

Product Specifications

Custom Oligo Synthesis, antisense oligos, RNA oligos, chimeric oligos, Fluorescent dyes, Affinity Ligands, Spacers & Linkers, Duplex Stabilizers, Minor bases, labeled oligos, Molecular Beacons, siRNA, phosphonates Locked Nucleic Acids (LNA); 2′-5′ linked Oligos

Oligo Modifications

For research use only. Not for use in diagnostic procedures for clinical purposes.

CAL Fluor Red 590

Category	Fluorescent Dyes
Modification Code	CAL590
Reference Catalog Number	26-6710
5 Prime	Y
3 Prime	N
Internal	N
Molecular Weight(mw)	588.65

Click here for a list of fluorophores.

CAL Fluor Red 590 is a fluorescent dye manufactured by Biosearch Technologies, it fluoresces in the yellow-orange region of the visible spectrum. CAL Fluor Red 590 is used for the 5' labeling of fluorogenic probes used in 5' nuclease assays, Molecular Beacons, Scorpion primers, Amplifluor primers, and other genomic assays.
CAL Fluor Red 590 is an alternative dye for TAMRA and is quenched by BHQ-2 dye.
Applied Biosystems Proprietary Dyes & Possible Substitutions

Dye

Color

Absorbance max (nm)

Emission max (nm) VIC Pink Red 538 554 Cal Orange 560 Pink Red 537 558 HEX Pink Red 535 556 NED Red Orange 546 575 Cy3 Red Orange 550 570 PET Red Orange 558 595 Cy3.5 Red 588 604 ROX Red 575 602 CAL Fluor Red 590 Red 569 591 Texas Red Red 583 603