

2X *Taq* Master Mix

Cat. No.: E00019

Size: 2X 1.25 ml for 100 reactions of 50 μ l.

Storage: Store at -20°C.

Version: 10/11/2010

Specificity

2X *Taq* Master Mix is a premixed 2X concentrated solution of *Taq* DNA Polymerase (GenScript, Cat. No. E00007), reaction buffer, MgCl₂ and dNTPs. 2X *Taq* Master Mix contains all components for PCR, except DNA template and primers. The mixture is optimized for consistent and efficient routine PCR amplifications. It can amplify up to 8 kb fragment from lambda DNA. For a 50 μ l reaction, simply add 25 μ l of 2X *Taq* Master Mix to primers, DNA template and PCR-Qualified H₂O.

Key Features

- *Taq* DNA Polymerase in ready-to-use mix
- Low contamination risk
- Low risk of pipetting errors

Contents

- 0.1 U/ μ l *Taq* DNA Polymerase (GenScript, Cat. No. E00007)
- Reaction buffer
- 3 mM MgCl₂
- 0.4 mM dNTPs

Stability

1. Freeze-thaw stability of 2X *Taq* master mix: Following 25 freeze-thaw cycles, no effect on performance is observed.

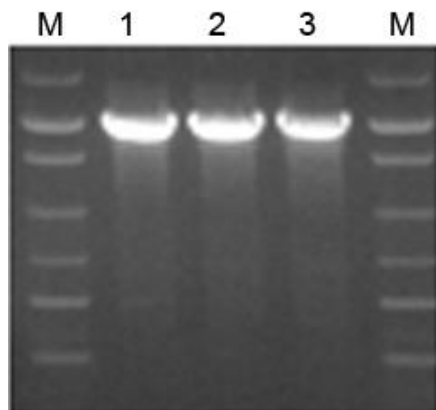


Fig. 1 Stability after 25 freeze-thaw cycles.
2 kb fragment amplification.
Lane 1 25 μ l of 2X *Taq* Master Mix
Lane 2 25 μ l of 2X *Taq* Master Mix after 25 freeze-thaw cycles
Lane 3 2.5 U *Taq* DNA Polymerase (GenScript, Cat. No. E00007)

2. Stability at 4°C: No effect on performance is observed after storage at 4°C for 2 months.

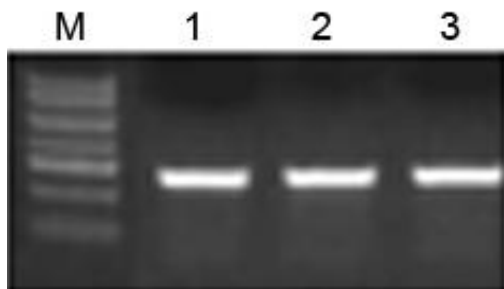


Fig. 2 Stability at 4°C
0.5 kb fragment amplification.
Lane 1 25 μ l of 2X *Taq* Master Mix
Lane 2 25 μ l of 2X *Taq* Master Mix storage at 4°C for 2 months
Lane 3 2.5 U *Taq* DNA Polymerase (GenScript, Cat. No. E00007)