

Glycerol-Free DNA Helicase (HC)
50 ng/μL

Cat No.: MDX241

Storage Conditions: -20 °C

Lot number: RD125C

Test Parameters

Analysis	Specification	Result
Protein Concentration	Protein concentration is measured spectrophotometrically against known protein standards. <u>Pass Criteria:</u> Concentration must be within ± 20% of 50 ng/μL	56.4 ng/μl
Protein Purity	Determined by gel electrophoresis. <u>Pass Criteria:</u> Purity must be ≥ 90%	Passed
Enzymatic activity	Activity is measured in a DNA unwinding assay against a reference of known enzyme concentration. <u>Pass Criteria:</u> The reaction rate of Test and History should be within ± 20%.	Passed

Authorised by William Ferreira
Team Leader R&D



Glycerol-Free MutL (HC)
200 ng/μL

Cat No.: MDX241

Storage Conditions: -20 °C

Lot number: RD125D

Test Parameters

Analysis	Specification	Result
Protein Concentration	Protein concentration is measured spectrophotometrically against known protein standards. <u>Pass Criteria:</u> Concentration must be within ± 20% of 200 ng/μL	225 ng/μl
Protein Purity	Determined by gel electrophoresis. <u>Pass Criteria:</u> Purity must be ≥ 90%	Passed
Enzymatic activity	Activity is measured in a DNA unwinding assay against a reference of known protein concentration. <u>Pass Criteria:</u> The reaction rate of Test and History should be within ± 20%.	Passed

Authorised by William Ferreira
Team Leader R&D



	Test Release Document	Released: Michele Amasio
		Version: 01

Lyo-Ready DNA Helicase Reaction Buffer, 5x	Cat. No.	MDX241
	Storage Conditions:	-20 °C
	Lot number:	RD125D

Test Parameters

Analysis	Specification	Result
Functionality	Activity is measured in a DNA unwinding assay using fixed enzyme and substrate concentrations. <u>Pass criteria:</u> The reaction rate of DNA Helicase using test and history buffer should be within $\pm 10\%$.	Passed

Authorised by William Ferreira
Team Leader R&D

