

## HyperLadder™ 1Kb

For research or further manufacturing use only

Catalog No:	BIO-33026
Lot No:	MW423-B107530
Storage Conditions:	-20°C
Component Lot No:	H1-022104A
Expiry date:	May 2024

### 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
5000 bp	Sequencing	50 ng/band ± 10%	UV absorption spectrum Visual comparison test vs history	Passed

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6000 bp	Sequencing	60 ng/band ± 10%	UV absorption spectrum Visual comparison test vs history	Passed
8000 bp	Sequencing	80 ng/band ± 10%	UV absorption spectrum Visual comparison test vs history	Passed
10037 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:



Alberta Newton

Date: 9<sup>th</sup> May 2022

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**DNA Loading Buffer Blue**

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Catalog No:	BIO-33026
Lot No:	MW423-B107530
Storage Conditions:	-20°C
Component Lot No:	HLBB-2035.014
Expiry date:	May 2024

**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 $2.5 \times 10^{-3}$ U DNase.	Passed

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