

Fast Direct Mouse Genotyping System

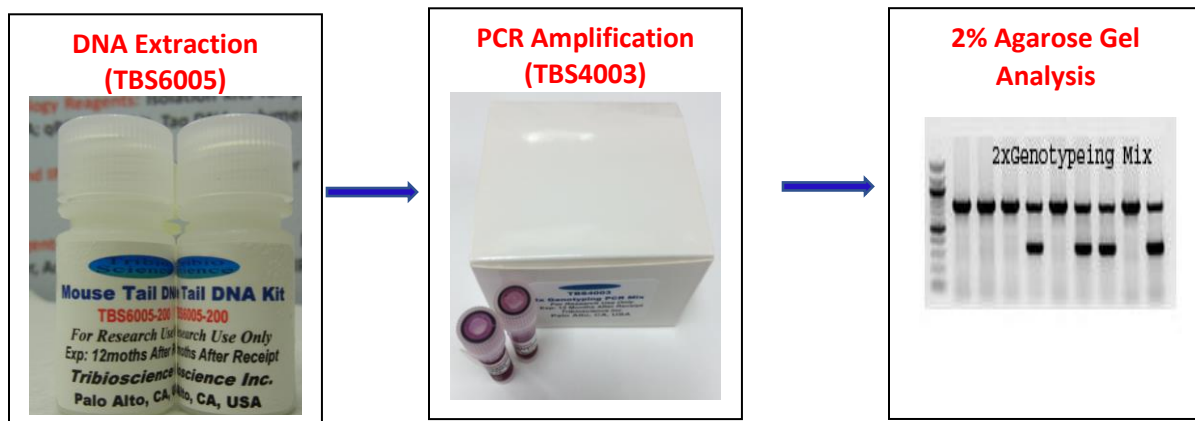
Brief Description

Fast Direct Mouse Genotyping System is designed for rapid extraction and amplification of genomic DNA from mouse tail/toe/ear punch and animal tissues. With this system, the extraction of genomic DNA is done by incubating the sample in Extraction Solution I at 68°C for 7 min and then diluted with water prior to PCR. An aliquot of the DNA extraction is mixed with a 2X Genotyping PCR Ready and user-selected primers to amplify target DNA. The 2X Genotyping PCR Ready Mix contains, dNTP, Taq polymerase, loading dye, Mg⁺⁺, stabilizer, and enhancers. It is specially optimized for use with the extracted DNA. TPCR products can be directly loaded onto agarose gels to visualize amplified target.

Features and Benefits

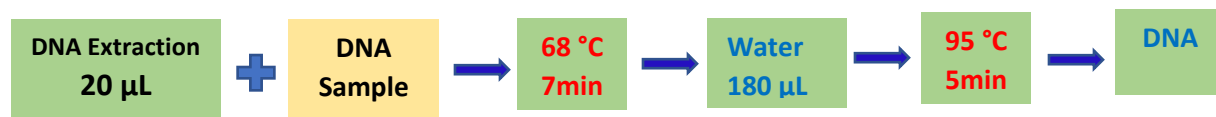
- Fast Protocol:** Genomic DNA ready for PCR in 12 min. No overnight digestion
- Multiplexing:** Strip tube for parallel processing
- Significant savings:** Cost-effective, no need to purify genomic DNA with expensive spin columns.
- Consistent results:** Very high success rate.

Fast Direct Mouse Genotyping System Content Diagram



Procedures

One Step DNA isolation from mouse tail or other tissues:



One Step PCR Amplification of DNA Template:

