

EZ-Link biotinylation kits, Thermo Scientific Pierce

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Sulfo-NHS-SS-biotin kit (PN21445)

- Cleavable disulfide bond in spacer arm can be reduced with DTT or other reducing agent to release the labelled protein avidin or streptavidin in protein interaction or affinity applications

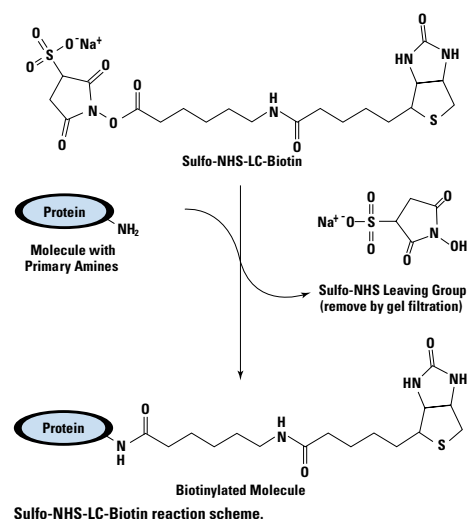
NHS-PEG₄-biotin kit (PN21455)

- Polyethylene glycol (PEG) spacer arm enhances water solubility
- Hydrophilic PEG spacer confers solubility to labelled protein (i.e., antibodies labelled with this reagent are less likely to aggregate and precipitate during long term storage than those labelled with other biotin reagents)

Thermo Scientific Pierce EZ-Link biotinylation kits provide sufficient biotinylation reagent for 8 to 10 labelling reactions of 1mg to 10mg of protein each.

Each kit also includes an appropriate labelling reaction buffer and 10 Thermo Scientific Pierce Zeba desalt spin columns for efficient clean-up of the labelled protein.

Catalogue No	Description
PN21425	Sulfo-NHS-biotinylation kit Sulfo-NHS-biotin, 25mg BupH PBS (pack makes 500mL), 1 pack Zeba desalt spin columns, 5mL, x 10 HABA (10mM), 1mL Avidin, affinity-purified, 10mg
PN21435	Sulfo-NHS-LC-biotinylation kit Sulfo-NHS-LC-biotin, 25mg Non-reagent contents same as PN21425
PN21445	Sulfo-NHS-SS-biotinylation kit Sulfo-NHS-SS-biotin, 25mg Non-reagent contents same as PN21425
PN21455	NHS-PEG₄-biotinylation kit NHS-PEG ₄ -biotin, 8 x 2mg Non-reagent contents same as PN21425



EZ-Link Micro biotinylation kits, Thermo Scientific Pierce

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Biotinylate 50µg to 200µg of antibody or other protein.

- Sufficient reagents for 8 labelling reactions
- Labels 50µg to 200µg protein in 200µL to 700µL per reaction
- NHS-ester biotins react specifically with primary amines (N-terminus and side chain of lysine residues), resulting in stable amide bond
- Zeba desalt spin columns (2mL) provide rapid sample clean up and excellent protein recovery (faster than dialysis and gravity-flow gel filtration, and much better protein recovery and desalting efficiency than diafiltration)
- Micro biotinylation kits do NOT include reagents and protocol for determining labelling efficiency because it would use up most of the small amount of labelled sample

Thermo Scientific Pierce EZ-Link Micro biotinylation kits supply the reagent in a convenient Thermo Scientific Pierce no-weigh microtube format and include small Thermo Scientific Pierce Zeba desalt spin columns.

These columns are ideal for small-scale labelling of commercial antibodies and other samples that are available in limited amounts.

Catalogue No	Description
PN21925	Micro Sulfo-NHS-biotinylation kit Sulfo-NHS-biotin, 8 x 1mg BupH PBS (pack makes 500mL), 1 pack Zeba desalt spin columns, 2mL (x10)
PN21935	Micro Sulfo-NHS-LC-biotinylation kit Sulfo-NHS-LC-biotin, 8 x 1mg Non-reagent contents same as PN21925
PN21945	Micro Sulfo-NHS-SS-biotinylation kit Sulfo-NHS-SS-biotin, 8 x 1mg Non-reagent contents same as PN21925
PN21955	Micro NHS-PEG4-biotinylation kit NHS-PEG4-biotin, 8 x 2mg Non-reagent contents same as PN21925