

CERTIFICATE OF ANALYSIS

Product: R & F® Yersinia pestis Chromogenic Plating Medium **Code #: M-1050**

Lot: 010226

Expiration Date: January 2032

1. Dehydrated Medium Appearance: Cream to tan color, free flowing with even particle size and homogeneous.
2. Solubility: 8.2% solution, soluble in deionized or distilled water at boil.
3. Loss on drying at 250°F at 30 minutes: 6.48%
4. Solution Appearance after boiling: Purple, slightly opalescent.
5. pH of a 8.2% solution at 25°C before adjustment: 7.21
6. Final pH at 25° after adjustment: 7.28
7. Cultural Response: Medium was prepared per label instructions. Plates were inoculated by streaking the test organisms and incubated at $28 \pm 1^\circ\text{C}$ for 48 to 72 hours.

| TEST ORGANISM | ATCC or other # | RECOVERY | COLONY DESCRIPTION |
|--------------------------------|-----------------|-------------|--|
| <i>Yersinia pestis</i> | CO92 | Good Growth | Dark Blue-Black colonies; 1.0-2.0 mm in diameter with a clear ring |
| <i>Yersinia pestis</i> | 11953 | Good Growth | Dark Blue-Black colonies; 1.0-2.0 mm in diameter with a clear ring |
| <i>Yersinia enterocolitica</i> | 29913 | Good Growth | Yellow to cream colonies; 1.0-2.0 mm in diameter with no clear ring and no precipitate |
| <i>Citrobacter freundii</i> | ----- | Good Growth | Yellow colonies; 2.0-2.5 mm in diameter with no clear ring and no precipitate |
| <i>Escherichia coli</i> | 25922 | 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 Bustamante*

Date: *1/13/2026*