BIOLINE A Meridian Life Science® Company	Certificate of Analysis	COA No: CA_XBH-0004 Version: 04

HyperLadder™ 100bp For Research Use Only	Storage Conditions: -20˚C
	Lot number: H4-618102A
	Expiry date: March 2020

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

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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
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.

Authorised by Ivan Mijatovic

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BIOLINE A Meridian Life Science® Company	Certificate of Analysis	COA No: CA XBB-0005 Version: 03

DNA Loading Buffer Blue

For Research Use Only

Storage Conditions:	-20°C
Lot number:	HLBB-618102A
Expiry date:	March 2020

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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