



Certificate of Analysis

PRODUCT: *EasyTaq*[®] DNA Polymerase

CAT. NO.

AP111

AMOUNT

500 units/ 6×500 units/ 4×2500 units/
10×5000 units

LOT NUMBER

O10909

SHELF LIFE

Two years

STORAGE CONDITIONS

Store at -20 °C

SHIPPING CONDITIONS

Dry ice (-70 °C)

DESCRIPTION

EasyTaq[®] DNA Polymerase is purified from *E. coli* expressing a cloned DNA polymerase from *Thermus aquaticus*. The enzyme consists of a single polypeptide with a molecular weight of approximately 94 kDa. *EasyTaq*[®] DNA Polymerase has 5'-3' DNA polymerase activity and 5'-3' exonuclease activity. It lacks 3'-5' exonuclease activity. *EasyTaq*[®] DNA Polymerase is suitable for routine amplification. PCR products are unsuitable for PAGE.

- Extension rate is about 1-2 kb/min.
- Amplification of genomic DNA fragment up to 4 kb.

PACKAGE CONTENTS

Component	AP111-01/11	AP111-02/12	AP111-03/13	AP111-04
<i>EasyTaq</i> [®] DNA Polymerase	500 U×1	500 U×6	2500 U×4	5000 U×10
10× <i>EasyTaq</i> [®] Buffer	1.2 ml ×1	1.2 ml ×6	1.2 ml ×20	1.2 ml ×100
2.5 mM dNTPs	- / 800 µl ×1	- / 800 µl ×6	- / 800 µl ×20	-
6×DNA Loading Buffer	1 ml×1	1 ml×2	1 ml×4	1 ml×20

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QUALITY CONTROL DATA

Assay	Standard	Result
PCR	1. Genome, cDNA, and plasmids can be effectively amplified. 2. The PCR results of products from this batch are consistent or similar compared with products from the control batch.	Meets standards



Notice to Purchaser

All products are for research use only. Caution: Not intended for human or animal diagnostic or therapeutic uses. If you have any further questions about this Certificate of Analysis, please contact us at +86-10-57815027 or +86-400-898-0321.

TransGen Biotech products may not be transferred to third parties, resold, modified for resale, or used to manufacture commercial products or to provide a service to third parties without prior written approval of TransGen Biotech Co., Ltd.

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A handwritten signature in black ink that reads "Heng Zheng".

Manager, Quality Control Department

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