

CERTIFICATE OF ANALYSIS

PRODUCT NAME: PHYCOLINK® STREPTAVIDIN R-PHYCOERYTHRIN
 PRODUCT CODE: PJ39S
 LOT NUMBER: 728 005
 FORMULATION: 25 mM sodium phosphate, 150 mM sodium chloride, pH 7.0
 PRESERVATIVE: 0.02% sodium azide
 STORAGE: Store at 2 - 8°C in the dark. DO NOT FREEZE.
 RE-ASSAY DATE: May 2019. Re-assay data available upon request.

ProZyme PhycoPro™ R-Phycoerythrin was conjugated to ProZyme SA10 Streptavidin (*Streptomyces avidinii*). The conjugate was manufactured to yield predominantly a single peak on an HPLC chromatogram consistent with approximately two streptavidin molecules conjugated to a single R-phycoerythrin molecule. The product has been purified to remove larger conjugate molecules and unreacted components in order to improve sensitivity and reduce non-specific binding. As a final step, the product was filtered using a 0.45 µm membrane and stored in a sterile container.

Quality Control

	Lot Value ¹	Specification ¹
Total Protein Concentration ²	2.03 mg/ml	2.10 ± 0.10 mg/ml
Streptavidin Concentration ²	0.57 mg/ml	report only
RPE Molarity ²	6.1 µM	report only
Streptavidin Molarity ²	10.9 µM	report only
% binding of A ₅₆₆ to biotin-agarose	97%	≥90%
A ₅₆₆ /A ₂₈₀	3.1	report only

Authorized Signature

¹ Lot values and specifications are for original QC release.

² Measured spectrophotometrically.