



## Enumeration of *Listeria monocytogens* and other *Listeria* sp as per ISO 11290

### Primary enrichment



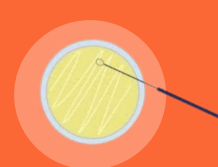
25 g Sample + 225 ml  
Half Fraser Broth  
&  
Incubate @  $30 \pm 1^\circ\text{C}$   
for  $24 \pm 2\text{h}$

### Secondary enrichment



0.1ml + 10 ml Fraser  
Broth (Full-strength)  
&  
Incubate @  $37 \pm 1^\circ\text{C}$   
for  $24 \pm 2\text{h}$

### Plating



Inoculate with loop on  
Ottaviani & with loop &  
Incubate @  $37 \pm 1^\circ\text{C}$   
for  $48 \pm 2\text{h}$  for typical  
colonies

### Typical colony



*L. monocytogenes*: Blue-green colonies with or without opaque halo  
Confirmation: Biochemical test and PCR

- \* Secondary plating on chromogenic agar: Optional
- \* Mandatory test:  $\beta$ -hemolysis, L-Rhamnose, D-Xylose
- \* Optional: Catalase, Motility at , CAMP [Christie, Atkins, Munch-Petersen] test & VP [Voger's Proskauer's] test