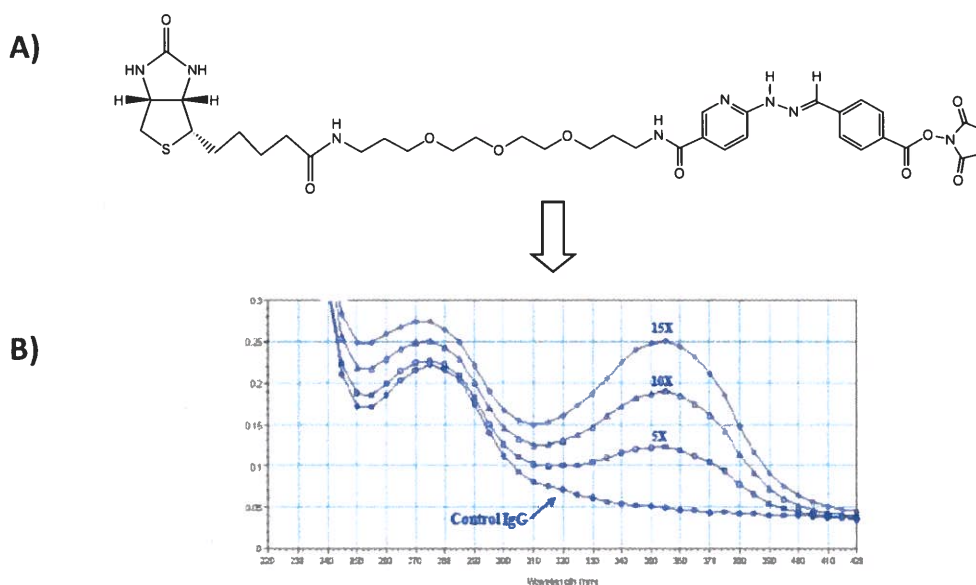


## Product Data Sheet/Certificate of Analysis

### ChromaLink™ Biotin Protein Labeling Kit

Storage: **Store at room temperature.**


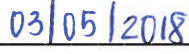


**Figure:** A) ChromaLink Biotin reagent structure B) Overlaid UV absorption spectra of buffer exchanged Biotinylated bovine IgG using ChromaLink™ Biotin at 5x, 10x and 15x mole equivalents of reagent over protein.

Catalog Number: B-9007-105K Lot Number: T1-CTC01A

Component	Component #	Part #	Units
ChromaLink Biotin	B-9007-105-00	B-1001-0.5	5 x 0.5 mg
10X Modification Buffer	B-9007-105-02	S-4000-1.5	2 x 1.5 mL
10X PBS	B-9007-105-03	S-8002-1.5	2 x 1.5 mL
0.5 mL Zeba™ column	B-9007-105-04	S-4024-0.5	12
2 mL Collection Tube	B-9007-105-05	S-8014-2	2 x 12
1.5 mL Storage Tube	B-9007-105-06	S-8016-1.5	12
Bovine IgG Control	B-9007-105-07	S-8040-0.5	0.5 mg
Biotinylated Bovine IgG Control (MSR =XXX ±0.5)	B-9007-105-08	S-8041-0.5	0.5 mg
Anhydrous DMF	B-9007-105-09	S-4001-1.5	1.5 mL

Test	Specification	Result
Assay Performance	Biotin MSR labeling of Bovine IgG @ 1mg/mL is $\geq 3.0$ .	Passed

QC Release Date	2/7/2018	Expiration Date:	2/7/2020
Product Released By:			
			
QA	Date		

## Product Description

ChromaLink Biotin is the most advanced protein biotinylation reagent available. It features a succinimidyl ester functional group (a), which modifies protein lysine residues in an aqueous buffer. The linker is UV-traceable (b), and absorbs at 354 nm. This UV-signature permits rapid quantification of incorporated biotin (c), by means of nondestructive measurement (A280/A354 nm). The linker possesses an extended PEG3 spacer (d), which helps preserve and maintain streptavidin/biotin affinity.

## Application

This kit is used to biotinylate antibodies, proteins and peptides greater than 7kDa for the use in Western Blot, ELISA, immobilization and immunohistochemistry applications. May also be used in any assay as an alternative to a standard NHS-Biotin linker.

## Comments

**Store at room temperature.** Not for internal or external use in humans.

