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Product Datasheet

Taq DNA polymerase Hot-Start
1101

Product Name	Taq DNA polymerase Hot-Start
Catalog Number	#1101
Description	Taq DNA polymerase Hot-Start is an aptamer-based fast-start formulated DNA polymerase supplied with a 10x reaction buffer that has been specially designed for optimal PCR performance and DNA polymerase activity. It's "Hot-Start" feature eliminates false amplification at temperatures below 50-55°C. This DNA polymerase is suitable for a wide range of PCR applications and it's 5'-3'-exonuclease activity means it can be used for hydrolysis probe-based real-time PCRs. *For research use and further manufacturing. Designed and manufactured under ISO13485*
Tested Applications	End-Point, Real-Time
Brand	myPOLS Biotec
Storage	-20°C
References	Lawyer, F. C., Stoffel, S., Saiki, R. K., Myambo, K., Drummond, R., & Gelfand, D. H. (1989). Isolation, characterization, and expression in Escherichia coli of the DNA polymerase gene from Thermus aquaticus. Journal of Biological Chemistry, 264(11), 6427-6437. Tindall, K. R., & Kunkel, T. A. (1988). Fidelity of DNA synthesis by the Thermus aquaticus DNA polymerase. Biochemistry, 27(16), 6008-6013. Saiki, R. K., Gelfand, D. H., Stoffel, S., Scharf, S. J., Higuchi, R., Horn, G. T., ... & Erlich, H. A. (1988). Primer-directed enzymatic amplification of DNA with a thermostable DNA polymerase. Science, 239(4839), 487-491.
Content	S pack: 400 U, 5 U/µl, 1 x 80 µl Taq DNA polymerase Hot-Start; 2x 1.25 ml 10 x Taq Buffer L pack: 4000 U, 5 U/µl, 2 x 400 µl Taq DNA polymerase Hot-Start; 13x 1.25 ml 10 x Taq Buffer