

Preston Blood Free Campylobacter Agar Base

DM251

Intended Use

For the isolation of *Campylobacter* spp. from faeces and food.

Contents

See pack label.

Formulation*

Material:	Concentration in medium:
Peptone mixture	26.5 g/litre
Yeast extract	2.0 g/litre
D-glucose	0.5 g/litre
Magnesium sulphate	0.045 g/litre
Ferrous sulphate	0.25 g/litre
Sodium pyruvate	0.25 g/litre
Sodium desoxycholate	0.25 g/litre
Sodium chloride	3.75 g/litre
Charcoal	6.0 g/litre
Agar	12.0 g/litre
Final pH: 7.4 ± 0.2	

Storage and shelf life

All dehydrated culture media containers should be kept tightly closed and stored in a dry place at 10 to 25°C until the expiry date shown on the pack label.

Precautions

For *in vitro* diagnostic use only. Observe approved hazard precautions and aseptic techniques. To be used only by adequately trained and qualified laboratory personnel. Sterilise all biohazard waste before disposal. Refer to Product Safety Data sheet (available on request or via MAST® website).

Materials required but not provided

Standard microbiological supplies and equipment such as loops, MAST® selective supplements, swabs, applicator sticks, incinerators and incubators, etc., as well as serological and biochemical reagents and additives such as blood.

Procedure

1. Refer to pack label for quantities and volumes required. Prepare MAST® Preston Blood Free Campylobacter Agar Base (DM251D) by suspending the powder in distilled or deionised water. For sachet packs, dissolve the entire contents of the sachet in the volume shown on the label.
2. Autoclave at 121°C (15 p.s.i.) for 15 minutes.
3. Cool to 50 to 55°C and hold at this temperature in a water bath.

4. Add CAMP (Preston Blood Free) MAST® SELECTATAB (MS18 Series) or CAMP (Preston Blood Free) MAST® SELECTAVIAL (SV18 Series) as specified.
5. Mix well, pour culture plates (15 to 20ml per plate) and allow to set.
6. Prepared culture plates may be used immediately or stored in plastic bags at 2 to 8°C for up to one week before use.
7. Directly inoculate plates with faecal specimen, or suspect material.
8. Incubate under microaerobic conditions for up to 48 hours at 35 to 37°C (or alternative temperatures according to the methodology followed).

Interpretation of results

After incubation record growth of organisms. Typical characteristics to note include colony size, morphology and pigmentation. *Campylobacter jejuni* produce grey, moist, flat, spreading colonies after 42 hours. *Campylobacter coli* tend to be creamy-grey, moist, slightly raised, discrete colonies.

Quality control

Check for signs of deterioration. Quality control must be performed with at least one organism to demonstrate expected performance. Do not use the product if the result with the control organism is incorrect. The list below illustrates a range of performance control strains which the end user can easily obtain.

Test Organisms	Result
<i>Proteus mirabilis</i> ATCC® 43071	No growth
<i>Escherichia coli</i> ATCC® 25922	No growth
<i>Enterococcus faecalis</i> ATCC® 29212	No growth
<i>Campylobacter jejuni</i> ATCC® 29428	Growth

References

Bibliography available on request.