

CERTIFICATE OF ANALYSIS

PRODUCT: STREPTAVIDIN (*Streptomyces avidinii*)

PRODUCT CODE: SA10

LOT NUMBER: 606 002

FORMULATION: Lyophilized. Contains ~0.9 mg protein/mg lyophilizate (the balance is NaCl).

STORAGE: -20°C. Store reconstituted material at -20°C; storage of reconstituted material at 2-8°C requires the addition of a preservative.

EXPIRATION DATE: February 2021

QUALITY CONTROL

	Lot Result	Specification
Specific Activity (HABA method ¹)	15.3 U/mg	≥ 14.0 U/mg
Specific Activity (Biotin titration)	18.3 U/mg	Report only
SDS-PAGE Analysis	Passed	Predominantly single band

Authorized Signature

¹. One unit will bind one microgram of d-biotin at pH 7.0. The biotin-binding activity of streptavidin is determined using a modification of the HABA dye-binding assay: Green NM. Spectrophotometric determination of avidin and biotin. Meth Enzymol 1970; 18A:418-424.