



SUPERIOR PCR PERFORMANCE

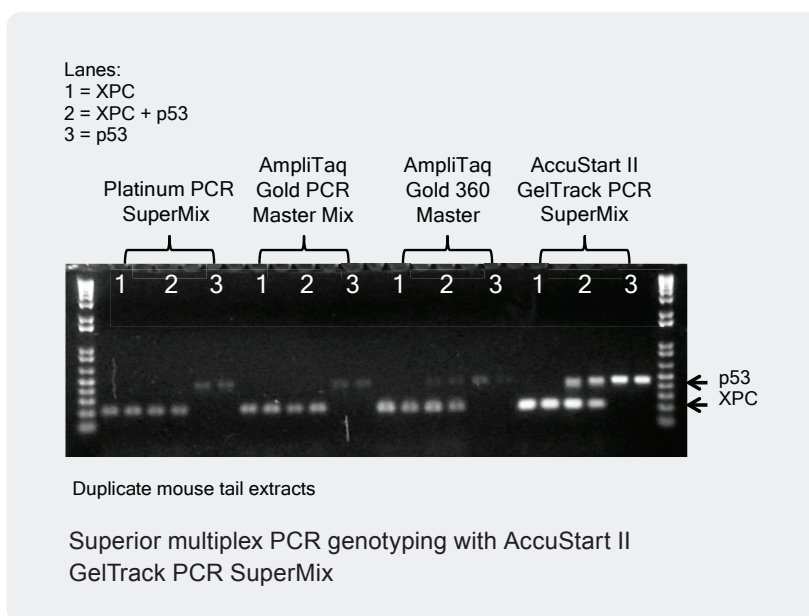
AccuStart Taq DNA Polymerase and AccuStart II PCR SuperMixes provide high specificity amplification for all PCR applications. The antibody mediated hot-start reaction enables specific and efficient primer extension in the PCR process with the added convenience of room temperature reaction assembly.

FEATURES AND BENEFITS

- High yield, high sensitivity
- Precise amplification—hot-start technology ensures specific and efficient primer extension
- GelTrack Loading Dye pre-mixed (GelTrack SuperMix only)
- Superior reproducibility and precision
- Convenient reaction assembly at room temperature

AccuStart II PCR SuperMix and GelTrack PCR SuperMix

AccuStart II PCR SuperMix is a 2X concentrated, ready-to-use reaction cocktail for routine PCR amplification of DNA fragments up to 4 kb. It contains all components, except primers and template. AccuStart II PCR SuperMix simplifies reaction assembly, improves assay reproducibility, and reduces the risk of contamination. A key component is AccuStart II Taq DNA polymerase which contains monoclonal antibodies that bind to the polymerase and keep it inactive prior to the initial PCR denaturation step. Upon heat activation (1 minute at 94°C), the antibodies denature irreversibly, releasing fully active, unmodified Taq DNA polymerase. This enables specific and efficient primer extension with the convenience of room temperature reaction assembly.



ORDERING INFORMATION

PRODUCT	Quanta Cat. No.	Pack Size
AccuStart Taq DNA Polymerase	95061-250	250 X 25 ul rxns
AccuStart Taq DNA Polymerase	95061-01K	1000 X 25 ul rxns
AccuStart Taq DNA Polymerase	95061-05K	5000 X 25 ul rxns
AccuStart II PCR SuperMix	95137-500	500 X 25 ul rxns
AccuStart II PCR SuperMix	95137-04K	4000 X 25 ul rxns
AccuStart II GelTrack PCR SuperMix	95136-500	500 X 25 ul rxns
AccuStart II GelTrack PCR SuperMix	95136-04K	4000 X 25 ul rxns

AccuStart II Mouse Genotyping

GENOTYPING WITH HIGH YIELD AND HIGH SPECIFICITY

The AccuStart II Mouse Genotyping Kit is designed for fast and easy preparation of PCR-ready DNA extracts and endpoint PCR analysis from tissues such as tail snips and ear punches commonly used for genotyping knockout and transgenic animals. The kit combines Extracta DNA Prep for PCR - Tissue with AccuStart II GelTrack™ PCR SuperMix in a single kit.



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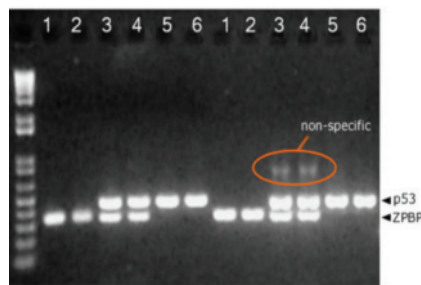
FEATURES AND BENEFITS

- Simple, fast protocol
- GelTrack Loading Dye pre-mixed
- Precise amplification—hot-start technology ensures specific and efficient primer extension
- High yield, high sensitivity
- Superior reproducibility and precision

AccuStart II Mouse Genotyping Kit

Extracta reagents allow rapid extraction of PCR ready DNA that can be used directly in PCR reactions eliminating time consuming or expensive purification steps. AccuStart II GelTrack PCR SuperMix has been optimized for genotyping applications that commonly utilize 3 or more primers in multiplex PCR reactions that allow amplification and analysis of two or more targets in a single reaction such as normal and mutant alleles of a gene knockout or that determine the presence or absence of transgene constructs in transgenic animals.

Extracta PCR Genotyping Kit K Mouse Genotyping Kit



Two mouse tail snips (2.5 mm) were extracted according to the recommended conditions for each kit. The volume of each extract was brought to 300ul and diluted 1/20 with TE buffer. 5ul of diluted extract was used in a 25ul PCR reactions.

Contents

- Extracta DNA Prep for PCR - Tissue, 2 x 25 mL Extraction Reagent and 2 x 25 mL Stabilization Buffer
- AccuStart II GelTrack PCR SuperMix (2X)
- 5 x 1.25 mL of 2X reaction mixture containing optimized concentrations of MgCl₂, dNTPs, AccuStart II Taq DNA Polymerase, AccuStart Taq antibodies, reaction buffer, stabilizers and gel loading dyes. To reorder individual components, please use the following catalog numbers: 95136-100 95136-500 95136-04K

ORDERING INFORMATION

PRODUCT	Quanta Cat. No.	Pack Size
AccuStart II Mouse Genotyping	95135-500	500 x 25 ul rxns

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