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CHROMAGAR CAMPYLOBACTER/CAMPYLOBACTER BLOOD FREE

DD088 CHROMAG. CAMPYLOBACTER/CAMPYLOBACTER B.F., 90 mm Divided Petri dish with media in packets of 10

Appearance: CHR. CAMPYLO: light amber
CAMPY B.F: Black

Intended Use and Principles of the Producer-

Campylobacter species have been known for many years but the clinical significance as a major organism that causes gastro-intestinal infections is now recognized.

Campylobacter jejuni is a micro-aerophilic organism which is easily masked by other microorganisms found in the gastro-intestinal tract, thus rendering isolation difficult in routine clinical laboratories.

Hy-Labs now offer two different formulae at divided plate:

Selective blood-free charcoal medium: this medium is based on the formulation of Bolton *et al.* the selectivity of the medium is achieved by different antibiotics.

Chromogenic Campylobacter medium: uses a colour-based differentiation method, clearly distinguishable with the naked eye under normal lighting conditions. With this technique, colonies of Campylobacter can be recognized by their colour at a glance. The antibiotics included in the agar facilitate the task, inhibiting many other organisms present in the faecal flora.

Formula (per Liter):

Chrom.Campylobacter base (51.2gr): Agar(15.0gr), Peptone and yeast extract (25.0gr), Salts (9.0gr), Chromogenic and selective mix (2.2gr), Chrom.Campylobacter supplement (0.21g).

Campylobacter blood free (45gr): Nutrient Broth (25.0gr), Bacteriological charcoal (4.0gr), Casein hydrolysate (3gr), Sodium desoxycholate (1.0gr), Ferrous sulphate(0.25gr), Sodium pyruvate(0.25gr), Agar (12gr), Inhibitory supplements (46mg).

pH Range: 7.2 - 7.6

pH 2 Range: 7.2 - 7.6

QC performance

GPT: inoculum 10-100 cfu.

Inhibitory properties: inoculum 10000 cfu.



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Test	ATCC NO	Incubation Temp. (°C)	Incubation Cond.	Reaction 1		Reaction 2	
Medium				CHROM.CAMPYLO		CAMPYLO BF	
<i>Campylobacter jejuni</i>	29428	41-43 °C	Microaerophilic, 48 hours	Pass	Red	Pass	Translucent non-coalescent
<i>Enterococcus faecalis</i>	19433	41-43 °C	Microaerophilic, 48 hours	Inhibited		Inhibited	
<i>Staphylococcus aureus</i>	25923	41-43 °C	Microaerophilic, 48 hours	Inhibited		Inhibited	
<i>Escherichia coli</i>	25922	41-43 °C	Microaerophilic, 48 hours	Inhibited		Inhibited	
<i>Proteus mirabilis</i>	4630	41-43 °C	Microaerophilic, 48 hours	Inhibited		Inhibited	
<i>Candida albicans</i>	10231	41-43 °C	Microaerophilic, 48 hours	Inhibited		Inhibited	

Storage (°C): 2-8

Procedure

Samples are isolated directly on the plate

Limitations:

C. fetus might not grow on these media

Final identification may require complementary tests

Warning and Precautions - For laboratory use only. Do not use plates if they show evidence of microbial contamination, discoloration, drying, cracking, or other signs of deterioration. Do not use the product beyond its expiry date