

CERTIFICATE OF ANALYSIS

Product: **R & F[®] *Escherichia coli* O157:H7 Chromogenic Plating Medium**

Cat. #: M-0300

Lot: 111225

Expiration Date: November 2032

1. Dehydrated Medium Appearance: Off white to light pink, free flowing and homogeneous.
2. Solubility: 8.0% solution, soluble in deionized or distilled water at boil.
3. Loss on drying at 250°F at 30 minutes: 1.7%
4. Solution Appearance after boiling: Orange to red and slightly opalescent.
5. pH of an 8.0% solution at 25°C before adjustment and prior to boiling: 6.90
6. Final pH at 25°C: 6.88
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	ATCC #	RECOVERY	COLONY DESCRIPTION
<i>Escherichia coli</i> O157:H7	43889, 43890, and 43894	Good Growth	Blue-Black colonies; 1.5-2.0 mm in diameter with a black precipitate
<i>Pseudomonas aeruginosa</i>	15442	No Growth	-----
<i>Escherichia coli</i>	25922	Partial Growth	Green colonies; <1 to 1.5 mm in diameter with a green precipitate
<i>Klebsiella pneumoniae</i>	4352	No Growth	-----
<i>Salmonella manhattan</i>	-----	Good Growth	Yellow colonies; 1.0-1.5 mm in diameter with no precipitate
<i>Enterobacter aerogenes</i>	29751	No Growth	-----
<i>Staphylococcus aureus</i>	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 Restano

Date: 11/14/2025