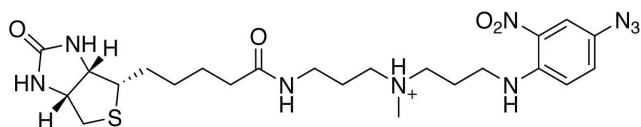


PHOTOPROBE® BIOTIN KIT

SKU: SP-1000-.5



Description

PHOTOPROBE Biotin Kit enables simple and rapid labeling of nucleic acids with biotin. Labeling is based on aryl azide chemistry that when exposed to defined heat or light, becomes activated and is incorporated into the nucleic acid. The labeling reaction is not base specific and labels are incorporated at multiple sites along the entire length of the nucleic acid that does not destroy the original nucleic acid or create a copy. The reaction is performed using either a halogen lamp, heating block or thermal cycler. Single or double stranded DNA, circular DNA, RNA, siRNA, or PNA can be labeled.

PHOTOPROBE Biotin Kit has an extra long spacer arm that increases distance between the sample and the biotin tag to avoid potential issues with subsequent detection or capture that can occur when using shorter spacer arms. This kit contains sufficient reagent to label up to 250 ug of nucleic acid which equates to about 50 reactions.

Kit Components

- PHOTOPROBE Biotin Reagent (0.5 mg)
- Tris Buffer
- Sec-butanol
- Precipitant
- Biotinylated DNA standard (2 µg/mL)

Specifications

Unit Size	1 Kit
Target for Labeling	DNA, RNA, PNA
Recommended Applications	Cellular localization of nucleic acid (e.g., plasmid DNA or siRNA)

For research use only. Not intended for animal or human therapeutic or diagnostic use.

Target/Group Incorporated Biotin
Storage Temperature 2-8 C

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