



Certificate of Analysis

COA No: CA_XBH-0005

Version: 04

HyperLadder™ 25bp

For Research Use Only

Storage Conditions: -20°C

Lot number: H5-718104A

Expiry date: May 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

United Kingdom
Headquarters UK

USA

Germany

France

Australia

Singapore

info.uk@bioline.com

Tel: +44 (0)20 8830 5300
Fax: +44 (0)20 8452 2822

info.us@bioline.com

Tel: +1 508 880 8990
Fax: +1 508 880 8993

info.de@bioline.com

Tel: +49 (0)3371 681 229
Fax: +49 (0)3371 681 244

Info.fr@bioline.com


Tel: +33 (0)1 42 56 04 40
Fax: +33 (0)9 70 06 62 10

info.aust@bioline.com

Tel: +61 (0)2 9209 4180
Fax: +61 (0)2 9209 4763

Info.sg@bioline.com

Tel: +65 6774 7196
Fax: +65 6774 6441

	<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
--------	------------	----------------------	---	--------

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



United Kingdom
Headquarters UK

info.uk@bioline.com
Tel: +44 (0)20 8830 5300
Fax: +44 (0)20 8452 2822

USA

info.us@bioline.com
Tel: +1 508 880 8990
Fax: +1 508 880 8993

Germany

info.de@bioline.com
Tel: +49 (0)3371 681 229
Fax: +49 (0)3371 681 244

France

info.fr@bioline.com
Tel: +33 (0)1 42 56 04 40
Fax: +33 (0)9 70 06 62 10

Australia

info.aust@bioline.com
Tel: +61 (0)2 9209 4180
Fax: +61 (0)2 9209 4763

Singapore

Info.sg@bioline.com
Tel: +65 6774 7196
Fax +65 6774 6441

 <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-618104C
	Expiry date:	May 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

Authorised by Ivan Mijatovic



United Kingdom
Headquarters UK

info.uk@bioline.com
Tel: +44 (0)20 8830 5300
Fax: +44 (0)20 8452 2822

USA

info.us@bioline.com
Tel: +1 508 880 8990
Fax: +1 508 880 8993

Germany

info.de@bioline.com
Tel: +49 (0)3371 681 229
Fax: +49 (0)3371 681 244

France

Info.fr@bioline.com
Tel: +33 (0)1 42 56 04 40
Fax: +33 (0)9 70 06 62 10

Australia

info.aust@bioline.com
Tel: +61 (0)2 9209 4180
Fax: +61 (0)2 9209 4763

Singapore

Info.sg@bioline.com
Tel: +65 6774 7196
Fax: +65 6774 6441