Codex™ 488-X-dUTP, 1 mM in TE buffer

（Cat #: N128）

Introduction:

Codex™ 488-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. Codex™ 488-X-dUTP can be enzymatically incorporated into DNA with Reverse Transcriptase, Taq DNA Polymerase, phi29 DNA Polymerase, Klenow Fragment, exo-, Klenow Fragment and DNA Polymerase I. The X linker between Codex™ 488 and dUTP can improve the incorporation efficiency.

Applications:

Enzymatic non-radioactive labeling of DNA during cDNA synthesis, PCR, nick-translation, random primed labeling, or primer extension.

Table 1: Product Package & Storage

Cat #	Product Name	Volume	Storage
N128	**Codex™ 488--X-dUTP, 1 mM in TE buffer**	**25 µL**	**Store upon receipt: -20 °C, protect from light.**

Specification:

Excitation/Emission (nm): 500/525 nm
Concentration: 1 mM in TE buffer
Storage: Store at -20°C

General Characteristics

λMax=500 nm, ε=70.0×10^3 M^{-1} CM^{-1} (pH 8.0).