

GspSSD2.0 DNA Polymerase

For research purposes only. Not for use in diagnostic procedures for clinical purposes. FOR *IN VITRO* USE ONLY

Cat. No.	GSPSSD2-002	8000u
Cat. No.	GSPSSD2-003	40000u

Product Description

A recombinant, large fragment, *in silico* engineered DNA polymerase from *Geobacillus species* SSD expressed in *E.coli*.

Applications: This enzyme is designed for use in isothermal DNA amplification.

Stability: The undiluted enzyme mix is stable when stored at -20°C in a constant temperature freezer.

Supplied Reagents:

Enzyme @ 8u/μl

10x Buffer (500mM Tris-HCl (pH 8.1 @ 25°C), 300mM KCl, 300mM (NH₄)₂SO₄ and

1% Triton X-100)

50mM MgSO₄·7H₂O

Storage Buffer: 50mM Tris-HCl (pH 8.3), 100mM KCl, 0.1mM EDTA, 1mM DTT, 0.5% Nonidet® P40 (v/v), 0.5% Tween® 20 (v/v) and 50% glycerol.

Quality Control: Each lot is tested for activity in an Isothermal DNA amplification reaction.

For maximal activity and specificity in an isothermal amplification reaction we advise using Betaine at a final concentration of 1M.

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Tween® 20 is a registered trademark of ICI Americas Inc., Wilmington, USA.

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