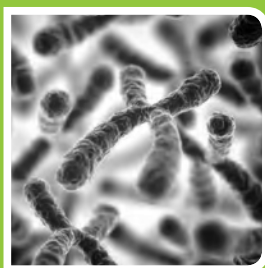


# Probes: Non-radioactive Labeling



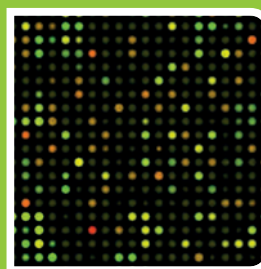
Historically, mainly radioisotope labels were used for biomolecule (e.g. DNA, RNA, protein) labeling however, in recent years **non-radioactive biomolecule labeling has become an attractive alternative over radioactive approaches**. This is due to significant improvements of the available detection methods (speed, sensitivity, and versatility) that make the **analytical performance of non-radioactive labels e.g. fluorescent dyes or haptens<sup>[1]</sup> comparable to that of their radioactive counterparts**. In addition, **non-radioactively labeled biomolecules are clearly superior in many practical aspects** such as enhanced stability, convenient handling and greatly improved safety profiles.

## DNA/cDNA Labeling



Fluorescent, Hapten<sup>[1]</sup>-, Click Chemistry- and Amine- modified Nucleotides & Labeling Kits for the enzymatic preparation of labeled DNA/cDNA probes

## RNA/cRNA Labeling



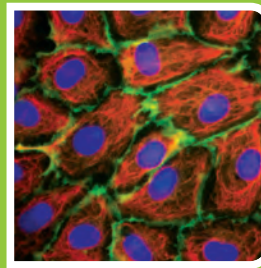
Fluorescent, Hapten<sup>[1]</sup>-, Click Chemistry- and Amine-modified Nucleotides & Labeling Kits for the enzymatic preparation of labeled RNA/cRNA probes

## Protein Labeling



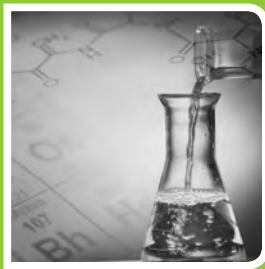
Novel & Classic Labeling Substances and Kits for Fluorescent, Hapten<sup>[1]</sup>- and Luminescent-labeling of various protein sources, both random and site-directed (N- and/or C-terminal)

## Cell Labeling



Fluorescent reporter and Protein & Nucleic Acid Internalization Kits

## Reactive Components



Reactive Fluorescent, Hapten<sup>[1]</sup>-modified, Luminescent and bifunctional reagents for labeling and crosslinking of biomolecules such as DNA, RNA and proteins

## More Information



[www.jenabioscience.com/probes](http://www.jenabioscience.com/probes)

<sup>[1]</sup> Haptens = Biotin, Digoxigenin, Dinitrophenol