



Certificate of Analysis

COA No: CA BEM-0018

Version: 02

Ranger DNA Polymerase

For Research Use Only

Storage Conditions: -20°C

Lot number: RNG-115112

Expiry date: January 2018

Quality Control Parameters

Analysis	Specification	Result
Functional	<p>Fragment of size 10Kb is amplified with a dilution series of Ranger DNA Polymerase, using standard conditions and 30 cycles.</p> <p>Fragments of size 10Kb and 23Kb are amplified with a dilution series of human genomic DNA, using standard conditions and 30 cycles.</p> <p>Single distinct bands were observed with agarose gel electrophoresis (ethidium stained).</p>	Passed
DNA contamination	<p>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.</p>	Passed
DNase contamination	<p>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.</p>	Passed

Authorised by Christopher Weatherall

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



Certificate of Analysis

COA No: CA BB-0043

Version: 02

RANGER Reaction Buffer

For Research Use Only

Storage Conditions: -20°C

Lot number: RNGB-415112

Expiry date: January 2018

Quality Control Parameters

Analysis	Specification	Result
Functional	Fragments of sizes 10kb and 23kb were amplified with a dilution series of human genomic DNA, 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 2.5×10^{-3} U DNase.	Passed

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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