microorganisms.

The prepared plates darken during incubation. Wild yeasts form pink colonies which may be smooth, mucoid or wrinkled. Brewing yeasts forms a thin haze of micro colonies which blend with the colour of the medium.

INSTRUCTION FOR USE

- Dissolve 44.50 grams in 1000 ml purified/distilled water.
- Boil with constant stirring for 15 minutes. DO NOT AUTOCLAVE.
- Cool to 45-50°C mix well and pour into sterile Petri plates.
- Efficacy of the plates can be improved by incubating them to 30°C for 18 hours before use.

QUALITY CONTROL SPECIFICATIONS

Appearance of Powder	: Pinkish purple to purple homogeneous free flowing powder.
Appearance of prepared medium	: Light pink coloured clear to slightly opalescent gel forms in Petri plates.
pH (at 25°C)	: 6.9 ± 0.2

INTERPRETATION

Cultural characteristics observed after incubation (colour of plates darkens during incubation).



Microorganism	ATCC	Inoculum (CFU/ml)	Growth	Recovery	Colour of colony	Incubation Temperature	Incubation Period
<i>Candida albicans</i>	10231	10-100	Luxuriant	>=70%	White to light pink raised colonies	30°C	Upto 4 Days
<i>Candida krusei</i>	24408	10-100	Luxuriant	>=70%	Pink, rough, flat colonies	30°C	Upto 4 Days
<i>Saccharomyces cerevisiae</i>	9763	10-100	Luxuriant	>=70%	P ink colonies	30°C	Upto 4 Days

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. Isenberg, H.D. Clinical Microbiology Procedures Handbook. 2nd Edition.
2. Jorgensen, J.H., Pfaller, M.A., Carroll, K.C., Funke, G., Landry, M.L., Richter, S.S and Warnock, D.W. (2015) Manual of Clinical Microbiology, 11th Edition. Vol. 1.
3. Pelczar M.J.Jr., Reid R.D., Chan E. C.S,1977, Microbiology, 4th ed, Tata, McGraw Hill Publishing company limited, New Delhi.

 GMP Good Manufacturing Practices Certified	 Best Before	 QTY. Quantity	 REF Catalogue Number	 Manufacturer
 Temperature Unit	 LOT/ B. NO. Lot / Batch Number	 Consults Instructions for Use	 QR Code	

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

*For Lab Use Only
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