



Product Insert

ACGU + T Mix

Research Use Only

Product:

ACGU + T Mix

Description:

ACGU + T Mix is an ultra-pure dNTP mix containing dATP, dCTP, dGTP, dUTP and dTTP in lithium salts, which is commonly used in Real-Time PCR to prevent carry-over contamination of amplified products into subsequent reactions.

The use of ACGU + T Mix enables users to employ the efficient strategy of incorporating dUTP into newly amplified DNA. By doing so, dUTP replaces dTTP in amplified products. Before a subsequent DNA amplification is commenced, treatment with Uracil DNA Glycosylase (UNG, Cat. No. BIO-27044) will result in the selective cleavage of the Uracil base in the dUTP-containing DNA, therefore preventing carry-over contaminations.

Bioline dNTPs are presented in Lithium salts, which minimises the possibility of bacterial contamination and generally improves dNTP stability.

Catalogue No.:

BIO-39045 1 x 500µl

Presentation / Batch details:

Pack size: 20 µmol
Concentration:
 dA, dC, dG: 10 mM each
 dT: 7 mM
 dU: 3 mM
Total volume: 500 µl
Batch No: See vial

Purity / Quality control:

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

Lithium salts, >99% dNTPs (HPLC, area %), <1% deoxynucleoside monophosphates and deoxynucleoside diphosphates.

Storage conditions:

ACGU + T Mix can be stored at -20°C in a constant-temperature freezer for 12 months. Avoid multiple freeze-thawing. For long term storage aliquoting is recommended.

Associated products

Product Name	Pack Size	Cat No
Uracil DNA Glycosylase (UNG)	500 units	BIO-27044
dNTP Mix	100mM total 40mM total	1 x 500 µl 1 x 500 µl
dNTP Set	4 x 25µmol	BIO-39025
Hyper Ladder I	200 lanes 500 lanes	BIO-33025 BIO-33026
Agarose	500g	BIO-41025

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