

Super-Run Taq DNA Polymerase

Date 2009.14

Version 1_03

Cat No : PT-T535-250U

Size : 250 units

Concentration : 5 units/ μ l

Volume : 50 μ l

Purity degree:

Nicking activity, endonuclease and exonuclease activity were not detected after the incubation of 0.6 μ g of supercoiled pBR322 DNA, 0.6 μ g of λ DNA or 0.6 μ g of λ -Hind III digest with 10 units of this enzyme for 1 hour at 74°C.

PCR products:

As most PCR products amplified with Super-Run Taq that is high fidelity thermostable DNA polymerases, have one A to add at 3'-termini, the obtained PCR product can be directly used for cloning into T-vector. Also it is possible to clone the product in blunt-end vectors after blunting and phosphorylation of the end.

Components : *Store at -20°C.*

- 1 tubes of 5 μ l Super-Run Taq DNA polymerase
- 1 tube of 100 ul 10X Super-Run Taq Buffer (20 mM Mg²⁺ plus)

General Protocol: (total 50 ul)

Set up as follows:

| | Experimental Sample |
|--|--------------------------------|
| Super-Run Taq™ (5 units/ μ l) | 0.25 ul |
| 10X Super-Run Taq Buffer (20 mM Mg ²⁺ plus) | 5 ul |
| dNTP Mixture (2.5mM) | 4 μ l (1ul for 10 mM dNTP) |
| Primer 1 (0.2 ~ 1.0 uM) | X μ l |
| Primer 2 (0.2 ~ 1.0 uM) | Y μ l |
| Template < 500 ng | Z μ l |
| Sterilized distilled water | Up to 50 ul |
| <hr/> | |
| Total | 50 μ l |

- For Experimental Sample, go to your own Cycle Conditions.
- When amplifying 1 kb DNA fragment: 30 cycles of 98 °C denaturation for 10 sec, 55 °C annealing for 30 sec and 72°C extension for 1 mins, Or, 30 cycles of 98 °C denaturation for 10 sec, 68°C annealing/extension for 1 min. Denaturation condition varies depending on an used thermal cycler and tube. It is recommended for 10-30 sec at 94°C, or 1-10 sec at 98°C

For Research Using Only.

Please do not hesitate to contact us if you have any questions.

Manufactured for and distributed by Protech Technology Enterprise Co.,Ltd
TEL : +886-2-2655-7677 / FAX : +886-2-2655-7601 / Toll Free : 0800-231-530
E-MAIL: service@bio-protech.com.tw ; tech@bio-protech.com.tw
WEB: <http://www.bio-protech.com.tw>