

# PCRBIO Rapid Extract PCR Kit



- Fast
- Convenient
- Reliable

## Features

- Rapid, convenient, single-tube DNA extraction
- Produces high yield, PCR ready DNA in 15 minutes
- Minimised contamination risks and sample loss
- Maximised PCR speed, yield and specificity
- Powered by PCRBIO HS Taq Mix Red for direct gel loading
- Ideal for complex templates

## Applications

- Genotyping
- Transgene Detection
- Knockout Analysis
- Sequencing

## Samples

- Mouse tail clip and ear punch
- Animal tissue
- Hair follicle
- Buccal swab
- Mammalian blood
- FFPE tissue

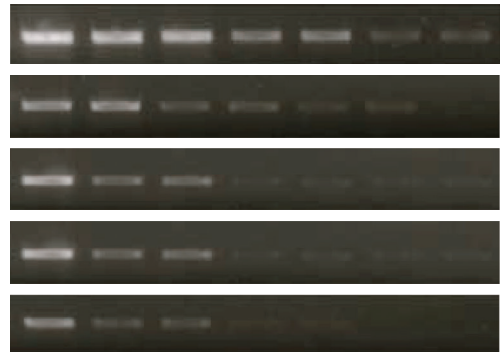


Figure 1. Mouse tail DNA rapid extraction comparison

PCRBIO Rapid Extract PCR Kit was used to extract DNA from 3mg of mouse tail clipping following the standard 15 minute protocol. The extraction was repeated using equivalent extraction kits from alternative manufacturers. A serial three-fold dilution series was made from each supernatant. PCRBIO HS Taq Mix Red was used to amplify a 1kb fragment of mouse GAPDH gene from each dilution. Results were compared by agarose gel electrophoresis. Row 1 shows results from PCR Biosystems, row 2 from Kapa Biosystems, row 3 from Bioline, row 4 from Sigma and row 5 from Fermentas.



**PCRBIO SYSTEMS**  
simplifying research



PCRBIOSYSTEMS

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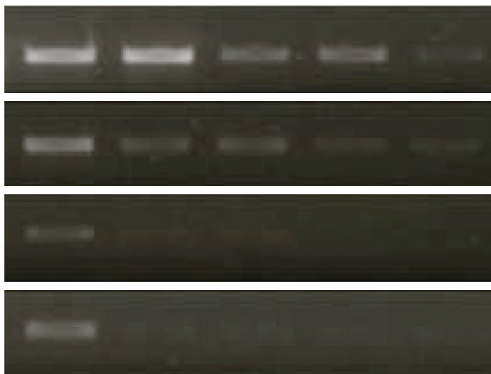
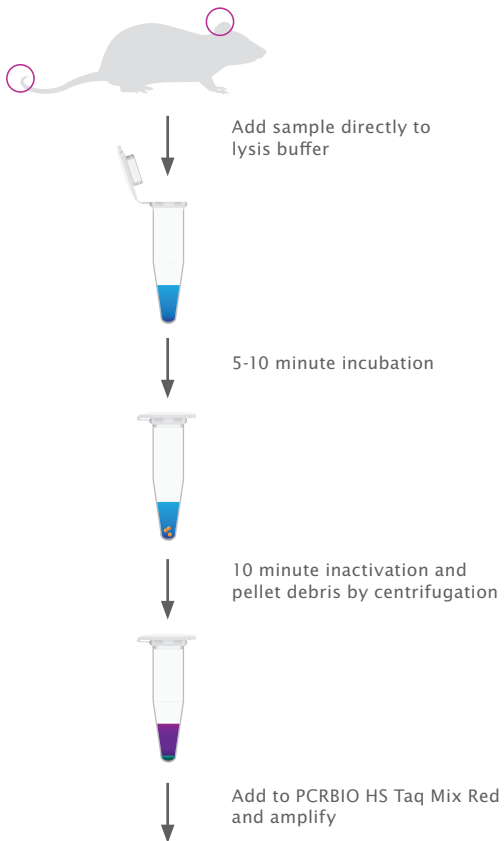


Figure 2. Mouse ear DNA rapid extraction and 2.5kb amplification using supplied PCR reagent

PCRBIOSYSTEMS Rapid Extract PCR Kit was used to extract DNA from 3mg of mouse ear clipping following the standard 15 minute protocol. The extraction was repeated using equivalent extraction kits from alternative manufacturers. A serial two fold dilution series was made from each supernatant. The supplied polymerase was used to amplify a 2.5kb fragment of the mouse Calnexin gene from each dilution. Results were compared by agarose gel electrophoresis. Row 1 shows results from PCR Biosystems, row 2 from Kapa Biosystems, row 3 from Bioline and row 4 from Sigma.

PCRBIOSYSTEMS Rapid Extract PCR Kit combines rapid DNA extraction with fast, highly specific DNA amplification in a convenient, easy to use format. Eliminate the need for laborious and time-consuming DNA extraction methods with this simple, integrated extraction and amplification PCR kit powered by the latest advances in hot-start polymerase technology.

PCRBIOSYSTEMS Rapid Extract PCR Kit has been developed for fast, efficient amplification of DNA from a variety of tissues and is particularly suited to solid tissue such as mouse tail or mouse ear. Sample processing is simplified and contamination risks minimised as DNA extraction is performed in a single tube, removing the need for multiple washing steps.

Extracted DNA is amplified in a proprietary buffer system using PCRBIOSYSTEMS HS Taq DNA Polymerase. Our antibody hot-start polymerase uses the latest developments in polymerase technology and buffer chemistry to enhance PCR speed, yield and sensitivity. Primer-dimer formation and non-specific amplification are prevented giving superior specificity ideal for complex templates such as mammalian genomic DNA.

Catalogue Number	Product Name	Pack size	Presentation
PB10.24-08	PCRBIOSYSTEMS Rapid Extract PCR Kit	80 reactions	PCRBIOSYSTEMS HS Taq Mix Red 2 x 1ml, Buffer A 1 x 1.6ml, Buffer B 1 x 0.8ml
PB10.24-40	PCRBIOSYSTEMS Rapid Extract PCR Kit	400 reactions	PCRBIOSYSTEMS HS Taq Mix Red 10 x 1ml, Buffer A 5 x 1.6ml, Buffer B 5 x 0.8ml