

Certificate of Analysis

Product Name: 2.5 mM dNTP Mixture
Cat. No.: K1040
Batch No.: 1



Physical and Chemical Properties

Concentration:	2.5 mM
Production Date:	Jun 2020
Expiration Date:	Jun 2022
Storage:	-20°C



Analytical Data

PCR Amplification (2.0 kb Lambda, dNTPs)

A 50 µL reaction in PCR Reaction Buffer in the presence of 200 µM dNTP Mixture and 0.5 µM primers containing 1 ng Lambda DNA with 1 unit of Taq DNA Polymerase for 25 cycles of PCR amplification results in the expected 2.0 kb product.

Pass

PCR Amplification (500 bp Lambda, dNTPs)

A 50 µL reaction in PCR Reaction Buffer in the presence of 200 µM dNTP Mixture and 0.5 µM primers containing 1 ng Lambda DNA with 1 unit of Taq DNA Polymerase for 25 cycles of PCR amplification results in the expected 500 bp product.

Pass

PCR Amplification (5.0 kb Lambda, dNTPs)

A 50 µL reaction in PCR Reaction Buffer in the presence of 200 µM dNTP Mixture and 0.5 µM primers containing 1 ng Lambda DNA with 1 unit of Taq DNA Polymerase for 25 cycles of PCR amplification results in the expected 5.0 kb product.

Pass

Physical Purity (HPLC)

dNTP Mixture is ≥99% pure as determined by HPLC analysis.

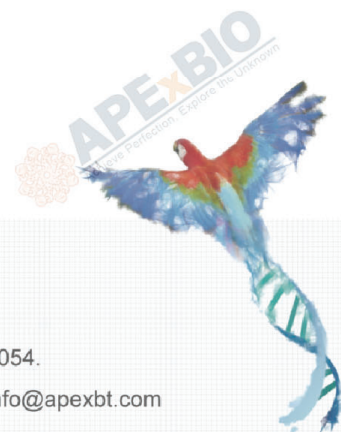
Pass

Signed by: Aifuan Li
 Quality Assurance

Caution

FOR RESEARCH PURPOSES ONLY.

NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.



APEx BIO Technology

www.apexbt.com

7505 Fannin street, Suite 410, Houston, TX 77054.

Tel: +1-832-696-8203 | Fax: +1-832-641-3177 | Email: info@apexbt.com