

| 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 | 66242040 |
| Reference Number | 66242038, 66242039 |
| Expiration Date | 01/31/2026 |

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 ~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.

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