

Ruby Bst DNA Polymerase

Product Information

Cat#	DIA-461
Source	Geobacillus stearothermophilus
Description	Derived from Geobacillus stearothermophilus DNA Polymerase I (large fragment) without 5'→3' exonuclease activity. Exhibits 5'→3' polymerase and strand displacement activity. Outperforms wild-type in amplification speed, thermal stability, and inhibitor resistance, ideal for contamination-resistant isothermal amplification such as LAMP.
Applications	Isothermal amplification reactions such as LAMP.
Product Overview	Product Components: 1600 U: Ruby Bst DNA Polymerase (8,000 U/mL): 200 µL 10x Isothermal Amplification Buffer II: 1.25 mL MgSO ₄ (100 mM): 1.25 mL 8000 U: Ruby Bst DNA Polymerase (8,000 U/mL): 1 mL 10x Isothermal Amplification Buffer II: 1.25 mL x 2 MgSO ₄ (100 mM): 1.25 mL x 2
Package	1600/8000 U