

Product Information	
AccuStart Taq DNA Polymerase HiFi	
Part Number	95085-01K
Number of Units	1000 Units
Concentration	5U/ μ L
Storage Temperature	-25°C to -15°C
Lot Number	022376
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:

- 84123 AccuStart Taq DNA Polymerase HiFi, 0.20mL
- 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

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