

100 mM dUTP

LOT: See product label

EXPIRY DATE: See product label

ORDERING INFORMATION

CAT. NO.	SIZE	PACKAGE CONTENT
BR0601201	750 µl	750 µl 100 mM dUTP
BR0601202	3 ml	4 × 750 µl 100 mM dUTP

COMPONENT COMPOSITION

100 mM dUTP Aqueous solution (pH 7.0) of 100 mM 2'-deoxyuridine 5'-triphosphate sodium salt

STORAGE -20°C (until expiry date – see product label)

FEATURES

- Exceptional quality dUTP of >99% purity confirmed by HPLC
- Free from DNA and PCR inhibitors
- Consistent PCR results due to outstanding dUTP

APPLICATIONS

- Prevention of carry-over contamination
- Standard or hot-start PCR
- cDNA synthesis and RT-PCR
- qPCR

100 mM dUTP

DESCRIPTION

biotechrabbit™ deoxynucleotide triphosphates are first-choice nucleotides for all PCR applications, including the most demanding, such as amplification of long targets, qPCR and cDNA synthesis, high-fidelity PCR, DNA labeling and sequencing.

Using dUTP in nucleotide mixes for PCR and qPCR together with UDG/UNG can efficiently prevent carry-over contamination from previous amplification.

Advanced production technology ensures that deoxyribonucleotide triphosphates have >99% purity and outstanding stability, ensuring excellent performance and consistent, reliable results.

For the maximum flexibility, nucleotides are available in sets and mixes of common concentrations.

DEOXYRIBONUCLEOTIDE TRIPHOSPHATE	CHEMICAL FORMULA AND MOLECULAR WEIGHT	STRUCTURAL FORMULA
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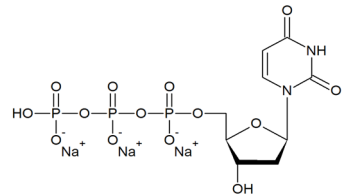
dUTP

2'-deoxyuridine 5'-
triphosphate

C₉H₁₂N₂O₁₄P₃Na₃

MW 534.1

(acid form 468.1)



100 mM dUTP

CERTIFICATE OF ANALYSIS

Quality Control

Functional assay

Functionality tested in PCR.

Purity test

The concentration of each lot is verified by optical density spectrometry. The purity of nucleotide triphosphates is determined by HPLC. The minimum passing specification for the triphosphate content is 99%.

Contamination test

The absence of human and *E. coli* DNA is confirmed by qPCR.

Quality confirmed by: Head of Quality Control

SAFETY INSTRUCTIONS

For safety instructions please see Safety Data Sheets (SDS)/Sicherheitshinweise finden Sie in den SDS unter:

<http://www.biotechrabbit.com/support/documentation.html>.

USEFUL HINTS

- Visit Applications at www.biotechrabbit.com for more products and product selection guides.
- Most biotechrabbit products are available in custom formulations and bulk amounts.

CONTACT BIOTECHRABBIT

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Legal Disclaimer and Product Use Limitation

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