

Introduction

LiFluor™ 647-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. LiFluor™ 647-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 LiFluor™ 647 and dUTP can improve the incorporation efficiency.

Package Information

Component	M0087
LiFluor™ 647-X-dUTP	25 µl

Storage

Store at -20°C and protect from light.

Specifications

Excitation/Emission (nm): 650/665 nm

Concentration: 1 mM solution in TE buffer

General Characteristics

$\lambda_{\max}=650 \text{ nm}, \epsilon=250.0 \times 10^3 \text{ M}^{-1}\text{cm}^{-1}$