

Product Information

CAMPYLOBACTER ENRICHMENT BROTH BASE

Product Number **C 8470**

Product Description

Campylobacter Enrichment Broth Base is recommended for the selective enrichment and cultivation of the *Campylobacter* species. It is also recommended by the ISO Committee under the specification ISO 10272:1995. The peptic digest of animal tissue and beef extract provide growth nutrients. The supplement makes the medium selective for the isolation of the *Campylobacter* species.

Components

Item	g/L
Peptic Digest of Animal Tissue	10.00
Beef Extract	10.00
Sodium Chloride	5.00

Final pH (at 25 °C) 7.5 ± 0.2

Precautions and Disclaimer

For laboratory use only. Not for drug, household or other uses.

Preparation Instructions

Suspend 12.5 grams of Campylobacter Enrichment Broth Base in 475 mls of distilled water. Heat if necessary to dissolve the medium completely. Sterilize by autoclaving at 15 lbs. pressure (121°C) for 15 minutes. Cool to room temperature. Aseptically add 25 mls of sterile lysed horse blood and the reconstituted contents (i.e. in 5.0 ml of 50% Acetone (A 4206)) of one vial of C 3347 Campylobacter Supplement IV. This supplement can also be prepared by mixing 2,500 I.U. Polymyxin B (P1004), 5.0 mg of Rifampicin (R 3501), 5.0 mg of Trimethoprim lactate (T 0667) and 50.0 mg of Cycloheximide (C 7698) in 5.0 ml of 50% Acetone (A 4206). Mix well and dispense as desired.

Storage

Store the dehydrated medium at 24 °C and prepared medium at 2-8 °C.

Product Profile

Appearance	Light yellow colored, homogeneous, free flowing powder.
Color and Clarity	Basal medium yields a light amber colored, clear solution without any precipitate. The addition of blood yields a cherry red colored solution.
Cultural Response	Cultural characteristics are observed after 48 hours at 42°C with addition of supplement when incubated in 5% O ₂ , 10%CO ₂ , 85% N ₂

Organism	(ATCC)	Growth
<i>Campylobacter jejuni</i>	(29428)	good-luxuriant
<i>Campylobacter coli</i>	(33559)	good-luxuriant
<i>Campylobacter lari</i>	(35221)	Good-luxuriant
<i>Escherichia coli</i>	(25922)	inhibited
<i>Proteus mirabilis</i>	(25933)	inhibited
<i>Staphylococcus aureus</i>	(25923)	inhibited
<i>Bacillus cereus</i>	(10870)	inhibited

References

1. Balton, F.J., et al., (1982). J.Clin. Pathol. 35, 462.
2. Compendium of Methods for the Microbiological Examination of Foods, (1992). Vanderzant, C., et al., eds. 3rd Edition. APHA. Washington, D.C.
3. International Organization for Standardization (ISO), (1995). Draft ISO/DIS, 10272.
4. American Type Culture Collection, Manassas, Va., U.S.A.

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