Product Specification 95135-100 Rev 02

Limitations of Use
Quantabio, UltraPlex, qScript, GelTrack, ToughMix, PerfeCt, 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.

100 Cummings Center, Suite 407J, Beverly, MA 01915 • Phone +1 888-959-5165 • www.quantabio.com  FMWI-016.2 Rev.03

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.

Product Information

<table>
<thead>
<tr>
<th>AccuStart™ Mouse Genotyping Kit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Part Number</td>
</tr>
<tr>
<td>Number of Reactions</td>
</tr>
<tr>
<td>Reaction Size</td>
</tr>
<tr>
<td>Storage Temperature</td>
</tr>
<tr>
<td>Lot Number</td>
</tr>
<tr>
<td>Reference Number</td>
</tr>
<tr>
<td>Expiration Date</td>
</tr>
</tbody>
</table>

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 |

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.

Limitations of Use
Quantabio, UltraPlex, qScript, GelTrack, ToughMix, PerfeCt, 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.

100 Cummings Center, Suite 407J, Beverly, MA 01915 • Phone +1 888-959-5165 • www.quantabio.com  FMWI-016.2 Rev.03