

## TM 956 – CAMPYLOBACTER ENRICHMENT AGAR BASE (PRESTON ENRICHMENT AGAR BASE)

### INTENDED USE

For cultivation of *Campylobacter* species.

### PRODUCT SUMMARY AND EXPLANATION

Campylobacter Agar Base (Preston) is based on the formulation described by Bolton and Robertson, and designed for the isolation of *Campylobacter* species from human, animal, bird and environmental samples. The supplement is especially selective for *Campylobacter jejuni* and *C. coli*. The recovery of injured cells can be improved by preenrichment in broth medium, permitting sublethally injured organisms to repair lesions and to tolerate certain selective antibiotics. *Campylobacter* spp. are of worldwide significance in human and animal disease, especially *C. jejuni*, considered one of the main causes of acute bacterial diarrhea in man.

### COMPOSITION

Ingredients	Gms / Ltr
Casein peptone	10.000
Beef extract	10.000
Sodium chloride	5.000
Agar	12.000

### PRINCIPLE

Casein peptone and Soy peptone provide nitrogen, vitamins, minerals and amino acids essential for growth. Sodium chloride supplies essential electrolytes for transport and osmotic balance. Agar is the solidifying agent.

### INSTRUCTION FOR USE

- Dissolve 18.5 grams of the medium in 475 ml of distilled water.
- Mix well and dissolve by heating with frequent agitation.
- Boil for one minute until complete dissolution. Sterilize in autoclave at 121 °C for 15 minutes.
- Cool to 45 °C and aseptically add 5-7% of lysed horse blood and one vial of Preston Campylobacter Supplement.
- Homogenize gently and dispense into Petri dishes.

### QUALITY CONTROL SPECIFICATIONS

Appearance of Powder	: Beige free flowing powder
Appearance of prepared medium	: Yellowish white, cherry red opaque with blood.
pH (at 25°C)	: 7.5±0.2

### INTERPRETATION

Cultural characteristics observed after incubation.

Microorganism	ATCC	Inoculum (CFU/ml)	Growth	Recovery	Incubation Temperature	Incubation Period

<i>Escherichia coli</i>	25922	50-100	Inhibited	0%	42°C	24-48 Hours
<i>Campylobacter jejuni</i>	29428	50-100	Good	40-50%	42°C	24-48 Hours
<i>Campylobacter coli</i>	43478	50-100	Good	40-50%	42°C	24-48 Hours

#### 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. Bolton F.J. Hutchinson D.N. y Cioste D. (1984) clin. Microbiol. 19, 169-171.
2. Bolton E.J. Robertson L. (1982) J. Clin Parth 35, 462-467.

 GMP Good Manufacturing Practices Certified	 IVD For In Vitro Diagnostic Use	 QTY. Quantity	 LOT/ B. NO. Lot / Batch Number	 REF Catalogue Number	 Manufacturer
 Temperature Unit	 EC REP Authorized Representative MedNet GmbH Bauhofstrasse 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**  
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