FT-46641A

5-(and-6)-Carboxyfluorescein

Product Information

Name :	**5-(and-6)-Carboxyfluorescein (FAM)**
Catalog Number :	FP-46641A, 100 mg
	FP-466419, 1 g
	FP-46641C, 5 g
	FP-46641D, 10 g
Structure :	$C_{21}H_{12}N_7$
Molecular Weight :	376
Solubility:	pH>6.5 in water
Absorption / Emission :	$\lambda_{exc}\backslash\lambda_{em}$ = 492 / 517 nm
pK_a :	6.5
EC (M^{-1} cm^{-1}) **:**	82 000

Name :	**5-Carboxyfluorescein (5-FAM), single isomer**
Catalog Number :	FP-344260, 100 mg
Structure :	$C_{21}H_{12}N_7$
Molecular Weight :	376,32
Solubility:	pH>6.5 in water, DMF
Absorption / Emission :	$\lambda_{exc}\backslash\lambda_{em}$ = 492 / 518 nm
EC (M^{-1} cm^{-1}) **:**	79 000

Storage: +4°C (or –20°C for long term) (K) Protect from light and moisture

Introduction

FAM (carboxyfluorescein derivatives) reagents give with amines carboxamides that are more resistant to hydrolysis than the widely used FITC. It requires less stringent reaction conditions, gives better conjugation yields, and the resulting conjugates have superior stability.

Directions for use

Handling and Storage

FAM should be dissolved in water at pH>6.5. The buffering strength of the buffer has to be sufficient so that the pH stays the same after the dye is dissolved.

Protocol may found in the literature.

References

- **MartinezJE**, *et al.*, « A Flow Cytometric Opsonophagocytic Assay for Measurement of Functional Antibodies Elicited after Vaccination with the 23-Valent Pneumococcal Polysaccharide Vaccine », *Clin. Diagn. Lab. Immunol.*, **6**, 581 (1999) Article

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Ordering information

Catalog size quantities and prices may be found at http://www.fluoprobes.com
Please inquire for higher quantities (availability, shipment conditions).

For any information, please ask : FluoProbes® / Interchim; Hotline : +33(0)4 70 03 73 06

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