



Innuscreen

innovative
Sensor
Technology

innuTaq DNA Polymerase

IST Innuscreen's innuTaq DNA Polymerase is a highly purified recombinant thermostable DNA polymerase that has been isolated from *E.coli* carrying a vector encoding the *Thermus aquaticus* DNA polymerase gene. The enzyme has 5' → 3' DNA polymerase activity. The extreme thermostability of the polymerase allows incubation at high temperatures (95 ° C). It is recommended for use in routine PCR reactions.

Specifications

Concentration

5 U/μl

(One unit is defined as the amount of enzyme required to catalyze the incorporation of 10 nmol of dNTPs into a polynucleotide fraction in 30 minutes at 70 °C.)

PCR Buffer

10× PCR Buffer with KCl; 100 mM Tris-HCl (pH 8.8 at 25 °C); 500 mM KCl; 0.8 % Nonidet P40

10× PCR Buffer with (NH₄)₂SO₄; 750 mM Tris-HCl (pH 8.8 at 25 °C); 200 mM (NH₄)₂SO₄; 0.1 % Tween 20

Enzyme storage buffer

20 mM Tris-HCl pH 8.0; 100 mM KCl; 1 mM DTT; 0.1 mM EDTA; 0.5 % Tween 20; 0.5 % Nonidet P40; 50 % Glycerol

PS-Mg₂ + solution

MgCl₂ stock solution, 25 mM

Product Name: innuTaq DNA Polymerase

The online shop

Price: € 9.00

Content: 50 reactions

Please select packing ▼