



## Product Data Sheet

### **PEPTED MEAT BROTH (MEAT EXTRACT W/ PEPTONE)**

**Product No.** GB-DCM-00419-1A

### **INTENDED USE**

For cultivation and maintenance of Alcaligenes species.

### **PRODUCT SUMMARY**

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 nonsaccharolytic microbes having simple nitrogenous growth requirements. Pepted Meat Broth (Meat Extract w/ Peptone) is recommended for the cultivation and maintenance of Alcaligenes species.

### **Product Specifications**

<b>Ingredients</b>	<b>Gms / Ltr</b>
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 : Light yellow to beige homogeneous free flowing powder.

Appearance of prepared medium : Orange red coloured clear to slightly opalescent solution in tubes.

pH (at 25°C) : 7.3± 0.2



Microorganism	ATCC	Inoculum (CFU/ml)	Growth	Incubation Temperature	Incubation Period
Alcaligenes denitrificans	53957	50-100	luxuriant	35-37°C	24-48 Hours
Alcaligenes faecalis	8750	50-100	luxuriant	35-37°C	24-48 Hours

### 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.

**This product is for research use only.**