TM 920 - YEAST BEEF ASSAY BROTH

INTENDED USE

For assay of Amphotericin B using *Candida tropicalis* ATCC 13803 as the test organism.

PRODUCT SUMMARY AND EXPLANATION

Antibiotics Assay Medium are used in the performance of antibiotic assays. Grove and Randall have elucidated those antibiotics assays and media in their comprehensive treatise on antibiotic assays. Schmidt Moyer have reported the use of antibiotic assay medium for the liquid formulation used in the performance of antibiotic assay.

COMPOSITION

Ingredients	Gms / Ltr
Beef extract	1.500
Gelatine peptone	5.000
Yeast extract	1.500
Dextrose	11.000
Sodium chloride	3.500
Dipotassium phosphate	3.680
Monopotassium phosphate	1.320

PRINCIPLE

Nutrients and growth factors are provided by ingredients like gelatine peptone, beef extract, yeast extract. Dextrose provides energy source. Sodium chloride provides the osmotic balance and the phosphates provide the buffering system.

INSTRUCTION FOR USE

- Dissolve 27.5 grams in 1000 ml distilled water.
- Heat if necessary to dissolve the medium completely.
- Sterilize by autoclaving at 15 psi pressure (121°C) for 15 minutes.
- Cool and dispense as desired.

QUALITY CONTROL SPECIFICATIONS

Appearance of Powder : Cream to yellow homogeneous free flowing powder.
Appearance of prepared medium : Medium amber coloured clear solution.
pH (at 25°C) : 6.6±0.2

INTERPRETATION

Cultural characteristics observed after an incubation.

Microorganism	ATCC	Inoculum (CFU/ml)	Growth	Incubation Temperature	Incubation Period

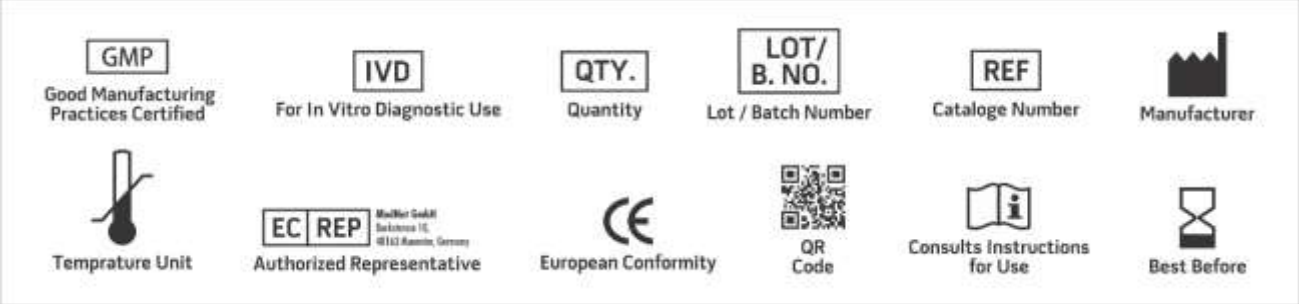
Candida albicans	10231	10-100	Luxuriant	30°C	18-48 Hours
Candida tropicalis	13803	10-100	Luxuriant	30°C	18-48 Hours
Saccharomyces cerevisiae	2601	10-100	Luxuriant	30°C	18-48 Hours

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. Vera H.D., 1944, J. Bacteriol., 47:59.
2. MacFaddin J.,1985, Media for Isolation-Cultivation-Identification-Maintenance of Medical Bacteria, Vol. I, Williams and Wilkins, Baltimore



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

***For Lab Use Only**

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