

Abeyta-Hunt Blood Agar



Medium used for the isolation and cultivation of *Campylobacter* spp. from clinical samples.

*Equally use with MFDS (MB-A1504K).

• CONTENTS (Liter)

Heart Infusion Broth	25.0 g
Yeast Extract	2.0 g
Agar	15.0 g
Final pH = 7.4 ± 0.2 at 25°C.	

• PROCEDURE

Suspend 42.0 G of powder in 1 L 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 2 vials of Abeyta-Hunt Blood Agar supplement (MB-C0721) and 5% of Horse Blood Lysed (MB-H1885). Mix well. Dispense into petri dishes.

Abeyta-Hunt Blood Agar supplement**

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

Cefoperazone	0.016 g
Rifampicin	0.0025 g
Amphotericin B	0.001 g

** Equally use with MB-A0721K

• INTERPRETATION

Abeyta-Hunt Blood Agar is a medium used for the isolation and cultivation of *Campylobacter* spp. from clinical samples. Heart infusion broth and yeast extract provide nitrogen, carbon, vitamins and minerals. Agar is the solidifying agent. Cefoperazone and rifampicin inhibit gram negative enteric bacilli and some gram positive microorganisms. Amphotericin B suppresses fungi. Horse blood lysed provides essential growth factors.

• TECHNIC

Inoculate the plates with spreading the specimen on surface of the medium using a sterile loop. Incubate at 35 ± 2°C for 48 - 72 hours under microaerobic conditions. Refer appropriate references for recommended test procedure.

• QUALITY CONTROL FOR USE

Dehydrated medium

Appearance: free-flowing, homogeneous

Color: light beige

Prepared medium

Appearance: opaque

Color: reddish-dark brown

Incubation conditions: 35 ± 2°C / 48 - 72 hours under microaerobic condition

Microorganism	ATCC	Inoculum CFU	Growth
<i>Campylobacter jejuni</i>	33291	50-100	good
<i>Escherichia coli</i>	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 or until signs of deterioration or contamination are evident. Store prepared medium at 2-8°C.

• REFERENCES

1. 1998. Bacteriological Analytical Manual, 8th ed, Revision A.
2. Ronald M. Atlas(2006), Handbook of Microbiological media for the examination of Food, Second Edition.
3. Refer to the MFDS.

• PACKAGE

Cat. No : MB-A1504 Abeyta-Hunt Blood Agar	500 G
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