

Product Information	
AccuStart™ Mouse Genotyping Kit	
Part Number	95135-500
Number of Reactions	500 Reactions
Reaction Size	25 µL
Storage Temperature	-25°C to -15°C
Lot Number	66269191
Reference Number	66271080, 66269190
Expiration Date	06/30/2027

Product Description:

The AccuStart II Genotyping Kit is a complete reagent kit designed to support conventional, end-point PCR-based screening of transgenic animal models commonly used in life science research and is validated for use with mouse, fish, or insect tissue specimens. It combines a rapid, 2-component DNA extraction reagent with a user-friendly 2X concentrated PCR SuperMix with loading dye for seamless gel electrophoresis analysis. qPCR-grade genomic DNA template is obtained with minimal extraction volumes ($\leq 100\mu\text{L}$) and can be carried out in ≤ 30 -minutes on a standard PCR thermal cycler.

Component Part Numbers:

95091-025 Extraction Reagent, 25.0mL

95136-500 AccuStart II Gel Track PCR SuperMix

Product Specifications			
95135			
Assay	4.1KB 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.

4.1KB PCR Functional Assay: Negative control must be free of visible product with a single band at $\sim 4.1\text{Kb}$ visible from 35 cycles of PCR using 20ng human genomic DNA.

Limitations of Use

QuantaBio, UltraPlex, qScript, GelTrack, ToughMix, PerfeCta, and FastMix are registered trademarks of QuantaBio, LLC. Applied Biosystems, StepOne, StepOnePlus and ROX are trademarks of Thermo Fisher Scientific and or its subsidiaries. Please contact QuantaBio 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.

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