

Product Information	
AccuStart™ Mouse Genotyping Kit	
Part Number	95135-100
Number of Reactions	100 Reactions
Reaction Size	25 µL
Storage Temperature	-25°C to -15°C
Lot Number	029828
Reference Number	050118, 013788, 015076
Expiration Date	05/31/2021

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:

- 84156 Extraction Reagent, 1.25mL
- 84157 Stabilization Buffer, 1.25mL
- 84228 AccuStart II Gel Track PCR SuperMix 1.25mL

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 ~4.1Kb visible from 35 cycles of PCR using 20ng human genomic DNA.

Limitations of Use

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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.