

Product Information	
AccuStart Taq DNA Polymerase HiFi	
Part Number	95085-250
Number of Units	250 Units
Concentration	5U/ $\mu$ L
Storage Temperature	-25°C to -15°C
Lot Number	025194
Reference Number	100917, 062016, 061616
Expiration Date	06/30/2019

**Product Description:**

AccuStart Taq DNA Polymerase HiFi combines high-yielding mutant Taq DNA polymerase with 3'-exonuclease (proof-reading) polymerase and ultrapure, monoclonal antibody hot-start activation control. This reagent provides highly-sensitive and precise target amplification with convenient assembly at ambient temperature. Robust and reliable amplification of large, complex DNA targets up to 20kb in length.

**Component Part Numbers:**

84122 AccuStart Taq DNA Polymerase HiFi, 0.05mL

84125 10X HiFi PCR Buffer 1.25mL

84126 50mM Magnesium Sulfate 1.25mL

Product Specifications			
95085			
Assay	23 Kb PCR Functional Assay	DNase	RNase
Result	Pass	Pass	Pass

**Quality Control Analysis and Specifications:**

**Nuclease Assay:**

**DNase:** DNase activity must be below the detectable limits of 100 pg DNase I equivalent as assayed using a fluorogenic substrate following a 1 hour incubation at 37°C with each kit component at 1X concentration.

**RNase:** RNase activity must be below the detectable limits of 1 pg RNase A equivalent as assayed using a fluorogenic substrate following a 1 hour incubation at 37°C with each kit component at 1X concentration.

**23 Kb PCR Functional Assay for HiFi DNA Polymerase:** Amplification of >23-kb product must be visible by agarose gel electrophoresis following a 35 cycle PCR amplification of a single copy sequence from 100 ng human genomic DNA. Negative control must be free of visible product.

**Limitations of Use**

QuantaBio and Ultrplex are registered trademarks of QIAGEN Beverly, Inc. Quanta Biosciences, qScript, Geltrack, ToughMix, PerfeCta, and Fastmix are registered trademarks of Quanta BioSciences Inc. Extracta, AccuStart, AccuMelt, and Accuvue are trademarks of Quanta BioSciences Inc. Applied Biosystems, StepOne, StepOnePlus and ROX are trademarks of Thermo Fisher Scientific and or its subsidiaries. Please contact QIAGEN-Beverly for more information.

This product was developed, manufactured, and sold for *in vitro* use only. The product is not suitable for administration to humans or animals. SDS sheets relevant to this product are available upon request.