**Product Specification** 95135-500 Rev 01

### Limitations of Use
Quantabio and Ultraplex are registered trademarks of QIAGEN Beverly, Inc. Quanta Biosciences, qScript, Geltrack, ToughMix, PerfeCta, and Fastmix are registered trademarks of Quanta BioSciences Inc. Extracta, AccuStart, AccuMelt, and Accuvue are trademarks of Quanta BioSciences Inc. Applied Biosystems, StepOne, StepOnePlus and ROX are trademarks of Thermo Fisher Scientific and or its subsidiaries. Please contact QIAGEN-Beverly 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.

100 Cummings Center, Suite 407J, Beverly, MA 01915 • Ph (888) 927-7027 • Fax (978) 867-5724 • [www.QuantaBio.com](http://www.QuantaBio.com)  FMWI016.2 Rev 01

---

**Product Specifications**

<table>
<thead>
<tr>
<th>Assay</th>
<th>Result</th>
<th>DNase</th>
<th>RNase</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.1KB PCR Functional Assay</td>
<td>Pass</td>
<td>Pass</td>
<td>Pass</td>
</tr>
</tbody>
</table>

**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 (≤ 100uL) and can be carried out in ≤ 30-minutes on a standard PCR thermal cycler.

**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.

---

**Component Part Numbers:**
95091-025 Extraction Reagent, 25.0mL
95136-500 AccuStart II Gel Track PCR SuperMix

---

**Product Information**

<table>
<thead>
<tr>
<th>Component</th>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AccuStart™ Mouse Genotyping Kit</td>
<td>95135-500</td>
<td>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 (≤ 100uL) and can be carried out in ≤ 30-minutes on a standard PCR thermal cycler.</td>
</tr>
</tbody>
</table>