

## PRODUCT SPECIFICATION

<b>Product Name:</b>	TargetEx Fine Taq Polymerase 1 mg/mL
<b>Catalogue Number:</b>	TGX-033-BS/BM/BL
<b>Concentration:</b>	1.0 ± 0.1 mg/mL (LOT specific)
<b>Storage Temperature:</b>	-20 °C
<b>Shipping Condition:</b>	Dry ice
<b>Stability:</b>	Stable for 1 year at -20 °C
<b>Storage Buffer:</b>	20 mM Tris, 100 mM KCl, 0.1 mM EDTA, 1 mM DTT, 0.5% Tween20™, 0.5% Triton™ X-100, 50% glycerol, pH=8.0
<b>Amount:</b>	Quantity varies according to request. Contact us for more details.

## QUALITY CONTROL

Assay Name	Specification
<b>Purity Assay</b>	≥ 98% purity determined by SDS-PAGE
<b>Activity Assay</b>	Activity is confirmed by comparison to a standard in a qPCR reaction, followed by melt curve analysis
<b>DNase Activity Assay</b>	No detectable level of DNase activity was observed according to a fluorescence-based QC method
<b>RNase Activity Assay</b>	No detectable level of RNase activity was observed according to a fluorescence-based QC method
<b>Residual DNA Assay</b>	No detectable level of residual DNA is present according to a fluorescence-based QC method
<b>Endonuclease Assay</b>	No endonuclease activity was detected according to a gel-electrophoresis based QC method
<b>Functional Activity</b>	Functional activity is confirmed by comparison to standard in a conventional PCR reaction, followed by gel-electrophoresis

Testing confirms compliance with all defined specifications.

