



USE PROTOCOL FOR THE R & F® *SHIGELLA* SP. CHROMOGENIC PLATING MEDIUM

- 1 Prepare the R & F® *Shigella* sp. Chromogenic Plating Medium according to the instructions provided on the packaging labels. 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. After surface drying, the plates can be placed in Petri plate sleeves (cutting hole in the sleeves to allow condensation to escape) and stored at 2-8°C for up to 45 days.
- 2 The inoculation of the plates should use the spread or streak plate technique by placing the inoculum on the surface of the plate and streaking using a loop or spreading it using a sterile glass bent rod. Make sure the inoculum has soaked into the agar before incubation.
- 3 Incubate the plates inverted for 22-28 hours at 35-37°C.
- 4 *Shigella* sp. colonies appear white/clear raised 1.0 to 3.0 mm in diameter with or without a clear ring and with no precipitate. Other colony types appearing on this plating medium that are **not** presumptive *Shigella* sp. strains are green with or without a green precipitate, yellow with or without a yellow precipitate, blue-black with or without a blue precipitate, and variations of these colors.
- 5 Use standard methods for colony confirmation.