

## CERTIFICATE OF ANALYSIS

Product: **R & F® *Shigella* sp. Chromogenic Plating Medium**

Code #: M-0850

Lot: 091525

Expiration Date: September 2031

1. Dehydrated Medium Appearance: Tan to beige; free flowing; and homogeneous.
2. Solubility: 5.1% solution, soluble in deionized or distilled water at boil.
3. Loss after drying at 250°F for 30 minutes: 5.27%
4. Solution Appearance after boiling: Orange to red, slightly opalescent.
5. pH of a 5.1% solution at 25°C before adjustment: 6.77
6. Final pH at 25° after adjustment: 6.84
7. Cultural Response: Medium was prepared per label instructions. Plates were inoculated by streaking the test organisms and incubated at 35 ± 1°C for 24-26 hours.

TEST ORGANISM	IDENTIFICATION	RECOVERY	COLONY DESCRIPTION
<i>Shigella sonnei</i>	FDA# SEA 13G02	Good Growth	White/Clear; Raised; 1.5-2.0 mm in diameter; no precipitate
<i>Shigella boydii</i>	FDA# SEA 13G18	Good Growth	White/Clear; Raised; 1.5-2.0 mm in diameter; no precipitate
<i>Shigella flexneri</i>	Robert Koch Institute – 6326/9	Good Growth	White/Clear; Raised; 1.5-2.0 mm in diameter; no precipitate
<i>Shigella dysenteriae</i>	Robert Koch Institute – 2664/99	Good Growth	White/Clear; Raised; 2.0-3.0 mm in diameter; no precipitate
<i>Pseudomonas aeruginosa</i>	ATCC 15442	No Growth	-----
<i>Escherichia coli</i>	ATCC 25922	Good Growth	Yellow; 1.5-2.0 mm in diameter with a clear ring; no precipitate
<i>Enterobacter aerogenes</i>	ATCC 29751	Good Growth	Green; 1.5-2.0 mm in diameter with no clear ring; green precipitate
<i>Staphylococcus aureus</i>	ATCC 6538	No Growth	-----

8. The results reported were obtained at the time of release. The product should be stored at 2-8°C and do not freeze.

Tested by: Lawrence Restrepo

Date: 8/27/2023