

CM 20575 – DEY-ENGLEY (D/E) NEUTRALIZING BROTH (W/O BROMO CRESOL PURPLE) (as per USP)

INTENDED USE

For neutralization of antiseptics and disinfectants in determining its bactericidal activity.

PRODUCT SUMMARY AND EXPLANATION

Dey-Engley (D/E) Neutralizing Broth (without Bromo cresol purple) is formulated as per United States Pharmacopoeia. It neutralizes a broad spectrum of antiseptics and disinfectants including quaternary ammonium compounds, phenolics, iodine and chlorine preparations, mercurials, formaldehyde and glutaraldehyde.

COMPOSITION

Ingredients	Gms / Ltr
Tryptone	5.000
Yeast extract	2.500
Dextrose (Glucose)	10.000
Sodium thioglycollate	1.000
Sodium thiosulphate	6.000
Sodium bisulphite	2.500
Lecithin	7.000
Polysorbate 80	5.000

PRINCIPLE

The medium consists of Tryptone which provides essential nutrients. Dextrose is an energy source. Yeast extract is also a rich source of vitamin B complex. Sodium thioglycollate, sodium thiosulphate, sodium bisulphite, soya lecithin and polysorbate 80 act as neutralizing components.

INSTRUCTION FOR USE

- Dissolve 39 grams in 1000 ml purified/distilled water.
- Heat if necessary 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 yellow coloured opalescent solution.
- pH (at 25°C) : 7.6 ± 0.2

INTERPRETATION

Cultural characteristics observed after incubation.

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



Escherichia coli	8739	50-100	Luxuriant	30-35 °C	<=3 Days
Pseudomonas aeruginosa	27853	50-100	Luxuriant	30-35 °C	<=3 Days
Salmonella Typhimurium	14028	50-100	Luxuriant	30-35 °C	<=3 Days
Staphylococcus aureus	25923	50-100	Luxuriant	30-35 °C	<=3 Days
Bacillus subtilis	6633	50-100	Luxuriant	30-35 °C	<=3 Days
Aspergillus brasiliensis	16404	10-100	Luxuriant	20-25 °C	<=5 Days
Candida albicans	10231	10-100	Luxuriant	20-25 °C	<=5 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. The United States Pharmacopoeia 2011, The US Pharmacopoeial Convention Inc., Rockville, MD.



 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 LabUse Only

