



BioReady rTaq

BSA12L050

10 x 500 Units (5 units/ μ l)
20 x 10x Reaction Buffer with 15mM MgCl₂ (1ml)
10 x 6x loading dye (500 μ l)

Description

BioReady rTaq is a recombinant, engineered, 94kD thermostable DNA polymerase from *Thermus aquaticus*.

Storage

-20°C

Definition of Activity

One unit is the amount of enzyme that will incorporate 10 nmol of dNTPs into acid-insoluble product in 30 minutes at 74°C using activated salmon sperm DNA as the template.

Quality Control

This product was purified by HPLC twice.

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|-------------------------------|-----|
| 1) 5'-3' exonuclease activity | Yes |
| 2) Extra A addition | Yes |
| 3) 3'-5' exonuclease activity | No |
| 4) DNase free | Yes |
| 5) RNase free | Yes |
| 6) Protease free | Yes |

Reaction Mixture

10x Reaction Buffer	5 μ l
dNTP Mix (10 mM)	1 μ l
Forward primer (10 μ M)	1-5 μ l
Reverse primer (10 μ M)	1-5 μ l
BioReady rTaq	0.5 μ l
ddH ₂ O	to 50 μ l

Thermal Cycler Protocol

94°C	5min
94°C	30s
50-72°C	30s
72°C	60s/kb
72°C	5min

35 cycles