

CAMPYLOBACTER AGAR

Medium for isolation of *Campylobacter spp.*

TYPICAL FORMULA (g/l)

Casein Peptone	9.0
Soy Peptone	5.0
Meat Peptone	9.0
Sodium Chloride	5.0
Starch	1.0
Agar	15.0
Final pH 7.3 ± 0.2	

DESCRIPTION

CAMPYLOBACTER AGAR is a medium for *Campylobacter spp.* isolation.

PRINCIPLE

Peptones are a source of amino acids and proteins. Sodium chloride maintains the osmotic balance of the medium. Agar is the solidifying agent. Blood constitutes an additional source of nutrients for fastidious microorganisms.

The addition of antimicrobial agents suppresses the growth of the normal microbial flora in fecal specimens, thereby facilitating isolation of *C. jejuni*.

PREPARATION

Melt the content of one tube in a boiling water-bath at 100°C (loosing the caps partially unscrewed) until completely dissolved. Cool down to 45-50°C. Aseptically add, for:

BLASER WANG MEDIUM

- 5-7% defibrinated sheep blood;
- Campylobacter growth supplement (ref. 81050);
- Campylobacter Blaser Wang supplement (ref. 81051).

SKIRROW MEDIUM

- 5% lysed horse blood;
- Campylobacter growth supplement (ref. 81050);
- Campylobacter Skirrow supplement (ref. 81055).

PRESTON MEDIUM

- 5% lysed horse blood;
- Campylobacter growth supplement (ref. 81050);
- Campylobacter Preston supplement (ref. 81004).

Mix well, avoiding foam formation. Dispense in petri dishes. Allow the medium to solidify.

TECHNIQUE

Inoculate the plate by streaking the specimen on the surface of the medium, using a sterile loop. Incubate at 42±1°C for 24-48 hours in microaerophilic atmosphere.

INTERPRETATION OF RESULTS

Campylobacter jejuni produces two types of colonies. One is small, raised, grayish-brown, smooth, glistening with an entire translucent edge. The other colony type is flat, mucoid, grayish, translucent and has an irregular edge.

STORAGE

10-25°C away from light, until the expiry date on the label or until signs of deterioration or contamination are evident.

WARNING and PRECAUTIONS

The product is not classified as hazardous by current legislation and does not contain harmful substances in concentrations of ≥1%. The product is designed for *In vitro* diagnostic use and must be used only by properly trained operators.

DISPOSAL of WASTE

Disposal of waste must be carried out according to national and local regulations in force.

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.



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PRODUCT SPECIFICATION

NAME

CAMPYLOBACTER AGAR

PRESENTATION

Glass tubes containing 22 mL of medium.

STORAGE

10-25°C

PACKAGING

Code	Content	Packaging
34070	10 tubes	10 tubes in cardboard boxes

pH OF MEDIUM

7.3 ± 0.2

USE

CAMPYLOBACTER AGAR is a medium for *Campylobacter spp* isolation.

TECHNIQUE

Refer to technical sheet of the product.

APPEARANCE of the MEDIUM

Light amber medium, slightly opalescent.

SHELF LIFE






2 years

QUALITY CONTROL

- Control of general characteristics, label and print
- Microbiological control (on complete medium)
 - Inoculum for productivity: 10-100 UFC/ml
 - Inoculum for selectivity: 10⁴-10⁵ UFC/ml
 - Inoculum for specificity: ≤ 10⁴ UFC/ml
 - Incubation conditions: 48 h at 42 ± 1°C, in microaerophilia

Microorganism		Growth
<i>Escherichia coli</i>	ATCC 25922	inhibited
<i>Campylobacter jejuni</i>	ATCC 33291	good

TABLE OF SYMBOLS

IVD In vitro Diagnostic Medical Device	LOT Batch code	 Manufacturer	 Contains sufficient for <n> tests
REF Catalogue number	 Temperature limitation	 Use by	 Caution, consult accompanying documents



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