

**CETRIMIDE AGAR USP-EP**

Ready to use plates of cetrimide agar medium  
for the enumeration of *Pseudomonas* spp. by MF technique

**TYPICAL FORMULA (g/l)**

Pancreatic Digest of Gelatin	20.0
Magnesium Chloride	1.4
Potassium Sulphate	10.0
Cetrimide	0.3
Agar	14.0
Glycerol	10 ml

Final pH 7.2 ± 0.2.

**DESCRIPTION**

Cetrimide Agar USP-EP is a selective medium for the isolation and identification of *Pseudomonas* and is prepared according to a slight modification of the medium A described by King, Ward and Roney. *Pseudomonas* Selective Agar corresponds to the Cetrimide Agar Medium recommended by USP and EP. Cethyl trimethyl ammonium bromide, the quaternary ammonium base present in the agar, inhibits the growth of most microorganisms with the exception of *Pseudomonas* spp. The production of fluorescein and pyocyanin are stimulated on the medium so that, on the basis of these biochemical characteristics it is possible to presumptively identify microbial growth.

**TECHNIQUE**

Filter the specimen two membranes. Place the membranes upon two Cetrimide Agar plates. Incubate at 37°C and examine after 24 hours for growth and pigment production using both normal light and ultraviolet light. The presence of blue-green or brown pigmentation, or fluorescence may be taken as evidence of *Pseudomonas* spp.

Confirm the presumptive identification with an oxidase test a Gram staining and by streaking plates or tubes of *Pseudomonas* Agar P and *Pseudomonas* Agar F (see the technical sheet of *Pseudomonas* Agar F and P).

**STORAGE**

Store at 2-8° - When stored as directed the plates remain stable until the expiry date shown on the label. Do not use beyond stated expiry date.

**REFERENCES**

- European Pharmacopoeia, 3<sup>rd</sup> ed. 2001 Supplement
- King, B.S., Ward, M.K.W. & Roney, D.E. (1954) - J. Lab. Clin. Med. **44**, 301.
- U.S. Pharmacopoeia 24, NF 19 (2000)

**PACKAGING****491963****Cetrimide Agar USP EP****30 ready to use plates Ø 55 mm**