

| 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                      | 66251421           |
| Reference Number                | 66251538, 66254333 |
| Expiration Date                 | 01/31/2027         |

**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  $\leq 30$ -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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