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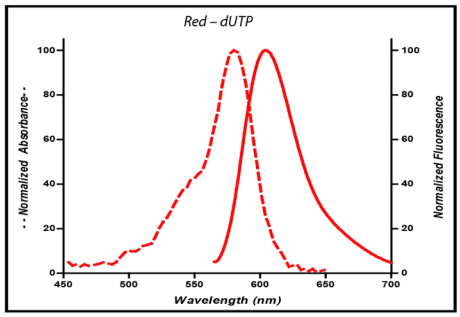
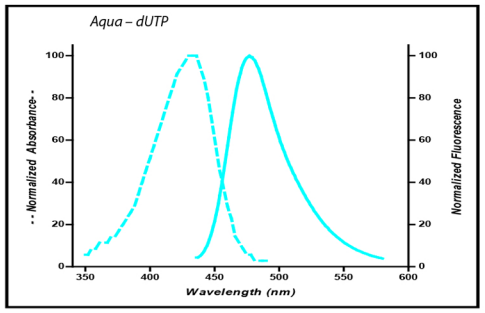
Dye Specification Sheet

BAC DNA Library	RP11®, RP23®				
Cot-1 DNA	15 μg (3 μg/reaction)				
Diluent	1x Hyb Buffer				
Label	Red-dUTP	Green-dUTP	Orange-dUTP	Gold-dUTP	Aqua-dUTP
Fluorophore	5-ROX (5-Carboxyl-x-rhodamine)	5-Fluorescein	5-TAMRA	Carboxyrhodamine 6G	Aqua
Color	Red	Green	Orange	Gold	Aqua
Absorbance Maximum	580 nm	491 nm	548 nm	525 nm	418 nm
Emission Maximum	599 nm	515 nm	573 nm	551 nm	467 nm





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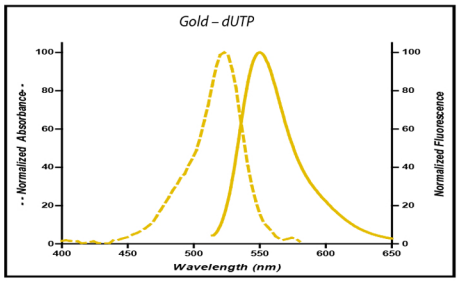

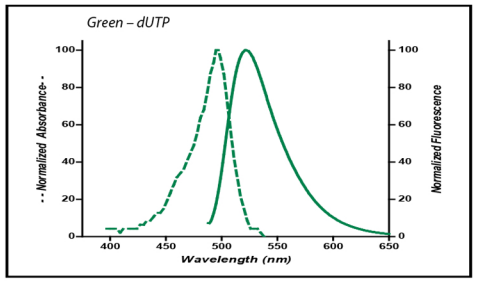

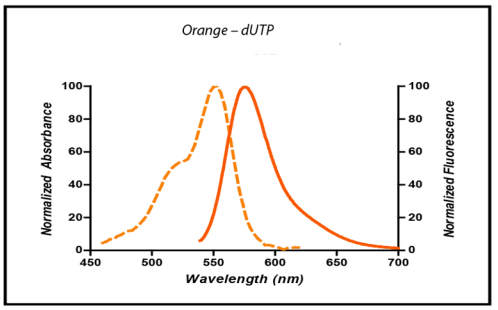

* Please Note: The human eye visualizes the Aqua wavelength more poorly than other regions of the visible light spectrum (as above). Consequently, when choosing to use an aqua probe, it is best to use it with a target that hybridizes strongly. For example, in our own experiences we have had better success with centromere probes compared to locus probes. Our Aqua probes have been benchmarked against the leading competitors and we are as bright as or brighter than they are. This material has passed our Quality Control processes and meets performance benchmarks. We offer a variety of colors for FISH probe labeling and if you want a probe with a stronger signal we would suggest you consider using green, gold, orange or red ones. We cannot guarantee the performance you will experience with the aqua dye as a results of the many variables which can affect its performance

For Research Use Only

This product is sold by Empire Genomics LLC for research purposes only and is not intended for diagnostic or therapeutic use.