



USE PROTOCOL FOR R & F[®] *LISTERIA* SP. CHROMOGENIC PLATING MEDIUM

- 1 Prepare the R & F[®] *Listeria* sp. Chromogenic Plating Medium according to the instructions on the bottle label. After the plates have been poured, they should be stored in the dark for 48 hours at room temperature to dry the surface of the agar. The plates should be opaque white in appearance. After surface drying, the plates can be placed in Petri plate sleeves (slits added to the sleeves to allow condensation to escape) and stored at 2-8°C for up to 60 days.
- 2 From a designated *Listeria* enrichment broth, streak a loopful onto R & F[®] *Listeria* sp. Chromogenic Plating Medium.
- 3 Invert the plates and incubate at 35°C for 42-48 hours.
- 4 Typical *Listeria* sp. colonies appear pink colored with a convex colony shape, 1.0-2.0 mm in diameter with and without a precipitate against a white opaque background.
- 5 To determine the presence of *Listeria*, pick several pink colored colonies and perform catalase and wet mount. If the cells are positive for tumbling and catalase, this indicates the presence of *Listeria* sp. in the sample. A Gram stain can also be performed showing the presence of *Listeria* sp. which displays a Gram positive small rod reaction.
- 6 For further confirmation of *Listeria* sp., conventional methods and procedures may be used.