TM 830 – POLYSORBATE 80 AGAR (DOUBLE PACK)

INTENDED USE

For cultivation of variety of microorganisms.

PRODUCT SUMMARY AND EXPLANATION

Polysorbate 80 Agar is recommended for the cultivation of variety of microorganisms. It is a nutritional medium containing neutralizing agent. This medium thus helps in neutralizing phenolic disinfectants, hexachlorophene and formalin present in the medium thereby increasing the metabolic rate of the organisms.

COMPOSITION

Ingredients	Gms / Ltr
PART I	
Peptic digest of animal tissue	10.000
Agar	15.000
PART II	
Polysorbate 80	10.000

PRINCIPLE

This medium consists of peptic digest of animal tissue, which provide the necessary nutrients for the growth of the organisms. Polysorbate 80 provides fatty acids for the metabolism of the organisms and neutralizes phenolic disinfectants, hexachlorophene and formalin.

INSTRUCTION FOR USE

- Dissolve 25 grams of Part I in 990 ml distilled water.
- Heat to boiling to dissolve the medium completely. Add 10 ml of Part II.
- Mix well and sterilize by autoclaving at 15 psi pressure (121°C) for 15 minutes.
- Mix well and pour into sterile Petri plates.

QUALITY CONTROL SPECIFICATIONS

Appearance of Powder : Part A : Cream to yellow homogeneous free flowing powder Part B : Colourless clear viscous liquid.

Appearance of prepared medium : Yellow coloured clear gel forms in Petri plates.

pH (at 25°C) : 7.2 ± 0.2

INTERPRETATION

Cultural characteristics observed after incubation.

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

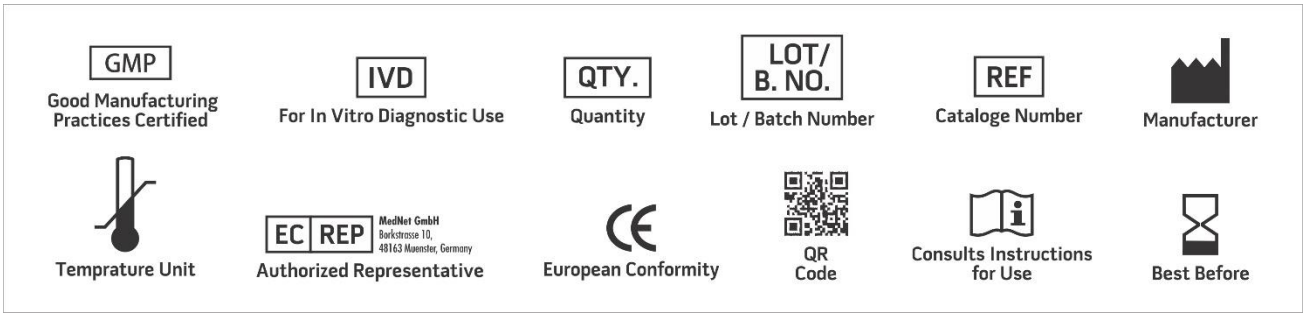
Escherichia coli	25922	50-100	Good-luxuriant	>=50%	35-37°C	18-24 Hours
Bacillus subtilis	6633	50-100	Good-luxuriant	>=50%	35-37°C	18-24 Hours
Staphylococcus aureus	25923	50-100	Good-luxuriant	>=50%	35-37°C	18-24 Hours
Candida albicans	10231	10-100	Good-luxuriant	>=50%	35-37°C	18-24 Hours

PACKAGING:
In pack size of 500 gm bottles.

STORAGE
Dehydrated powder, hygroscopic in nature, store in a dry place, in tightly-sealed containers between 2-8°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. Atlas R. M., 1997, In: Handbook of Microbiological Media, 2nd Edition, Lawrence C Parks (Ed.), CRC Press, London.
2. Favero M.S., (chm.) 1967, Microbiological sampling of surfaces, Biological Contamination Control Committee, American Asso. For Contamination Control.



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

***For Lab Use Only**
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