

Product Information

CF® Dye Tetrazine

Product List

Catalog no.	Dye	Ex/Em (nm)	Extinction coefficient	MW (free acid form)
96054	CF@488A	490/516	70,000	~914
96055	CF@568	562/584	100,000	~714
96056	CF@647	652/668	240,000	~1058
96096	CF@660C	667/685	200,000	~3112
96097	CF@680	681/698	210,000	~3241

Unit Size: 1 mg

Storage and Handling

Store at -20°C, protected from light. Product is stable for at least 12 months from date of receipt when stored as recommended.

Stock solutions may be prepared in anhydrous DMSO. Solutions can be aliquoted and stored protected from light at -20°C, for up to 12 months.

Product Description

Tetrazine CF® Dyes react with cyclooctene (TCO, methylcyclopropene) labeled molecules via copper-free click chemistry. These copper-free bioorthogonal reactions are useful for labeling fixed cells or when there are concerns about native protein function loss with copper in cell extracts. CF® Dyes have combined advantages in brightness, photostability, and water-solubility compared to other dyes such as Alexa Fluor®, DyLight®, Cy® Dyes, or IRDyes®.

Biotium carries several other reagents suitable for bioorthogonal labeling and click chemistry including CF® Dye Methyltetrazines which have improved chemical stability and slower reaction kinetics over CF® Dye Tetrazine (see Related Products).

Related Products

Catalog number	Product
22004	Ultrafiltration Vial, 10K MWCO (5 per pack)
22018	Ultrafiltration Vial, 3K MWCO (5 per pack)
90082	DMSO, Anhydrous
96028-96037	CF® Dye Methyltetrazine
92075...96070	CF® Dye BCN
96040...96051	CF® Dye TCO
92080...96000	CF® Dye Azide
92187...96007	CF® Dye Picolyl Azide
92086...96006	CF® Dye Alkyne
22013	Bovine Serum Albumin, Fraction V
22014	Bovine Serum Albumin, 30% Solution
22023	Paraformaldehyde, 4% in PBS, Ready-to-Use Fixative
22030	AntiFix™ Universal Antigen Retrieval Buffer, 10X
22010	10X Fish Gelatin Blocking Agent
23002	EverBrite™ Mounting Medium with DAPI
23004	EverBrite™ Hardset with DAPI
23016	EverBrite™ Hardset Mounting Medium with NucSpot® 640
40060	RedDot™1 Far-Red Nuclear Stain
40061	RedDot™2 Far-Red Nuclear Stain
40083	NucSpot® 470 Nuclear Stain
40081-40082	NucSpot® Live Nuclear Stains
41024-4L	Water, Ultrapure Molecular Biology Grade

Please visit www.biotium.com to view our full selection of products including CF® reactive dyes, labeling kits, labeled antibodies, and other conjugates.

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