



Meat Extract w/ Peptone (Pepted Meat Broth)

M1207

Meat Extract w/ Peptone (Pepted Meat Broth) is recommended for cultivation and maintenance of *Alcaligenes* species.

Composition**

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

**Formula adjusted, standardized to suit performance parameters

Directions

Suspend 28 grams in 1000 ml distilled water. Heat if necessary to dissolve the medium completely. Distribute into tubes or flasks. Sterilize by autoclaving at 15 lbs pressure (121°C) for 15 minutes.

Principle And Interpretation

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 (1). These are non-saccharolytic microbes having simple nitrogenous growth requirements (2). Meat Extract with Peptone (Pepted Meat Broth) is recommended for the cultivation and maintenance of *Alcaligenes* species (3).

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

Quality Control

Appearance

Cream to yellow homogeneous free flowing powder

Colour and Clarity of prepared medium

Yellow coloured clear solution without any precipitate

Cultural Response

M1207: Cultural characteristics observed after an incubation at 35-37°C for 24-48 hours.

Organism	Inoculum (CFU)	Growth
Cultural Response		
<i>Alcaligenes denitrificans</i> ATCC 53957	50-100	luxuriant
<i>Alcaligenes faecalis</i> ATCC 8750	50-100	luxuriant

Storage and Shelf Life

Store below 30°C in tightly closed container and the prepared medium at 2 - 8°C. Use before expiry date on the label.

Reference

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.

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