		V. alginolyticus	*V. cholerae*	*V. fluvialis*	*V. furnissii*	*V. hollisae*	*V. metschnikovii*	*V. mimicus*	*V. parahaemolyticus*	*V. vulnificus*	*A. hydrophila* **	*P. shigelloides* **
	ONPG	–	+	+	+	–	+	+	–	+	+	–
	Voges-Proskauer	+	V	–	–	–	+	–	–	–	+	–
Sensi-tivity to:	10 µg O/129	R	S	R	R	nd	S	S	R	S	R	S
	150 µg O/129	S	S	S	S	nd	S	S	S	S	R	S
	Gelatinase	+	+	+	+	–	+	+	+	+	+	–
	Urease	–	–	–	–	–	–	–	V	–	–	–

* Adapted from Elliot *et al.* (31)

** *Aeromonas hydrophila, Plesiomonas shigelloides*

Abbreviations: TCBS, thiosulfate-citrate-bile salts-sucrose; mCPC, modified cellobiose-polymyxin B-colistin; AGS, arginine-glucose slant; Y = yellow NG = no or poor growth S = susceptible nd = not done

G = green V = variable among strains R = resistant P = purple, V = variable, KK = Slant alkaline / Butt alkaline KA = Slant alkaline /Butt acidic, Ka = Slant alkaline/ Butt slightly acidic

10. ISOLATION METHOD OF *LISTERIA MONOCYTOGENES*

Abhay Kumar, L. Narasimha Murthy,
Mumbai Research Centre of CIFT, Vashi, Navi Mumbai – 400703

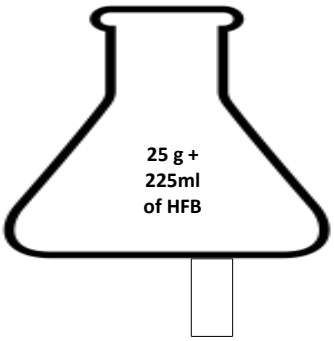
- **Protocol**

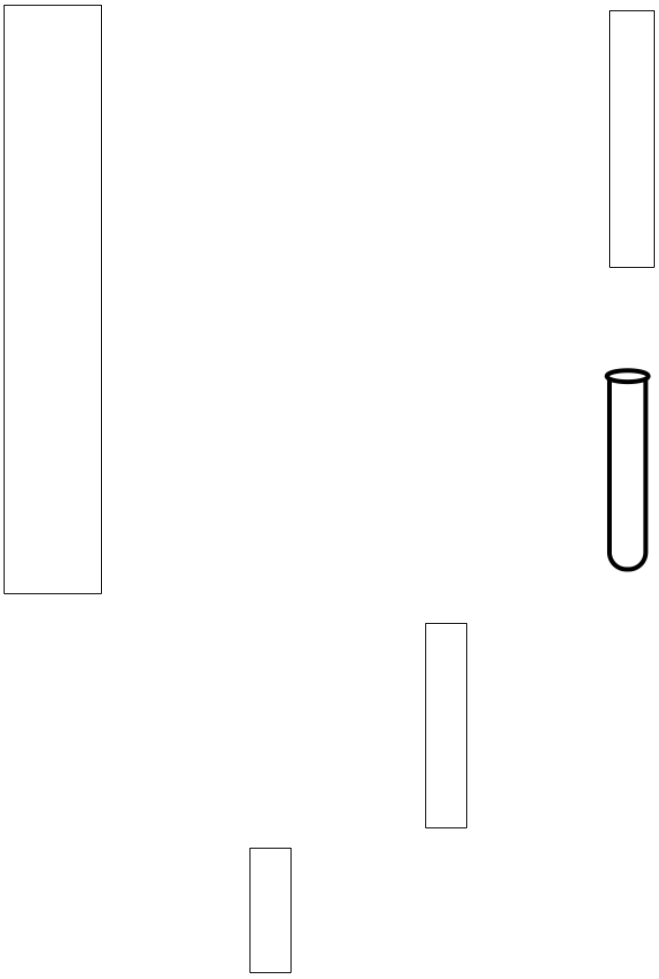
1. Weigh 25 g of sample into a sterile stomacher bag (capacity approximately 500 ml).
2. Add 225 ml (HFB-Half Fraser Broth) thoroughly mix, blend or stomach and incubate for 24 h at 30° C.

3. After 24 hours aseptically add the 0.1 ml of culture in 10 ml of secondary medium (FBB-full fraser broth) and incubate for 24 h at 30° C.
4. Continue incubation at 30° C for the remainder of the 24 to 48 h enrichment period.
5. At 24 and 48 h, streak on (ALOA-Agar Listeria according to Ottavani and Agosti) and also streak on PALCAM and Hichrome Listeria agar and_ Incubate plates for 24 h at 37° C.
6. Streaking on Tryptic soya agar slants for purification at 37° C for 24-48 h.
7. **Identification Procedure**

- Beta hemolysis
- Microscopic aspects
- L- Rhamnose
- D-Xylose
- CAMP test
- Motility at 25° C
- Catalase
- Gram stain

Detection of *Listeria monocytogenes*





Tests	Results
Microscopic aspects	Slim short rods or coccobacilli
Beta- haemolysis	+
L- Rhamnose	+
D- Xylose	-
Catalase	+
Motility at 25°C	+
CAMP test	+
Gram positive rods	