

CM 21174 – PEPTED MEAT BROTH (MEAT EXTRACT W/ PEPTONE)

INTENDED USE

For cultivation and maintenance of *Alcaligenes* species.

PRODUCT SUMMARY AND EXPLANATION

Alcaligenes are non-fermentative gram-negative bacilli. They exist in soil and water and have been isolated from many types of clinical specimens like urine, blood, spinal fluid, pleural fluid, wounds, abscesses and faeces. These are non-saccharolytic microbes having simple nitrogenous growth requirements. Pepted Meat Broth (Meat Extract w/ Peptone) is recommended for the cultivation and maintenance of *Alcaligenes* species.

COMPOSITION

Ingredients	Gms / Ltr
Peptic digest of animal tissue	10.000
Meat extract	3.000
Sodium chloride	15.000

PRINCIPLE

The medium consists of Meat extract along with peptic digest of animal tissue which provides necessary nitrogenous compounds and other nutrients for growth. Sodium chloride maintains osmotic equilibrium.

INSTRUCTION FOR USE

Dissolve 28.0 grams in 1000 ml distilled water.

Heat if necessary to dissolve the medium completely. Distribute into tubes or flasks.

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 : Yellow coloured clear solution without any precipitate.

pH (at 25°C) : 7.0 ± 0.2

INTERPRETATION

Cultural characteristics observed after incubation.

Microorganism	ATCC	Inoculum (CFU/ml)	Growth	Incubation Temperature	Incubation Period
<i>Alcaligenes denitrificans</i>	53957	50-100	Luxuriant	35-37°C	24-48 Hours



Alcaligenes faecalis	8750	50-100	Luxuriant	35-37°C	24-48 Hours
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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. Finegold S. M. and Martin W. J., 1982, Bailey and Scotts Diagnostic Microbiology, 6th Ed., Pg. 258-59, The CV Mosby Company, London.
2. Koneman E. W., Allen S. D., Dowell V. R., Sommers H. M., 1983, Colour Atlas and Textbook of Diagnostic Microbiology, 2nd Ed., J. B. Lippincott, Company, Philadelphia, pg. 133.
3. Atlas R. M., 2004, Handbook of Microbiological Media, Lawrence C. Parks (Ed.), 3rd Edition, CRC Press.

 Good Manufacturing Practices Certified	 For In Vitro Diagnostic Use	 Quantity	 Lot / Batch Number	 Catalogue Number	 Manufacturer
 Temperature Unit	 Authorized Representative MedNet GmbH Barkstrasse 10, 48163 Münster, Germany	 European Conformity	 QR Code	 Consults Instructions for Use	 Best Before

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

*For Lab Use Only