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Introduction

5-FAM-X-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-X-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. The X linker between FAM and dUTP can improve the incorporation efficiency.

Package Information

Component	M0078
5-FAM-X-UTP	25 µl

Storage

Store at -20°C and protect from light.

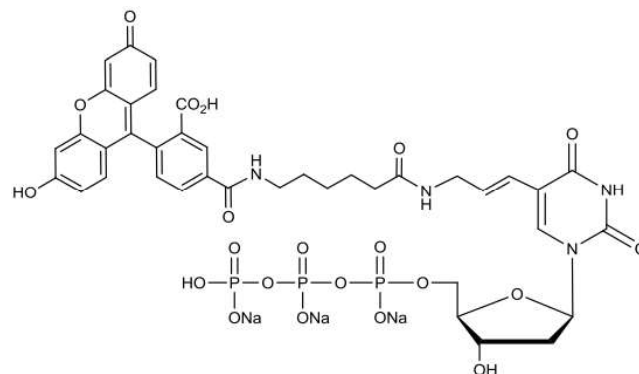
Specifications

Excitation/Emission (nm): 495/518 nm
Concentration: 1 mM solution in TE buffer
Molecular Formula: C₃₉H₃₈N₄Na₃O₂₁P₃
Molecular Weight: 1060.62

5-FAM-X-UTP

Cat. #: M0078 Size: 25 µl

General Characteristics



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