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DATA QUALITY SHEET

E. coli uracil-DNA glycosylase

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

Concentration 10000 units/ml

Storage buffer 20 mM Tris-HCl, pH 8.0, 50 mM NaCl, 1 mM EDTA, 1 mM DTT, 0,1 mg/ml BSA, 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 (10x) 200 mM TrisHCl pH8,0, 10 mM EDTA, 100 mM NaCl

Storage condition: -20oC

Source: Escherichia coli (E.coli)