



## Product Insert

### 100mM dUTP

Research Use Only

**Product:**

Deoxyuridine 5' Triphosphate

**Catalogue No. :**

BIO-39035 1 x 250µl

**Description:**

A 100mM solution at pH 7.0 containing 25µmol (250µl) of dUTP.

**Purity:**

Bioline dNTP's are >99% pure by HPLC and are free of DNase, RNase, Protease, phosphatase and nicking activity.

**Storage and stability:**

Store dUTP solutions at -20°C or -70°C, in a constant temperature freezer for 12 months. Avoid multiple freezing/thawing. For long-term usage, aliquoting is recommended.

**Batch details:**

Pack Size: 25 µmol  
Concentration: 100 mM  
Presentation: 1 x 250µl  
Batch No: See vial

**Typical Analysis:**

Lithium salt, >99% deoxyuridine triphosphate (HPLC, area %), <1% deoxynucleoside monophosphates and deoxynucleoside diphosphates .

**dUTP Characteristics:**

Molecular Weight	Molar Extinction
468.2	1µmol = 10.0 A <sub>262</sub> units

**Application:**

For PCR, direct use in DNA sequencing, labelling and *in vitro* DNA synthesis. Note that as dUTP is less efficiently incorporated than other deoxynucleotides, it is recommended to use twice the concentration. For example, in a typical PCR reaction, 200 µM dA, dC and dGTP and 400 µM dUTP would be used.

Note: The PCR process is covered by patents issued and applicable in certain countries..

**This product contains a declaration of analysis at the time of manufacture**