

Certificate of Analysis

KPL Phosphatase-Labeled Streptavidin

PART Code 5270-0030 (15-30-00)
Lot No. 10552025
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 04 MAY 2021

Approval:

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

Quality Assurance

24 MAY 2021

Date