

CAMPYLOBACTER AGAR BASE

Selective medium for *Campylobacter spp* isolation from clinical samples.

TYPICAL FORMULA (g/l)

Peptone	7.5
Tryptone	7.5
Papaic Digest of Liver	2.5
Yeast Extract	5.0
Sodium Chloride	5.0
Agar	15.0

Final pH = 7.4 ± 0.2 at 25 °C.

CAMPYLOBACTER growth supplement

1 Vial contents (each vial is sufficient for 500 ml of medium):

Sodium Piruvate	125 mg
Sodium Metabisulfite	125 mg
Ferrous Sulphate	125 mg

CAMPYLOBACTER BLASER WANG supplement

1 Vial contents (each vial is sufficient for 500 ml of medium):

Polymyxin B	1,250 IU
Trimethoprim	2.5 mg
Amphotericin B	1.0 mg
Cephalotin	7.5 mg
Vancomycin	5.0 mg

CAMPYLOBACTER SKIRROW supplement

1 Vial contents (each vial is sufficient for 500 ml of medium):

Polymyxin B	1,250 IU
Trimethoprim	2.5 mg
Vancomycin	5.0 mg

CAMPYLOBACTER PRESTON supplement

1 Vial contents (each vial is sufficient for 500 ml of medium):

Polymyxin B	2,500 IU
Trimethoprim	5.0 mg
Cycloheximide	50.0 mg
Rifampicin	5.0 mg

DIRECTIONS

Suspend 42.5 g of powder in 1 liter of distilled or deionized water. Heat until completely dissolved. Sterilize in autoclave at 121 °C for 15 minutes. Cool to 45-50 °C. Aseptically add, for:

BLASER WANG MEDIUM

- 5-7% defibrinated sheep blood;
- 2 vials of Campylobacter growth supplement (code 81050) reconstituted with 5 ml of sterile distilled water;
- 2 vials of Campylobacter Blaser Wang supplement (code 81051) reconstituted with 4 ml of a 1:1 solution of ethanol and sterile distilled water.

SKIRROW MEDIUM

- 5% lysed horse blood;
- 2 vials of Campylobacter growth supplement (code 81050) reconstituted with 5 ml of sterile distilled water;
- 2 vials of Campylobacter Skirrow supplement (code 81055) reconstituted with 2 ml of sterile distilled water.

PRESTON MEDIUM

- 5% lysed horse blood ;
- 2 vials of Campylobacter growth supplement (code 81050) reconstituted with 5 ml of sterile distilled water;
- 2 vials of Campylobacter Preston supplement (code 81050) reconstituted with 2 ml of a 1:1 solution of acetone and sterile distilled water.

Mix well.

Dispense in petri dishes.



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DESCRIPTION

CAMPYLOBACTER AGAR BASE is a medium used for *Campylobacter spp* isolation from clinical samples.

TECHNIQUE

Emulsify approximately 0.5 g of the specimen in 5 ml of sterile 0.1% peptone water to form an 1:10 dilution. Inoculate onto selective medium with cotton tipped swabs so that single isolated colonies are formed. Incubate the plates in an atmosphere consisting of approximately 5-6% oxygen and 3-10% carbon dioxide for 48 hours at 42 °C. *Campylobacter spp* are not haemolytic and colonies are flat and gray with an irregular edge or raise and round with a mucoid appearance. Some strains could appear tan or slightly pink.

QUALITY CONTROL

Dehydrated medium

Appearance: free-flowing, homogeneous.

Color: beige.

Prepared medium

Appearance: opaque.

Color: cherry red.

Incubation conditions: 42 °C for 48 hours in microaerophilic atmosphere.

Microorganism	ATCC	Growth	Characteristics
<i>Campylobacter fetus</i> subsp. <i>jejuni</i>	33291	good	non hemolytic
<i>Escherichia coli</i>	25922	none to poor	

PERFORMANCE AND LIMITATIONS

The selectivity of medium is due to adding of selective agents described by Skirrow, Blaser and Preston that provide for markedly reduced growth of normal enteric bacteria and improved recovery of *Campylobacter fetus* subsp. *jejuni* from fecal specimens. Although some strains of *C. fetus* subsp. *jejuni* may be encountered that fail to grow or grow poorly on prepared Campylobacter Agar and some strains of normal enteric organisms may be encountered that are not inhibited or only partially inhibited on Campylobacter Agar.

STORAGE

The powder is very hygroscopic: store the powder at 10-30 °C, in a dry environment, in its original container tightly closed and use it before the expiry date on the label or until signs of deterioration or contamination are evident. Store prepared plates at 2-8 °C.








REFERENCES

1. Skirrow, M.D. 1977 *Campylobacter enteritidis*: A New Disease. Br. Med. J. 2:9-11.
2. Blaser, M.J., V. Berkowitz, F.M. Laforce, 1979. Campylobacter enteritidis: Clinical and Epidemiologic Features. Ann. Intern. Med: 91:179-185.
3. Association of Official Analytical Chemists. 1995. Bacteriological analytical manual, 8th Ed.

PRESENTATION

Product	REF	Σ
CAMPYLOBACTER AGAR BASE (11.7 l)	611007	500 g
CAMPYLOBACTER AGAR BASE (2.3 l)	621007	100 g
CAMPYLOBACTER GROWTH supplement	81050	10 vials
CAMPYLOBACTER BLASER WANG supplement	81051	10 vials
CAMPYLOBACTER PRESTON supplement	81004	10 vials
CAMPYLOBACTER SKIRROW supplement	81055	10 vials

TABLE OF SYMBOLS

LOT Batch code	 Caution, consult accompanying documents	 Manufacturer	 Contains sufficient for <n> tests	IVD In Vitro Diagnostic Medical Device
REF Catalogue number	 Fragile, handle with care	 Use by	 Temperature limitation	 Keep away from heat source