

DOMINIQUE DUTSCHER SAS

CyDye™ Mono-Reactive Dye Packs

CyDye Fluorescent Dyes carry only one reactive group on each dye molecule for accurate labeling of amine functional groups, for example on antibodies or oligonucleotides.

Overview

CyDye Fluorescent Dyes carry only one reactive group on each dye molecule for accurate labeling of amine functional groups, for example on antibodies or oligonucleotides.

- Conveniently label antibodies, proteins, drugs, and oligonucleotides with CyDye Fluorescent Dyes
- For use in ELISA, immunoprecipitation, and blotting applications
- Narrow excitation and emission bands result in discrete signals from each fluorophore
- Minimal cross-talk provides high accuracy and enables multiplexing
- CyDye Fluorescent Dyes readily dissolve in aqueous buffers
- High purity dyes are packaged in premixed amounts and foil-sealed to ensure consistent labeling

Each kit contains five vials of dye. Each vial is sufficient for labeling 1 mg of protein or 30 nmol of amino groups.

Product specifications

Amersham Cy3 Mono-Reactive Dye Pack

Catalog code	PA23001
Absorbance	Max. 550 nm
Application	For the labelling of biological compounds with Cy3 monofunctional dye
Color	Red
Components	Five foil packs each containing dried dye to label 1 mg of protein.
Estimated shelf life from manufacture date	See outer packaging
Lifetime	<0.3 ns
Molar Extinction Coefficient	150000 M^{-1} cm^{-1}
Molecular Weight (Mr)	765.95
Quantum Yield	>0.15
Storage conditions	2 - 8°C, protected from light
Reagent type	Fluorescent Labeling Reagents

Amersham Cy5 Mono-Reactive Dye Pack

Catalog code	PA25001
Absorbance	Max. 649 nm
Application	For the labelling of biological compounds with Cy5 monofunctional dye
Color	Blue
Components	Five foil packs each containing dried dye to label 1 mg of protein.
Estimated shelf life from manufacture date	See outer packaging
Lifetime	1 ns
Molar Extinction Coefficient	250000 M^{-1} cm^{-1}
Molecular Weight (Mr)	791.99
Quantum Yield	>0.28
Storage conditions	2 - 8°C, protected from light
Reagent type	Fluorescent Labeling Reagents

Cy5.5 Mono-Reactive Dye Pack

Catalog code	PA25501
Absorbance	Max. 675 nm
Application	For the labelling of biological compounds with Cy5.5 monofunctional dye
Color	Blue

DOMINIQUE DUTSCHER SAS

Components	Five foil packs each containing dried dye to label 1 mg of protein.
Estimated shelf life from manufacture date	See outer packaging
Lifetime	1.0 ns
Molar Extinction Coefficient	250000 M^{-1} cm^{-1}
Molecular Weight (Mr)	1128.41
Quantum Yield	>0.28
Storage conditions	2 - 8°C, protected from light
Reagent type	Fluorescent Labeling Reagents

DOMINIQUE DUTSCHER SAS