

Amersham CyDye™ Value Packs (Mono-Reactive Hydrazide)

Amersham CyDye Value Packs are fluorescent dyes for the labeling of free carbonyl groups of glycoproteins and carbohydrates, and are available in a range of sizes.

Overview

Amersham CyDye Value Packs are fluorescent dyes for the labeling of free carbonyl groups of glycoproteins and carbohydrates, and are available in a range of sizes.

- To label free carbonyl groups of glycoproteins and carbohydrates
- Includes Cy3, Cy5, and Cy5.5 fluorescent dyes
- Narrow excitation and emission bands result in discrete signals from each fluor
- Minimal crosstalk provides high accuracy and enables multiplexing
- Bulk packs available for maximum economy
- Example protocols included with each dye pack

Hydrazide esters provide a convenient method for labeling free carbonyl groups of glycoproteins and carbohydrates. Stable active hydrazide esters are supplied and stored as solid material for maximum convenience. High purity fluorescent dyes readily dissolve in aqueous buffers.

Product specifications

Amersham Cy3 Hydrazide

Catalog code	PA13121
Absorbance	Max. 550 nm
Application	For labelling via carbonyl groups. For use in steady state fluorescence, FP and FRET applications
Color	Red
Components	Foil packs, each containing 1, 5 or 25 mg dried dye.
Estimated shelf life from manufacture date	2 weeks
Labelling Chemistries	Carbonyl groups
Lifetime	<0.3 ns
Molar Extinction Coefficient	150000 $M^{-1}cm^{-1}$
Molecular Weight (Mr)	765.95
Quantum Yield	>0.15
Solubility	Soluble in cold water and hot water
Storage conditions	2 - 8°C, protected from light. Reconstituted material may be stored for up to 2 weeks at -20°C in aliquots to avoid repeat freeze thaw ycles.
Reagent type	Fluorescent Labeling Reagents

Amersham Cy5 Hydrazide

Catalog code	PA15121
Absorbance	Max. 649 nm
Application	For labelling via carbonyl groups. For use in steady state fluorescence, FP and FRET applications
Color	Blue
Components	Foil packs, each containing 1, 5 or 25 mg dried dye.
Estimated shelf life from manufacture date	2 weeks
Labelling Chemistries	Carbonyl groups
Lifetime	1.0 ns
Molar Extinction Coefficient	250000 $M^{-1}cm^{-1}$
Molecular Weight (Mr)	791.99
Quantum Yield	>0.28
Solubility	Soluble in cold water and hot water
Storage conditions	2 - 8°C, protected from light. Reconstituted material may be stored for up to 2 weeks at -20°C in aliquots to avoid repeat freeze thaw ycles.

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Reagent type	Fluorescent Labeling Reagents

Cy5.5 Hydrazide

Catalog code	PA15621
Absorbance	Max. 675 nm
Application	For labelling via carbonyl groups. For use in steady state fluorescence, FP and FRET applications
Color	Blue (dark)
Components	Foil packs, each containing 1, 5 or 25 mg dried dye.
Estimated shelf life from manufacture date	2 weeks
Labelling Chemistries	Carbonyl groups
Lifetime	1.0 ns
Molar Extinction Coefficient	250000 $M^{-1}cm^{-1}$
Molecular Weight (Mr)	1128.42
Quantum Yield	>0.28
Solubility	Soluble in cold water and hot water
Storage conditions	2 - 8°C, protected from light. Reconstituted material may be stored for up to 2 weeks at -20°C in aliquots to avoid repeat freeze thaw ycles.
Reagent type	Fluorescent Labeling Reagents

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