

5-FAM-dUTP, 1 mM in TE buffer

Catalog Number	Packaging Size
C405	25 μ L

Storage upon receipt: -20°C , protect from light.

I. Product Description

5-FAM-dUTP is supplied as 1 mM solution in TE buffer. The nucleotide is designed for enzymatic non-radioactive labeling of DNA by PCR, nick-translation, cDNA synthesis, random primed labeling, or primer extension. 5-FAM-dUTP can be enzymatically incorporated into DNA with Reverse Transcriptases, *Taq* DNA Polymerase, phi29 DNA Polymerase, Klenow Fragment, *exo-*, Klenow Fragment, and DNA Polymerase I.

II. Specifications

Excitation/Emission (nm): 495/518 nm

Concentration: 1 mM solution in TE buffer

Storage: Store at -20°C

Molecular Formula: $\text{C}_{33}\text{H}_{27}\text{N}_3\text{Na}_3\text{O}_{20}\text{P}_3$

Molecular Weight: 947.47

III. General Characteristics

$\lambda_{\text{max}}=495 \text{ nm}$, $\epsilon=70.0 \times 10^3 \text{ M}^{-1}\text{cm}^{-1}$ (pH 8.0).

