



## Certificate of Analysis

COA No: CA BNN-0001

Version: 03

### dNTP Mix 100mM

For Research Use Only

Storage Conditions: -20°C

Lot number: DM-516403

Expiry date: April 2018

### Quality Control Parameters

| Analysis            | Specification   | Result |
|---------------------|---|--------|
| Functional          | A 3Kb Lambda DNA fragment is amplified with a dilution series of dNTPs, 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 |
| RNase contamination | Quantitative PCR analysis with high and low RNase standards. Test sample must show less RNase activity than the limit of detection $9.7 \times 10^{-3}$ ng/ $\mu$ L RNase.  | Passed |
| Nicking Activity    | Incubation of dNTP mix with supercoiled control plasmid. Analysed by agarose gel electrophoresis. Test sample does not show an increase of linearized or relaxed plasmid.   | Passed |

Authorised by Christopher Weatherall

**United Kingdom**  
Headquarters UK

**USA**

**Germany**

**France**

**Australia**

**Singapore**

[info.uk@bioline.com](mailto:info.uk@bioline.com)

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

[info.us@bioline.com](mailto:info.us@bioline.com)

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

[info.de@bioline.com](mailto:info.de@bioline.com)

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

[Info.fr@bioline.com](mailto:Info.fr@bioline.com)

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

[info.aust@bioline.com](mailto:info.aust@bioline.com)

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

[Info.sg@bioline.com](mailto:Info.sg@bioline.com)

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