meridian BIOSCIENCE™ LIFE DISCOVERED. LIFE DIAGNOSED.	Certificate of Analysis	COA No: CA_XBH-0004
		Version: 07

HyperLadder™ 100bp For research or further manufacturing use only		
	Catalog No:	BIO-33030
	Lot No:	MW432-B113270
	Storage Conditions:	-20˚C
	Component Lot No:	H4-022112A
	Expiry date:	January 2025

Quality Control Parameters

Certified Values:

Number of Bases	Method of Testing	Specification	Method of Testing	Results
100 bp	Sequencing	40 ng/band ± 10%	UV absorption spectrum Visual comparison test vs history	Passed
200 bp	Sequencing	20 ng/band ± 10%	UV absorption spectrum Visual comparison test vs history	Passed
300 bp	Sequencing	30 ng/band ± 10%	UV absorption spectrum Visual comparison test vs history	Passed
311 bp	Sequencing	30 ng/band ± 10%	UV absorption spectrum Visual comparison test vs history	Passed
400 bp	Sequencing	40 ng/band ± 10%	UV absorption spectrum Visual comparison test vs history	Passed
500 bp	Sequencing	50 ng/band ± 10%	UV absorption spectrum Visual comparison test vs history	Passed
600 bp	Sequencing	60 ng/band ± 10%	UV absorption spectrum Visual comparison test vs history	Passed
700 bp	Sequencing	70 ng/band ± 10%	UV absorption spectrum Visual comparison test vs history	Passed
800 bp	Sequencing	80 ng/band ± 10%	UV absorption spectrum Visual comparison test vs history	Passed

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900 bp	Sequencing	90 ng/band ± 10%	UV absorption spectrum Visual comparison test vs history	Passed
1013 bp	Sequencing	100 ng/band ± 10%	UV absorption spectrum Visual comparison test vs history	Passed

Note: The values given relate to individual bands. Following the combination of all bands in one solution, the Ladder may be used for approximating the mass of DNA.

QA / QC Representative:  Andrew Galeeba-M Date: 16th December 2022

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DNA Loading Buffer Blue

For research or further manufacturing use only

Catalog No:	BIO-33030
Lot No:	MW432-B113270
Storage Conditions:	-20°C
Component Lot No:	HLBB-2035.015
Expiry date:	January 2025

Quality Control Parameters

Analysis	Specification	Result
Functional	Tested on a 1.5% gel with 4 different sized DNA. Single distinct bands were observed with agarose gel electrophoresis (ethidium stained).	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 x 10^{-3} U DNase.	Passed

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