



CERTIFICATE OF ANALYSIS

PRODUCT NAME: PHYCOLINK® STREPTAVIDIN-ALLOPHYCOCYANIN
PRODUCT CODE: PJ27S
LOT NUMBER: 890 052
BUFFER: 10 mM Tris-HCl, 150 mM NaCl (pH 8.2)
PRESERVATIVE: 1 µg/ml pentachlorophenol
STORAGE: 2 - 8°C in the dark. DO NOT FREEZE.

GT5™ Allophycocyanin (*Spirulina platensis*) was cross-linked and conjugated to Streptavidin (*Streptomyces avidinii*). The conjugate has been purified to remove 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.

| CHARACTERISTIC | LOT VALUE | SPECIFICATION |
|---|------------|------------------|
| Streptavidin concentration ¹ | 0.81 mg/ml | report only |
| Total protein concentration ¹ | 2.15 mg/ml | 2.10 ±0.10 mg/ml |
| APC molarity ¹ | 12.9 µM | report only |
| Streptavidin molarity ¹ | 14.8 µM | report only |
| Binding of A ₆₅₀ to biotin-agarose | 98% | ≥90% |
| A ₆₅₀ /A ₂₈₀ | 2.1 | report only |

¹ Measured spectrophotometrically.

Authorized Signature

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