



Certificate of Analysis

COA No: CA_XBH-0001

Version: 04

HyperLadder™ 1Kb

For Research Use Only

Storage Conditions: -20°C

Lot number: H1-618107A

Expiry date: August 2020

Quality Control Parameters

Certified Values:

Number of Bases	Method of Testing	Specification	Method of Testing	Results
200 bp	Sequencing	20 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
600 bp	Sequencing	60 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
1000 bp	Sequencing	100 ng/band ± 10%	UV absorption spectrum Visual comparison test vs history	Passed
1500 bp	Sequencing	15 ng/band ± 10%	UV absorption spectrum Visual comparison test vs history	Passed
1517 bp	Sequencing	15 ng/band ± 10%	UV absorption spectrum Visual comparison test vs history	Passed
2000bp	Sequencing	20 ng/band ± 10%	UV absorption spectrum Visual comparison test vs history	Passed
2500 bp	Sequencing	25 ng/band ± 10%	UV absorption spectrum Visual comparison test vs history	Passed
3000 bp	Sequencing	30 ng/band ± 10%	UV absorption spectrum Visual comparison test vs history	Passed
4000 bp	Sequencing	40 ng/band ± 10%	UV absorption spectrum Visual comparison test vs history	Passed

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	Certificate of Analysis			COA No: CA_XBH-0001
				Version: 04

5000 bp	Sequencing	50 ng/band \pm 10%	UV absorption spectrum Visual comparison test vs history	Passed
6000 bp	Sequencing	60 ng/band \pm 10%	UV absorption spectrum Visual comparison test vs history	Passed
8000 bp	Sequencing	80 ng/band \pm 10%	UV absorption spectrum Visual comparison test vs history	Passed
10037 bp	Sequencing	100 ng/band \pm 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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 <small>A Merck Life Science Company</small>	Certificate of Analysis	COA No: CA XBB-0005
		Version: 03

<h2>DNA Loading Buffer Blue</h2> <p>For Research Use Only</p>	Storage Conditions:	-20°C
	Lot number:	HLBB-618107A
	Expiry date:	August 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 2.5×10^{-3} U DNase.	Passed

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