

TM 1116 - YEP AGAR

INTENDED USE

For isolation of dimorphic pathogenic fungi from clinical samples.

PRODUCT SUMMARY AND EXPLANATION

Smith and Goodman developed YEP Agar for the primary isolation of dimorphic fungi from clinical specimens.

COMPOSITION

Ingredients	Gms / Ltr
Yeast extract	1.000
Disodium phosphate	0.200
Monopotassium phosphate	0.300
Phenol red	0.001
Agar	20.000

PRINCIPLE

Ammonium hydroxide is added to the medium which helps in inhibiting bacteria, yeasts and saprophytic fungi. Phenol red changes the colour of the medium from pale tan to pink to show that the 1 N NH₄OH has been applied to Yeast extract supplies B-complex vitamins, amino acids and carbohydrates to support fungal growth. A phosphate buffer maintains a slightly acidic pH.

INSTRUCTION FOR USE

- Dissolve 21.50 grams in 1000 ml distilled water.
- Heat to boiling to dissolve the medium completely.
- Sterilize by autoclaving at 15 psi pressure (121°C) for 15 minutes.
- Cool to 45- 50°C.
- Mix well and pour into sterile Petri plates to make deep-filled plates to reduce the drying effect during prolonged incubation.
- After inoculating the plate, add one drop of concentrated ammonia at the edge of the medium.
- Allow to remain undisturbed for 20 minutes before inverting the plates.
- Incubate the plates at 25-30°C.

QUALITY CONTROL SPECIFICATIONS

Appearance of Powder : Cream to yellow homogeneous free flowing powder.

Appearance of prepared medium : Yellow to orange 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

<i>Blastomyces dermatidis</i>	14112	10-100	Good	40-50%	25-30°C	1-4 weeks
<i>Staphylococcus aureus</i>	25923	50-100	None-poor	0-10%	25-30°C	1-4 weeks

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. Smith and Goodman, 1974, Am J. of Clin Rathol., 62:276
2. Haley and Callaway, 1978, Laboratory methods in Medical Mycology. HEW Publication No. (CDC) 78-8361. Centre for Diseases Control, Atlante, Ger.
3. Larone Mitchell and Walsh. 1999 Murray, Baron Pfaller Gerover and Yolken (ed)- Manual of Clinical Microbiology, 7th ed. American Society for Microbiology, Washington, D.C.
4. Isenberg, H.D. Clinical Microbiology Procedures Handbook. second Edition.
5. 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.

 GMP Good Manufacturing Practices Certified	 IVD For In Vitro Diagnostic Use	 QTY. Quantity	 LOT/ B. NO. Lot / Batch Number	 REF Catalogue Number	 Manufacturer
 Temperature Unit	 EC REP Authorized Representative	 CE European Conformity	 QR Code	 Consults Instructions for Use	 Best Before

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

*For Lab Use Only
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