

## CERTIFICATE OF ANALYSIS

**Important Note:** Centrifuge before opening to ensure complete recovery of vial contents.

**Catalog #:** R01705 **Lot #:** 2K32321

**Description:** *Treponema pallidum* (TP) Recombinant  
*Treponema pallidum* (Syphilis) p17/p15/p44.5/p47 Recombinant

Contains four antigens expressed in *E. coli* as a chimera:

-*T. pallidum* p17 except the signal sequence.

-*T. pallidum* p15 fragment.

-*T. pallidum* p44.5 fragment.

-*T. pallidum* p47 fragment.

**Source:** *E. coli*

**Format:** Purified, Lyophilized

**Purification:** > 95% pure (SDS-PAGE). Perchloric Acid (PCA) precipitation and dialysis.

**Concentration:** None

**Buffer:** Prior to Lyophilization: 25 mM Tris-HCl Buffer, pH 8.5 containing 0.02% Sodium Dodecyl Sulfate (SDS).  
Reconstitute in distilled water.

**Preservative:** None

**Applications:** Suitable for use in ELISA. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.

**Storage:** Store desiccated at -20°C. After reconstitution, store at 2-8°C for no longer than 3 days.

**Inactivation:** Not Applicable

**Safety Note(s):** Refer to the appropriate Safety Data Sheet (SDS) for additional information.

Quality Signature: 

19NOV2021

**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**