



Genaxxon BioScience

dUTP data sheet

2'- Deoxyuridine Triphosphate (sodium salt)

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Description:

dUTP (2'-Deoxyuridine-5'-Triphosphate sodium salt), 100 mM solution in water, pH7.5.

Usage:

dUTP may be used in place of dTTP in PCR and RT-PCR protocols to prevent carryover from previous amplifications.

The substitution of dTTP by dUTP in PCR experiments results in uracil-containing PCR products that are suitable for most standard applications. The enzyme uracil-DNA-glycosylase (UDG), can be added to a PCR premix to excise uracil from any contaminating PCR product, thereby preventing false positive PCR results.

Specifications:

C₉H₁₅N₂O₁₄P₃ (free acid)

MW = 468,0 g/mole

Purity:

96% (HPLC)

Performance in PCR:

Each lot of dUTP is tested in PCR reactions for specific DNA amplification

Caution

dNTPs are stable at -20°C in a constant-temperature freezer. Avoid multiple thawing/freezing. For long term usage we recommend to aliquote nucleotides.

Related Products:

Genaxxon offers a complete range of nucleoside-5'-triphosphates in highly purified form in different convenient ready-to-use solutions. The dNTP-sets and mixes are ready-to-use for DNA-polymerisation reactions, all DNA labelling- and sequencing reactions.

Cat #	Description
M3015.4020	Set of 4x20 umol dA, dC, dG, dT solution, 100 mM Na-salt in 200 µl H ₂ O.
M3015.4100	Set of 4x100 umol dA, dC, dG, dT solution, 100 mM Na-salt in 1 ml H ₂ O.
M3015.4500	Set of 4x500 umol dA, dC, dG, dT solution, 100 mM Na-salt in 5 x 1 ml H ₂ O.
M3016.4010	Mix of 4x10 umol dA, dC, dG, dT solution, 10 mM Na-salt in 200 µl H ₂ O.
M3016.4050	Mix of 4x50 umol dA, dC, dG, dT solution, 10 mM Na-salt in 1 ml H ₂ O.