

HyperLadder™ 50bp

For research or further manufacturing use only

| | |
|---------------------|---------------|
| Catalog No: | BIO-33040 |
| Lot No: | MW426-B113470 |
| Storage Conditions: | -20°C |
| Component Lot No: | H2-122112A |
| Expiry date: | January 2025 |

Quality Control Parameters

Certified Values:

| Number of Bases | Method of Testing | Specification | Method of Testing | Results |
|-----------------|-------------------|-------------------|---|---------|
| 50 bp | Sequencing | 40 ng/band ± 10% | UV absorption spectrum Visual comparison test vs history | Passed |
| 100 bp | Sequencing | 40 ng/band ± 10% | UV absorption spectrum Visual comparison test vs history | Passed |
| 200 bp | Sequencing | 40 ng/band ± 10% | UV absorption spectrum Visual comparison test vs history | Passed |
| 300 bp | Sequencing | 100 ng/band ± 10% | UV absorption spectrum Visual comparison test vs history | Passed |
| 400 bp | Sequencing | 30 ng/band ± 10% | UV absorption spectrum Visual comparison test vs history | Passed |
| 500 bp | Sequencing | 30 ng/band ± 10% | UV absorption spectrum Visual comparison test vs history | Passed |
| 600 bp | Sequencing | 30 ng/band ± 10% | UV absorption spectrum Visual comparison test vs history | Passed |
| 700 bp | Sequencing | 30 ng/band ± 10% | UV absorption spectrum Visual comparison test vs history | Passed |
| 800 bp | Sequencing | 30 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 |
| 1200 bp | Sequencing | 20 ng/band ± 10% | UV absorption spectrum Visual comparison test vs history | Passed |
| 1400 bp | Sequencing | 20 ng/band ± 10% | UV absorption spectrum Visual comparison test vs history | Passed |

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| | | | | |
|---------|------------|------------------|---|--------|
| 1600 bp | Sequencing | 20 ng/band ± 10% | UV absorption spectrum Visual comparison test vs history | Passed |
| 1800 bp | Sequencing | 20 ng/band ± 10% | UV absorption spectrum Visual comparison test vs history | Passed |
| 2000 bp | Sequencing | 50 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:



Andrew Galeeba-M

Date: 20th December 2022

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DNA Loading Buffer Blue

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| | |
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| Catalog No: | BIO-33040 |
| Lot No: | MW426-B113470 |
| Storage Conditions: | -20°C |
| Component Lot No: | HLBB-2035.013 |
| Expiry date: | January 2025 |

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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