



## Certificate of Analysis

COA No: CA\_XBH-0005

Version: 04

# HyperLadder™ 25bp

For Research Use Only

Storage Conditions: -20°C

Lot number: H5-718108B

Expiry date: September 2020

### Quality Control Parameters

#### Certified Values:

Number of Bases	Method of Testing	Specification	Method of Testing	Results
25 bp	Sequencing	80 ng/band ± 10%	UV absorption spectrum Visual comparison test vs history	Passed
50 bp	Sequencing	80ng/band ± 10%	UV absorption spectrum Visual comparison test vs history	Passed
75 bp	Sequencing	80 ng/band ± 10%	UV absorption spectrum Visual comparison test vs history	Passed
100 bp	Sequencing	120 ng/band ± 10%	UV absorption spectrum Visual comparison test vs history	Passed
125 bp	Sequencing	80 ng/band ± 10%	UV absorption spectrum Visual comparison test vs history	Passed
150 bp	Sequencing	80 ng/band ± 10%	UV absorption spectrum Visual comparison test vs history	Passed
175 bp	Sequencing	80 ng/band ± 10%	UV absorption spectrum Visual comparison test vs history	Passed
200 bp	Sequencing	120 ng/band ± 10%	UV absorption spectrum Visual comparison test vs history	Passed
250 bp	Sequencing	60 ng/band ± 10%	UV absorption spectrum Visual comparison test vs history	Passed
300 bp	Sequencing	60 ng/band ± 10%	UV absorption spectrum Visual comparison test vs history	Passed
400 bp	Sequencing	60 ng/band ± 10%	UV absorption spectrum Visual comparison test vs history	Passed

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	<h2>Certificate of Analysis</h2>	COA No: CA_XBH-0005
		Version: 04

500 bp	Sequencing	60 ng/band $\pm$ 10%	UV absorption spectrum Visual comparison test vs history	Passed
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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 Medvet BioScience Company</small>	<b>Certificate of Analysis</b>	COA No: CA_XBB-0014
		Version: 03

<h2>MgCl<sub>2</sub> Solution, 50mM</h2> <p>Suitable for Research and further Manufacturing Use as an IVD component</p>	Storage Conditions:	-20°C
	Lot number:	MG-2035.004
	Expiry date:	September 2020

### Quality Control Parameters

Analysis	Specification	Result
Functional	Fragments of sizes 800bp and 3000bp are amplified with a dilution series of BIOTAQ™ DNA Polymerase, using standard conditions and 30 cycles. 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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