

# Certificate of Analysis

## KPL Phosphatase-Labeled Streptavidin

**PART Code** 5270-0030 (15-30-00)  
**Lot No.** **10634707**  
**SIZE** 0.5 mg

**DESCRIPTION** Streptavidin is a 60,000 Dalton protein isolated from the bacterium *Streptomyces avidinii* and binds four molecules of biotin with high affinity ( $K_d = 10^{-15}M$ ). Streptavidin is covalently linked with phosphatase using a modified Glutaraldehyde procedure.

**FORM/STORAGE** Lyophilized. Store refrigerated at 2 – 8°C until rehydrated.

**CONTENT** Each vial contains 0.5 mg of Streptavidin.

**E/P RATIO** Molar enzyme/streptavidin protein ratio = 1.34:1

**STABILIZERS AND PRESERVATIVES** Stabilization diluent added as a protein stabilizer. No preservatives added. Non-sterile.

**SPECIFICITY** Tested by ELISA techniques as applicable.

**STABILITY** Product is stable for one year from date of receipt when stored properly.

**DATE OF MANUFACTURE** 07 SEP 2022

Approval:

A handwritten signature in black ink, appearing to read "M. Walinski".

Quality Assurance

19 SEP 2022

Date