

Certificate of Analysis

KPL Phosphatase-Labeled Streptavidin

PART Code 5550-0002 (71-00-45)
Lot No. 10509972
SIZE 50 mL

DESCRIPTION Streptavidin is a 60,000 dalton protein isolated from the bacterium *Streptomyces avidinii* and binds four molecules of biotin with high affinity ($K_d = 10^{-15} M^{-1}$). Streptavidin is covalently linked with alkaline phosphatase using a modified glutaraldehyde procedure.

FORM/STORAGE Liquid. Store refrigerated at 2 – 8°C.

CONTENT Each vial contains 50 mL of KPL Phosphatase-Labeled Streptavidin.

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

STABILIZERS AND PRESERVATIVES Bovine serum albumin (BSA) added as protein stabilizer. A proprietary biological preservative is added. Non-sterile.

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

DATE OF MANUFACTURE 16 JUL 2020

Approval:

A handwritten signature in blue ink that reads "Kimberly M. Weddat".

Quality Assurance

19 AUG 2020

Date