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CERTIFICATE OF ANALYSIS

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

Catalog #: R01687 **Lot #:** 6I27316

Description: Dengue Type 1 Antigen
Purified from Dengue type 1 virus particles. Will be recognized by antibodies to E1 protein.

Source: Vero Cells
Dengue Strain: West Pacific 74

Format: Purified, Liquid

Purification: Tissue culture supernatant was purified by chromatography and then dialyzed against the buffer below.

Concentration: Protein: 0.79 mg/mL (Dye Binding Assay)
Viral RNA Copies: 8.61×10^9 (Specification = $> 10^8$ copies/mL.)

Buffer: Potassium Phosphate Based Buffer, pH 7.2

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 at $\leq -70^\circ\text{C}$. Avoid multiple freeze/thaw cycles as product degradation may result.

Inactivation: Dengue virus is inactivated by gamma irradiation that damages nucleic acid. Inactivation is confirmed by Vero cell culture.
Result: No growth detected.

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

Robert Ott

Signature

03 October 2016

Date

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY