FastTag® labeling of nucleic acids:
Reconstitute with 500 µl of anhydrous dimethyl formamide (DMF) and store at -20 °C to -80 °C in the dark.

Labeled control DNA is included as a reference standard in FastTag® nucleic acid labeling protocols to verify successful labeling.

Follow the labeling procedure included with the FastTag® labeling system products.

5' EndTag™ or 3' EndTag™ labeling of nucleic acids:
Dissolve Biotin (Long Arm) Maleimide in 312 µl of anhydrous dimethyl formamide (DMF) and store at -20 °C to -80 °C in the dark.

Follow the labeling procedure included with the 5' EndTag™ or 3' EndTag™ systems.

Protein labeling procedure:
1. Dissolve the protein to be labeled in 100 mM phosphate buffer, pH 7.0 at a concentration of 5 mg/ml.
2. Dissolve a slight excess of Biotin (Long Arm) Maleimide in dimethyl formamide (DMF) at a concentration of 20 mg/ml.
3. Add 25 µl Biotin (Long Arm) Maleimide per ml of protein solution.
4. Incubate at room temperature for 3 hours with occasional stirring.
5. Separate the unreacted material from the protein by gel filtration or dialysis.

References:


Selected reagents for the detection of the biotin label:
Alkaline Phosphatase Anti-Biotin, made in goat SP-3020 • 1ml
Alkaline Phosphatase Streptavidin SA-5100 • 1ml
Anti-Biotin-M, made in mouse MB-9100 • 1ml
Anti-Biotin, made in goat SP-3000 • 1mg
Fluorescecin Anti-Biotin, made in goat SP-3040 • 0.5mg
Peroxidase Anti-Biotin, made in goat SP-3010 • 1mg
Peroxidase Streptavidin SA-5004 • 1mg
VECTASTAIN® ABC Kit (Standard) PK-6100 • 1 kit