

hy-campylobacter medium

Instructions for use:

Cat. No. PD063 (A)

Cat. No. PD077 (B)

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1) Use fresh samples (or a sample kept refrigerated for no more than 6 hours).
a) Fluid or loose: Spread regularly on the Petri dish.

b) Non-fluid sample: Suspend in sterile saline, homogenize and then spread
on the Petri dish.

2) Place the Petri dish in a jar with microaerophilic environment conditions.

3.A	Selective blood-containing medium - Incubate 24 to 48 h at 42-43°C.	3.B	Selective blood-free charcoal medium- Incubate 24 to 48 h at 37°C or 42°C.
4.A	Read results after 24 h and if negative read again after 48 h of incubation.	4.B.	Read results after 24 h and if negative read again after 48 h of incubation.
5.A	<i>C. jejuni</i> grows generally as small round and smooth or flat colonies with a tendency of spreading	5.B	<i>C. jejuni</i> -gray/white, moist flat spreading colonies. Some strains may produce greenish colonies or dry colonies. <i>C. coli</i> - creamy gray, moist slightly raised often discrete colonies. <i>C. laridis</i> - may resemble <i>C. jejuni</i> or <i>C. coli</i> or produce gray discrete colonies.

6. Perform gram stain and further biochemical tests to identify the exact species.

7. Characteristics of some Campylobacter species:

	Oxidase	Catalase	Urease
<i>C. jejuni</i>	+	+	-
<i>C. coli</i>	+	+	-
<i>C. laridis</i>	+	+	-
<i>C. pylori</i>	+	+	+

Hy-Campylobacter media are selective and are inhibiting for the growth of Pseudomonas, Proteus, Streptococcus, Staphylococci and Candida species, thus enabling the bacteriologist to have more confidence in its' work since any non-Campylobacter species that may grow does not spread and interfere with the growth of the Campylobacter species.