Blaser's Campylobacter Agar

Medium used for the isolation and cultivation of Campylobacter spp.
*Equally use with Campylobacter Agar (MB-C1407) and MFDS (MB-B0901K).

• CONTENTS (Liter)

Yeast Extract	5.0 g
Liver Extract	2.5 g
Peptone	15.0 g
Sodium Chloride	5.0 g
Agar	12.0 g

Final pH = 7.0 ± 0.2 at 25°C

• PROCEDURE

Suspend 39.5 G of powder in 950 mL of distilled or deionized water. Heat to boiling until completely dissolved. Sterilize by autoclave at 121°C for 15 minutes. Cool to 45 - 50°C in water bath. Aseptically add 50 mL of Horse Blood Lysed (MB-H1885) and 2 vials of Hunt supplement A (MB-H1899). In addition, you can make three different mediums depending on supplements in the table. Aseptically add appropriate supplements you want. Mix well. Pour into petri dishes.

Hunt supplement A
1 vial contents (each vial is sufficient for 500 mL of medium)

Trimethoprim	0.0075 g
Cefoperazone	0.016 g
Vancomycin	0.005 g
Amphotericin	0.001 g

**Equally use with Campylobacter supplement (A) (MB-C0796).

Blaser Wang medium	- 2 vials of Campylobacter Growth supplement (MB-C1850) - 2 vials of Campylobacter Blaser Wang supplement (MB-C1851) - 5% of Sheep Blood Defibrinated (MB-S1876)
Skirrow medium	- 2 vials of Campylobacter Growth supplement (MB-C1850) - 2 vials of Campylobacter Skirrow supplement (MB-C1855) - 5% of Horse Blood Lysed (MB-H1885)

Campylobacter Growth supplement
1 vial contents (each vial is sufficient for 500 mL of medium)

Sodium Pyruvate	0.125 g
Sodium Metabisulfite	0.125 g
Ferrous Sulfate	0.125 g

Campylobacter Blaser Wang supplement
1 vial contents (each vial is sufficient for 500 mL of medium)

Polymyxin B	1250 IU
Trimethoprim	0.0025 g
Amphotericin B	0.001 g
Cephalotin	0.0075 g
Vancomycin	0.005 g

Campylobacter Skirrow supplement
1 vial contents (each vial is sufficient for 500 mL of medium)

Polymyxin B	1250 IU
Vancomycin	0.005 g
Trimethoprim	0.0025 g

• INTERPRETATION

Blaser's Campylobacter Agar is a medium used for the isolation and cultivation of Campylobacter spp. Yeast extract provides vitamins. Liver extract and peptone provide nitrogen, amino acids and minerals necessary to support bacterial growth. Sodium chloride maintains the osmotic balance. Agar is the solidifying agent.

• TECHNIC

Inoculate the specimen using a sterile loop to the medium. Incubate at 42°C for 24 - 48 hours under microaerobic condition. Refer appropriate references for recommended test procedure.

• QUALITY CONTROL FOR USE

Dehydrated medium
Appearance: free-flowing, homogeneous
Color: beige
Prepared medium
Appearance: slightly opalescent
Color: reddish brown
Incubation conditions: 42°C / 24 - 48 hours / microaerobic condition

Microorganism	ATCC	Inoculum CFU	Growth
Campylobacter jejuni subsp. Jejuni	33291	10-300	good
Campylobacter coli	33559	10-300	good
Escherichia coli	25922	≥10^3	inhibited

• STORE

The powder is very hygroscopic. Store the powder at room temperature, in a dry environment, in its original container tightly closed and use it before the expiry date on the label. Store prepared medium at 2 - 8°C.

• REFERENCES

1. Bolton, F. J., and L. Robertson. 1982. J. Clin. Microbiol. 35:462-467.
2. Skirrow, M.D. 1977 *Campylobacter enteritidis: A New Disease. Br. Med.* J. 2:9-11.
3. Blaser, M.J., V. Berkowitz, F.M. Laforce, 1979. Campylobacter enteritidis: Clinical and Epidemiologic Features. Ann. Intern. Med: 91:179-185.
4. Refer to the MFDS.

• PACKAGE

Cat. No : MB-B0901 Blaser's Campylobacter Agar	500 G

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