

CERTIFICATE OF ANALYSIS

Product:	Taq-Purple DNA polymeráza
Catalog No:	107, T108, T109
Lot No:	T107122027
Date of Expiry:	12/2027
Concentration:	1U/ μ l
Storage buffer:	20 mM Tris-HCl (pH 8.0 at 25°C), 100 mM KCl, 0.1 mM EDTA, 1 mM DTT, 0.5% Nonidet P-40, 0.5% Tween 20, inert red dye, stabilizers, 50% glycerol.
Supplied with:	10x conc. PCR Blue Buffer: 750 mM Tris-HCl, pH 8.8 (at 25°C), 200 mM $(\text{NH}_4)_2\text{SO}_4$, 1% Tween 20, 25 mM MgCl_2 (1,5 ml).
Storage temperature:	At temperature $-20^\circ\text{C} \pm 5^\circ\text{C}$. Material can be repeatedly defrosted.
Purity:	The enzyme was analyzed by SDS-PAGE and single band of ~94 kDa was observed
Functional Test:	The Lot has been tested for the ability to amplify a fragment of genomic DNA using the following conditions:
Test conditions:	39.5 μ l PCR H_2O 5 μ l PCR Blue buffer containing MgCl_2 (see above) 1 μ l 10 mM dNTP mix (10 mM for each, dATP, dCTP, dGTP, and d TTP) 0.5 μ l 50 μ M 5' primer (5'-ATGAACCCAGCCATCAGCG-3') 0.5 μ l 50 μ M 3' primer 5'-GGGTAAGGACCTTGATATAGG-3' 2.5 μ l Taq-Purple DNA polymeráza (2.5 U total) 1 μ l DNA containing 80 ng of mouse genomic (tail) DNA.
Cycling conditions:	95°C, 2 min initial denaturation, followed by 40 cycles of 94°C, 15 s (denaturation) 54°C, 15 s (annealing) 72°C, 60 s (extension)
Result:	As expected, electrophoresis of the PCR product on agarose gel revealed one band of 864 bp

FOR RESEARCH USE

APPROVED DATE: 08.09.2025

Manager: Hana Těšitelová