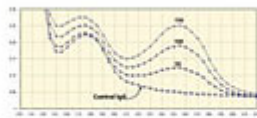


ChromaLink™ Biotin Labeling Kit

Catalog Number: **QB-9007-105K** Size: **5 x 0.5 mg** Price: **\$325.00**



UV-traceable antibody biotinylation



Versatile: labels 25 µg – 1 mg



No HABA or Fluoro-Reporter Assay



Foolproof protocol on a flash drive

The ChromaLink Biotin Labeling Kit has everything you need and is faster and easier for labeling and measuring the amount of bound biotin than traditional HABA:Avidin displacement measurement method. The Kit also has simple protocols on a flash drive and water soluble reagents, so it is safe, no organics needed.

- Complete Kit, contains sufficient material to biotinylate five samples of 25 micrograms to 1 milligram
- Fast and easy method to biotinylate and determine the amount of labeling
- Label and determine the extent of biotin labeling with one reagent
- Simple calculations based on UV absorbance estimates total biotin incorporation (moles of biotin per mole of protein/peptide)
- Nondestructive assay does not destroy biotinylated sample

Although widely used by researchers labeling antibodies and other molecules with biotin, the HABA:avidin method for estimating the extent of biotinylation has limitations. ChromaLink Biotin from SoluLinK accurately determines the degree of biotin incorporation without any of these disadvantages.

This reagent has three important features that make it ideal for biotinylation:

1. A chromophore that absorbs strongly at 354 nm when coupled to protein; the chromophore, also covalently attached to the protein, is used to estimate the extent of labeling.
2. A long polyethylene glycol (PEG3) spacer, which reduces the tendency for aggregation of the labeled protein and minimizes steric hindrances related to the binding of biotin to biotin-binding proteins in affinity or detection applications.
3. An aromatic N-hydroxysuccinimide (NHS) ester reactive group, known to efficiently couple to amines, such as the ε-amino group of lysine (K) or the α-terminus of the protein in aqueous systems.