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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 Specifications and Results:

- (a) HPLC analysis:  $\geq 99\%$  conjugates
- (b) Maleimide group: 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:** N/A.

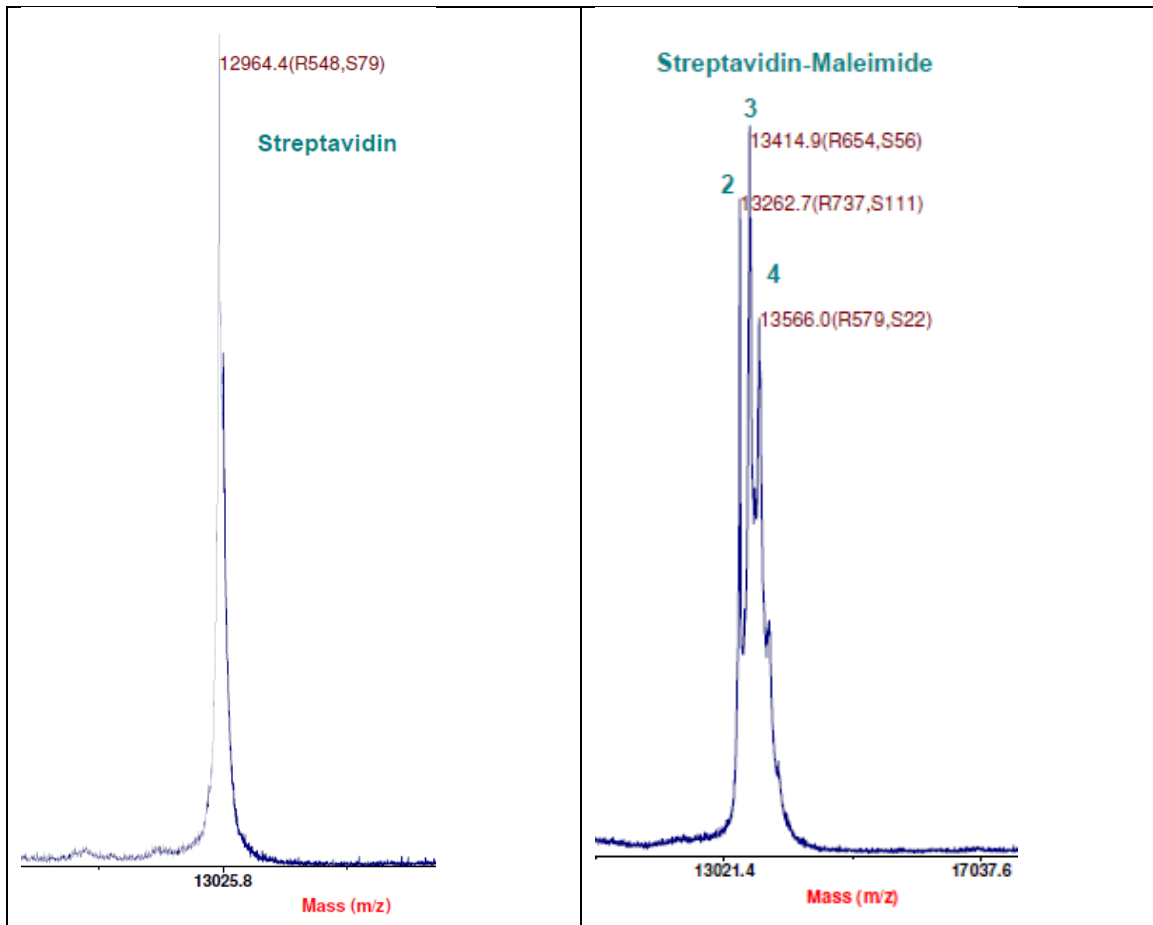
**Shelf life, Storage / Stability as supplied:** The product is relatively stable at ambient temperature. Recommended storage condition for the product is  $-20 \text{ }^\circ\text{C}$ . Shelf life of this compound is estimated to be 5 years from the date of packaging.

Date of packaging: Jan. 26, 2018

Date of retest: Jan. 26, 2023

## 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)

