

## CERTIFICATE OF ANALYSIS

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

Lot: 103121

Expiration Date: October 2027

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: 6.21%
4. Solution Appearance after boiling: Purple, slightly opalescent.
5. pH of a 8.2% solution at 25°C before adjustment: 7.22
6. Final pH at 25° after adjustment: 7.24
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: 11/03/2021