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Certificate of Analysis

Description of the Material:

- (a) Chemical Name: Streptavidin-Maleimide
- (b) Molecular Weight: 53 KDa
- (c) CAS Registry Number: N/A
- (d) Appearance: Lyophilized powder and ready for use after reconstitution with water.
- (e) Amount: 1 mg

Material Code and Batch Number:

- (a) Part Number: CM52401
- (b) Lot Number: 02901031

Purity, Activity, and Loading:

- (a) HPLC Analysis: $\geq 99\%$ conjugates
- (b) Maleimide Groups: 2.9 per Streptavidin by MS
- (c) Biotin Binding: $>17 \mu\text{g}$ biotin per mg

Intended Use: For research and development use only.

Hazard Information: No known OSHA hazards. See SDS for details.

Shelf Life, Storage/Stability: The product is relatively stable at ambient temperature. Recommended storage condition for the product is -20°C or preferably in a -80°C freezer. After reconstitution, the solution should be used within 1 hour.

Expiration Date: 1 year after receiving if stored at -20°C or below.

Data Appendix: Size exclusion HPLC and MALDI-TOF MS Data.

Supplemental Data Sheets

Figure 1: MS analysis of streptavidin (left) and streptavidin-maleimide (right) (data acquired by MDS SCIEX 4800 MALDI TOF Analyzer).

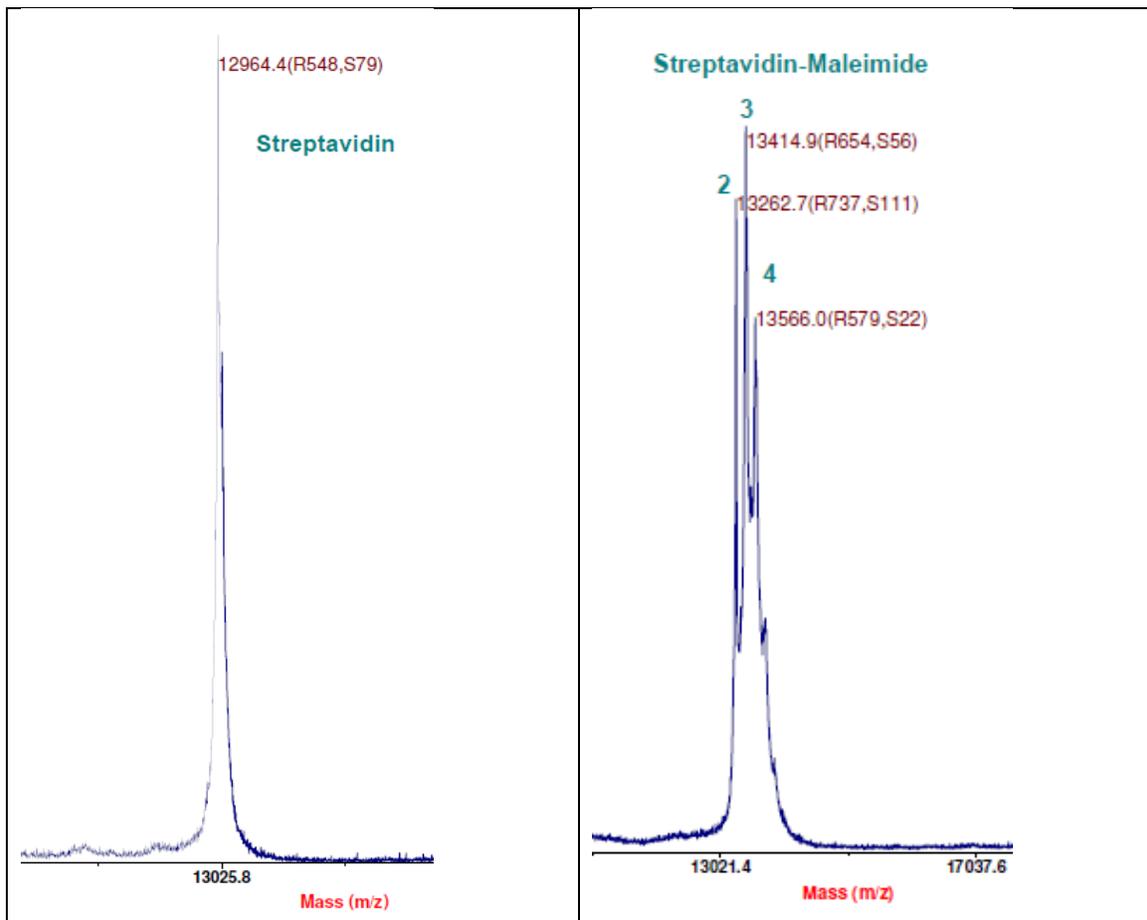


Figure 2: SEC HPLC analysis of streptavidin-maleimide ($\geq 99\%$ conjugates, 4.1% aggregation)

