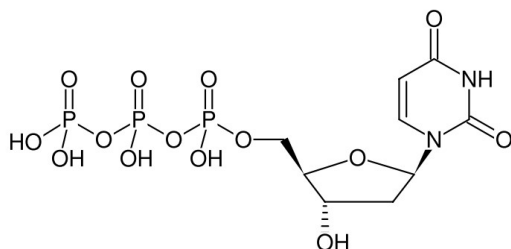


Data Sheet (26.11.2020)

dUTP - Solution

2'-Deoxy-uridine-5'-triphosphate, Sodium salt

Structure:



Catalogue-No.:

mi-N1008L

Molecular Formula:

C₉H₁₅N₂O₁₄P₃ (free acid)

Molecular Weight:

468.14 g/mol (free acid)

Purity (dUTP):

≥ 99 % (HPLC)

Concentration:

100-110mM

pH:

8.5 ± 0.2 (22 °C)

Form:

clear aqueous solution

Package sizes:

Cat.-No.	Amount
mi-N1008L	100 µmol / 1000 µl

Storage conditions: - 20 ± 5°C

Short term exposure (up to 1 week cumulative) to ambient temperature possible.

Shelf Life: 12 months

For research use only! Only for in vitro use!

Selected references:

Tóth *et al.* (2007) Kinetic Mechanism of Human dUTPase, an Essential Nucleotide Pyrophosphatase Enzyme. *J. Biol. Chem.* **282** (46):33572.

Erlich *et al.* (1988) Primer-directed enzymatic amplification of DNA with a thermostable DNA polymerase. *Science* **29** (239):487.

Holland *et al.* (1991) Detection of specific polymerase chain reaction product by utilizing the 5'—3' exonuclease activity of *Thermus aquaticus* DNA polymerase. *Proc. Natl. Acad. Sci. USA* **88** (16):7276.

Sanger *et al.* (1977) DNA sequencing with chain-terminating inhibitors. *Proc. Natl. Acad. Sci. USA* **74**:5463.