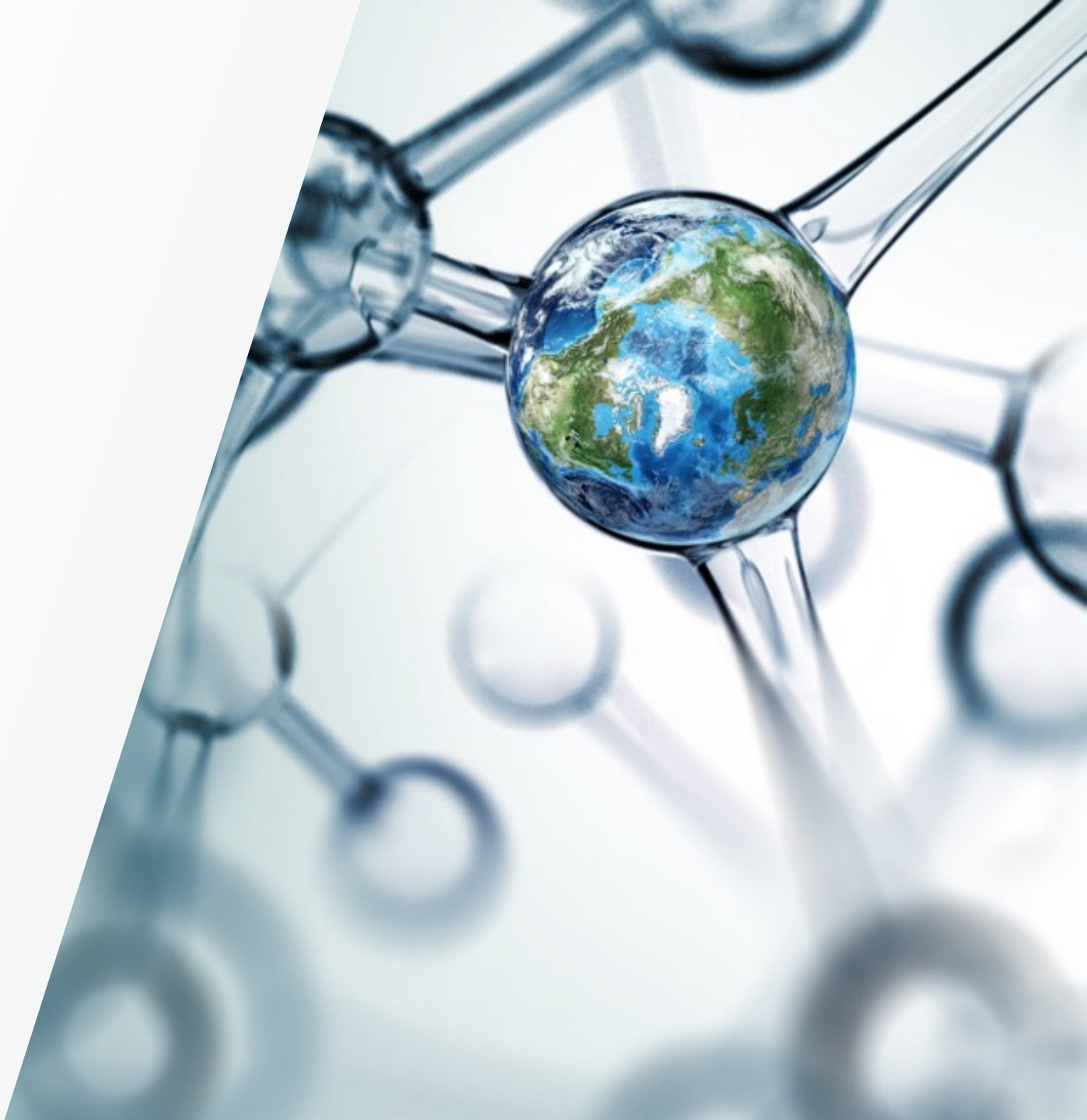
Comparison of updated and original Platinum SuperFi DNA Polymerase formulations



