

## Uracil DNA Glycosylase

Suitable for Research and further Manufacturing Use as an IVD component

Catalog No:	BIO-27044
Lot No:	ME382-B086850
Shipping / Storage Conditions:	-20°C
Component Lot No:	UNG-920108A
Expiry date:	September 2022

### Quality Control Parameters

Enzyme that efficiently hydrolyzes uracil from ssDNA or dsDNA. Endonuclease, exonuclease, nickase and RNase-free

Analysis	Specification	Result
Functional	dUTP PCR products are degraded on the addition of UDCase in the presence of 10x UDCase reaction buffer. Single distinct bands were observed with agarose gel electrophoresis (ethidium stained).	Passed
DNA contamination	Quantitative PCR analysis with no template. Presence of <i>E. coli</i> and mouse genomic DNA checked. Test sample must amplify in line with a reference sample.	Passed
DNase contamination	Incubation of a 1Kb double stranded DNA fragment. Incubation for 4 hours at 37°C with dilution series of DNase I. Analysed by agarose gel electrophoresis. Test sample must show less degradation than the limit of detection $2.5 \times 10^{-3}$ U DNase.	Passed

Authorised by Christopher Weatherall



# 10x UDGase Reaction Buffer

For Research Use Only

Catalog No:	BIO-27044
Lot No:	ME382-B086850
Shipping / Storage Conditions:	-20°C
Component Lot No:	UNGB-820108A
Expiry date:	September 2022

## Quality Control Parameters

Analysis	Specification	Result
Functional	dUTP PCR products are degraded on the addition of UDGase in the presence of 10x UDGase reaction buffer. Single distinct bands were observed with agarose gel electrophoresis (ethidium stained).	Passed
DNA contamination	Quantitative PCR analysis with no template. Presence of <i>E. coli</i> and mouse genomic DNA checked. Test sample must amplify in line with a reference sample.	Passed
DNase contamination	Incubation of a 1Kb double stranded DNA fragment. Incubation for 4 hours at 37°C with dilution series of DNase I. Analysed by agarose gel electrophoresis. Test sample must show less degradation than the limit of detection $2.5 \times 10^{-3}$ U DNase.	Passed

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