



The ENZYME Company

DATA SHEET
Uracil-DNA Glycosylase (UDG)

Description *E. coli* uracil-DNA glycosylase (UDG) catalyzes the release of free uracil from uracil-containing DNA. UDG efficiently hydrolyzes uracil from single-stranded or double-stranded DNA, but not from oligomers (6 or less bases)

Concentration 10000-40000 units/ml

Storage buffer 20 mM Tris-HCl, pH 8.0, 50 mM NaCl, 0.1 mM EDTA, 50% glycerol

Unit definition One unit of activity is the amount of enzyme required to release of 60pmol of uracil per minute from double-stranded, uracil-containing DNA.

Reaction buffer (x1) 20mM TrisHCl pH8,0, 1mM EDTA,

Storage conditions -20°C

Source: *Escherichia coli* (E.coli)

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