

**INTENDED USE**

Preston blood free selective supplement is intended as an inhibitor of contaminating flora other than *Campylobacters* present in cultures from faecal specimens.

**SUMMARY AND EXPLANATION**

Since the late 1970's *Campylobacters* have been acknowledged as a common agent involved in numerous cases of Enteritis, with particular emphasis on acute Gastroenteritis in infants.<sup>1</sup> Various methods have been developed to assist microbiologists in selectively isolating *Campylobacters*<sup>2,3</sup>. Two significant reports appeared in 1984. The first by Bolton, Hutchinson and Coates<sup>4</sup> describing an agar medium incorporating Cephalothin as a means of isolating *Campylobacters*. This report was quickly followed by a publication by Bolton and Hutchinson<sup>5</sup> advising that Cefoperazone when used to replace Cephalothin showed a significant improvement in isolation of *Campylobacters*. In 1987, Bolton<sup>6</sup> reported that by the addition of Amphotericin the selective isolation of *Campylobacters* is yet further improved.

**DESCRIPTION**

Cefoperazone and Amphotericin in accurate quantities are freeze-dried and provided in individually labelled vials. Each vial being sufficient to supplement 500/1000 ml, final medium.

**FORMULA**

Each vial contains:

	PL.499	PL.450
Cefoperazone	16 mg	32 mg
Amphotericin B	5 mg	10 mg

**PROCEDURE**

To reconstitute each vial of PRO-LAB Preston Blood Free Supplement PL.499/450, add, aseptically, 3 ml of sterile distilled water. After closing the vial, gently invert a few times to assist reconstitution.

To each 500/1000 ml of medium being prepared, add the reconstituted contents of one vial of PRO-LAB PL. 499/450. Prepare Preston *Campylobacter* Agar Base according to the

manufacturer's instructions. Then, during the proceedings, when cooling after autoclaving, and the medium is at 55° C, add the reconstituted contents of one vial of PRO-LAB Preston Blood Free Product PL.499/450.

After the supplement has been added, gently swirl the medium to evenly disperse the supplement. After mixing, dispense into sterile petri dishes.

**IN USE**

1. Before using selective medium ensure that plates are dry.
2. Inoculate test material onto surface of agar using a sterile inoculating loop (PL.100) or a sterile swab in such a manner as to encourage the growth of isolated colonies.
3. Incubate plates for 48 hours in a atmosphere of 10% CO<sub>2</sub> and at a temperature of 42° C. Incubation may be carried out at 37° C with a resulting reduction in the rate of recovery.
4. Examine after incubation.
5. *Campylobacter coli* colonies are generally creamy-grey in colour, moist, slightly raised and often discrete. *Campylobacter jejuni* strains are generally grey, moist, flat spreading colonies.

**SAFETY PRECAUTIONS**

1. PRO-LAB Supplement PL.499/450 is offered only as an in vitro material and is in no way intended for a curative or prophylactic purpose.
2. During and after use, handle all materials in a manner conforming to Good Laboratory Practices and consider at all times that material under test should be regarded as a potential biohazard if mishandled.

**PRESENTATION**









PRO-LAB *Campylobacter* Supplement Preston Blood Free Formula PL.499/450 is supplied 10 vials per box (lyophilized).

**STORAGE**

PRO-LAB *Campylobacter* Supplement Preston Blood Free Formula PL.499/450 must be stored at 2°C to 8°C. Kept under these conditions, it may be used up to date of expiry shown on product label.

**REFERENCES**

1. Bokkenheuser, V.D., Richardson, N.J., Bryner, J.H., Roux, D.J., Schutte, A.B., Koornhof, H.J., Freiman, I. and Hartman, E.J. 1979. Clin. Microbiology 2: 227-232.
2. Skirrow, M.B. 1977. British Medical Journal 2: 9-11.
3. Blaser, M., Craven, J., and Wang, W.L.L. 1978. "Isolation of *Campylobacter*" (letter) British Medical Journal. July 1978, pp. 57.
4. Bolton, F. J., Hutchinson, D.N. and Coates, D. 1984. J. Clin. Microbiology 19 (2): 169-171.
5. Bolton, F.J. and Hutchinson, D.N. 1984. J. Clin. Pathology, 37 (8): 956-957.
6. Bolton F.J. 1987. Personal Communication (due for publication).

	= Use by
	= Lot number
	= Catalogue number
	= Manufacturer
	= Authorized Representative in the European Community
	= In vitro diagnostic medical device
	= Temperature limitation
	= Consult instructions for use