CETRIMIDE BROTH

CBRT-00P-500

- **Principle**

Cetrimide broth is composed of Peptic digest of animal tissue Peptic digest of animal tissue, special peptone, Sodium chloride, cetrimide. Peptic digest of animal tissue and special peptone provides nitrogen, vitamins, minerals, amino acids and growth factors. Sodium chloride maintains osmatic equilibrium of the medium.

Cetrimide is the selective agent and inhibits most bacteria by acting as a detergent. The contact of cetrimide with bacteria, causes the release of nitrogen and phosphorous from the bacterial cell other than *Pseudomonas aeruginosa*.

- **Regulatory compliance**

This product is manufactured under a quality management system in accordance with ISO 9001 and ISO 13485, and its formulation and quality control comply with applicable international standards, such as ISO 11133, where relevant.

- **Composition**

Ingredients	**g/L**
Peptic digest of animal tissue	10.00
Special peptone (eq. beef extract)	10.00
Sodium chloride	5.00
Cetrimide	0.30

- **Preparation**

Dissolved 23.50 grams in 1,000 ml distilled water. Boil the medium completely. Distribute 5.00 ml into the screw capped test tubes. Sterilize by autoclaving 15 lbs pressure (121 °C) for 15 minutes. Allow to cool the tubes and inoculate test sample aseptically.

- **Applications and use**

Recommended for the selective cultivation of *Pseudomonas aeruginosa*.

- **Quality control**

Solubility	w/o rests
Appearance	Fine powder
Colour of the dehydrated medium	Beige
Colour of the prepared medium	Light beige
Final pH (25 °C)	7.2 ± 0.2

- **Microbiological test**

Turbidity was observed after an incubation at 35-37 °C for 18-24 hours.

Microorganism	ATCC	Inoculum CFU	Growth
Pseudomonas aeruginosa	10145	50-100	Luxuriant
Pseudomonas aeruginosa	27853	50-100	Luxuriant
Escherichia coli	8739	50-100	Inhibited
Staphylococcus aureus	25923	50-100	Inhibited

- **Storage**

The product is highly hygroscopic; keep the container always closed and store it properly as per the conditions mentioned on the label. The declared expiry is valid only when stored as per the conditions mentioned on the label. Temp. Min.:2 °C Temp. Max.:25 °C.

Note: Sterilize media immediately after reconstitution.

- **Bibliography**

Murray P. R., Baron J. H., Pfaller M. A., Jorgensen J. H. and Yolken R. H., (Ed.), (2003), Manual of Clinical Microbiology, 8th Ed., American Society for Microbiology, Washington, D.C.

Williams, (Ed.), (2005), Official Methods of Analysis of the Association of Official Analytical Chemists, 19th Ed., AOAC, Washington, D.C.

- **Product use limitation**

This product is developed, designed and supplied exclusively for research use only. It is not intended for diagnostic applications or drug development, and it is not suitable for administration to humans or animals.