

## Product components

| Components    | Component number | Size-1      | Size-2 |
|---------------|------------------|-------------|--------|
|               |                  | 100 $\mu$ L | 1 mL   |
| dUTP (100 mM) | RM20994          | 100 $\mu$ L | 1 mL   |

## Product Description

Deoxyuridine triphosphate (dUTP) is a deoxynucleotide triphosphate (dNTP) that is chemically similar to uridine triphosphate (UTP) except that it has a deoxyribose sugar instead of a ribose sugar. It can be used in PCR, RT, qPCR, RT-qPCR, NGS and other molecular biology experiments. The concentration of this product is 100 mM, diluted with ultrapure water as a sodium salt at pH 7.5.

## Product Name

2'-Deoxyuridine-5'-triphosphate, sodium salt solution

**Molecular Formula:**  $C_9H_{12}N_2Na_3O_{14}P_3$

**Molecular Weight:** 534.09

**CAS No:** 102814-08-4

**Concentration:** 100 mM+3%

**Purity (HPLC) :**  $\geq 99.0\%$

**pH:** 7.5 $\pm$ 0.2

**$\lambda_{max}$ :** 262nm $\pm$ 2nm

**Properties:** Colorless transparent solution

## Abs (pH 7.5)

A250/A260=0.70-0.76; A280/A260=0.35-0.40

## Storage

-20°C

## Note:

Can be diluted using sterile distilled water, preferably Milli-Q® water, or sterile TE (10mM Tris-HCl, 1mM EDTA , pH 7.5).

## QC Process

Purity is above 99% detected by HPLC.

Free of detectable DNA exonuclease and endonuclease.

No residual host genomic DNA detected by PCR.

Free of RNase activity.