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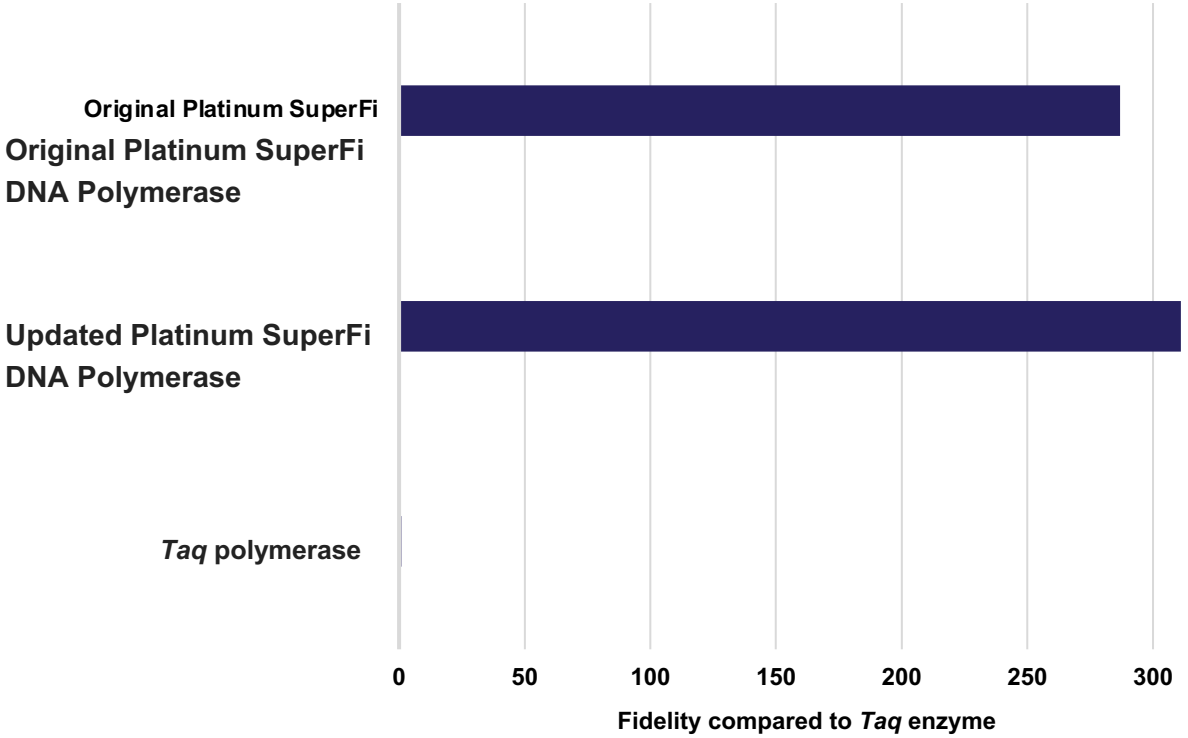
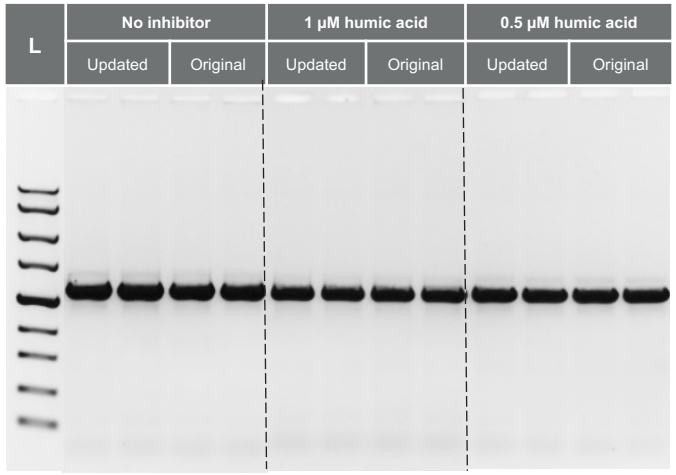
Fidelity of new and original Platinum SuperFi DNA Polymerase formulations

