

Uracil DNA Glycosylase (UDG)

Cat. No.: EN19
Version: 1.2020

CERTIFICATE OF ANALYSIS

#EN19	Uracil DNA Glycosylase (UDG)
Concentration:	1 U/ μ l
Components:	UDG L. HAE825775 10x UDG Reaction Buffer L. HAB825775
Unit definition:	One unit is defined as the amount of enzyme that catalyzes the release of 60 pmol of uracil per minute from uracil-containing dsDNA. Activity is measured by release of [³ H]-uracil in a 50 μ l reaction containing 0.2 μ g DNA in 30 minutes at 37°C.
Batch Number:	HAZ825775
Expiry Date:	05.2021
Store at:	-20°C
Supplied in:	20 mM Tris-Cl, pH 8.0, 0.1 M NaCl, 0.1 mM EDTA , 1 mM DTT, 0.1% stabilizer and 50% glycerol
Description:	<i>E. coli</i> Uracil DNA Glycosylase (UDG) catalyzes the hydrolysis of the N-glycosylic bond between uracil and sugar, leaving an apyrimidinic site in uracil-containing single-stranded or double-stranded DNA. The enzyme shows no activity on RNA or oligonucleotides.

QUALITY CONTROL

UDG is tested for degradation of PCR product containing dUTPs. The product is free of unspecific DNA nucleases.

Quality authorized by: Justyna Leibner-Ciszak

Date: 27.02.2020

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PRODUCT USE LIMITATION

This product of Blirt S.A. has been developed for research purposes only and it is not suitable for human and animal therapeutic or diagnostic use.

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