

Certificate of Analysis

For Research Use Only
Not for Human or Animal Consumption

KPL Peroxidase Labeled Streptavidin

CATALOG NO. 5950-0004 (474-3000)
LOT NO. **10562709**
SIZE 1.0 mL

DESCRIPTION KPL Streptavidin is a 60,000 dalton protein isolated from the bacterium *Streptomyces avidinii*. Streptavidin is covalently linked with peroxidase by a modification of the periodate method of Nakane and Kawaoi.

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

CONTENT Each vial contains 1.0 mL of peroxidase labeled streptavidin Lot No. **10562709**.

E/P RATIO Molar enzyme/protein ratio = 2.5:1

SPECIFICITY Testing performed to assure the purity and specificity. This product has been shown to bind four molecules of biotin with high affinity ($K_p = 10^{-15}$ M).

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

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

DATE OF MANUFACTURE 22 FEB 2022

Approval:

A handwritten signature in black ink, appearing to read 'M. Waki' or similar.

QA Verified By

24 MAR 2022

Date