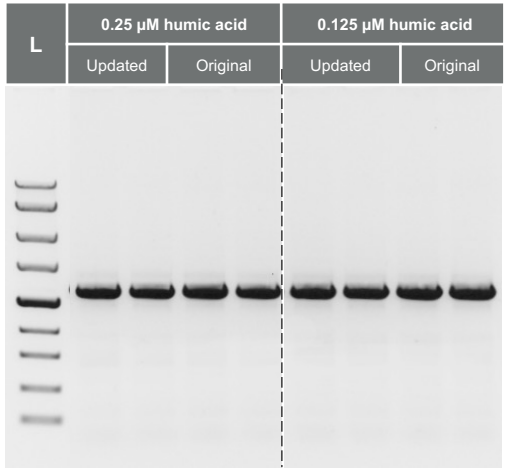


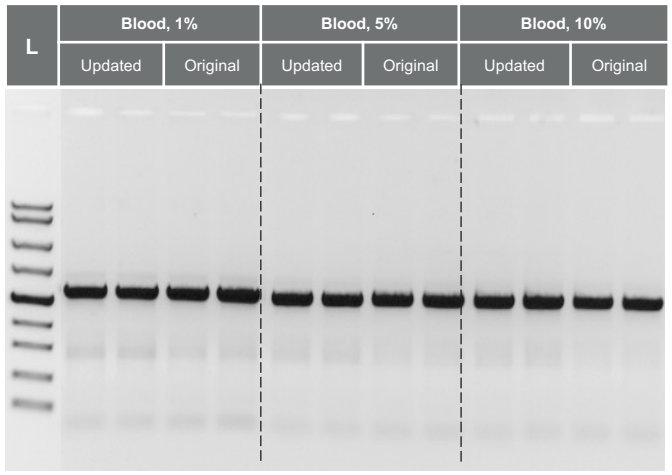
Fidelity of original and updated Invitrogen™ Platinum™ SuperFi™ DNA Polymerase formulations. Polymerase fidelity was evaluated by next-generation sequencing and normalized to the fidelity of *Taq* polymerase.

The fidelity of the updated Platinum SuperFi DNA Polymerase formulation is as high as that of the original formulation, and it is >300 times higher than the fidelity of *Taq* polymerase.

Comparison of new and original Platinum SuperFi DNA Polymerase formulations in the presence of reaction inhibitors







Resistance of original and updated Platinum SuperFi DNA Polymerase formulations to PCR inhibitors. Humic acid or human blood was added to PCR reactions for amplifying a 1.7 kb fragment of human genomic DNA. The updated and original Platinum SuperFi DNA Polymerase formulations displayed the same resistance to both PCR inhibitors.

Original formulation

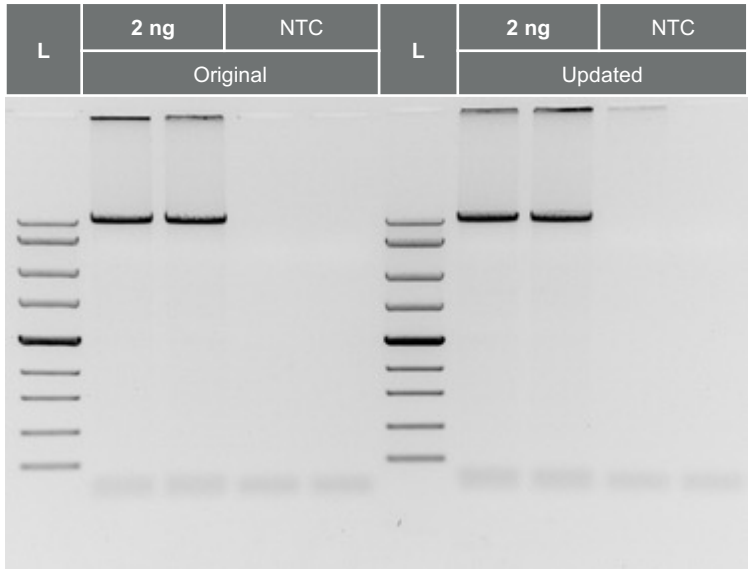
Platinum SuperFi DNA Polymerase with Triton™ X-100 detergent

Updated formulation

Platinum SuperFi DNA Polymerase with a different detergent

The updated and original Platinum SuperFi DNA Polymerase formulations perform equally well in the presence of PCR inhibitors.

Long fragment amplification using new and original Platinum SuperFi DNA Polymerase formulations



Long fragment amplification using original and updated Platinum SuperFi DNA Polymerase formulations. A 20 kb fragment was amplified from 2 ng of lambda DNA using the new and original Platinum SuperFi DNA Polymerase formulations.

Original formulation

Platinum SuperFi DNA Polymerase with Triton X-100 detergent

Updated formulation

Platinum SuperFi DNA Polymerase with a different detergent

Amplification of a long DNA fragment using the updated and original Platinum SuperFi DNA Polymerase formulations was equivalent.

Thank you