

NZY Bst

DNA polymerase



nzytech

genes & enzymes



Molecular biology



Molecular diagnostics



CAZymes



Analytical products



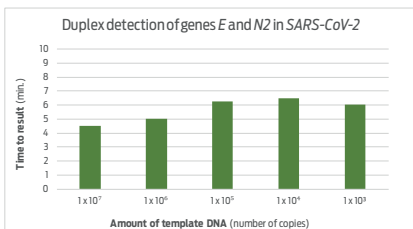
Molecular services

Perfected Sensitivity for LAMP applications

The new NZY Bst DNA polymerase is part of a new generation of DNA polymerases, developed and optimized for standard Loop-mediated isothermal amplification (LAMP) applications and also suitable for nucleic acid amplification methods requiring strand displacement activity, such as whole genome amplification (WGA) and Multiple displacement amplification (MDA). NZY Bst DNA polymerase was engineered to provide high sensitivity, allowing the specific amplification of DNA fragments from low copy number templates and robust LAMP amplifications in short running times, under minimal optimization conditions.

Fast and consistent isothermal amplification

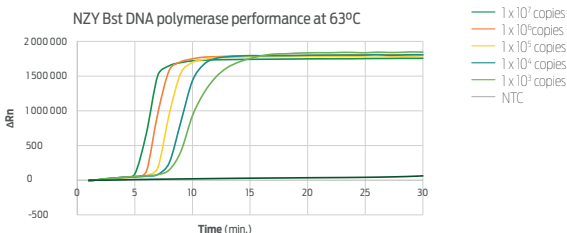
Enzyme performance based on DNA template concentration shows fast and consistent isothermal amplification.



Amplification across multiple concentrations of template DNA (ranging between 10^7 and 10^3 copies).

Optimum Activity at 63°C

Amplification across multiple concentrations of template DNA (ranging between 10^7 and 10^3 copies).



NZY Bst DNA polymerase

200 μ L

€ 65,00

3 x 200 μ L

€ 164,00



LAMP Application



WGA & MDA Applications



Activity over a Wide Range of Temperature



**Scan Code To Review
Protocols / CoA / MSDS**