

## **Cetrimide Broth**

Used for the isolation and determination of *Pseudomonas aeruginosa*. Cetrimide Broth complies with the recommendations of the United States Pharmacopeia and also European Pharmacopeia. The formulation of this medium corresponds to the specifications in the DIN Norm 38411.

### **Description**

*Pseudomonas aeruginosa* is characterized by the production of pyocyanin (a blue green, water soluble, nonfluorescent, phenazine pigment), which is stimulated by the inclusion of magnesium chloride and potassium sulfate in the broth.

Cetrimide (N-cetyl-NNN-trimethylammonium bromide) is added to inhibit bacteria other than *Pseudomonas aeruginosa*. Its action as a quaternary ammonium cationic detergent causes nitrogen and phosphorus to be released from bacterial cells other than *Pseudomonas aeruginosa*.

### **Interpretation:**

Pyocyanin blue-green pigmentation surrounding growth is positive for *Pseudomonas aeruginosa*. No color development is negative for *Pseudomonas aeruginosa*.

### **Ordering information**

Product	Description	Quantity	Article code
Ampouled Media	2ml tube	50	10496146

### **Formulation:**

Per litre of water adjusted to pH 7.2 ± 0.2

Component	Quantity
Peptone	20.0g
Magnesium Chloride	1.4g
Potassium Sulfate	10.0g
Cetrimide	0.3g
Glycerol	10.0ml