Jan 29, 2020 Version 1

Mouse Genotyping with KAPA Kit in 2 hours (#KK7302) V.1

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Protocol status: Working
We use this protocol and it's working

Created: January 29, 2020

Last Modified: January 29, 2020

Protocol Integer ID: 32461

DNA Extraction

30m

1 Collect mouse tissues (ear or tail clips) into PCR strips.

2 Make 100 µL extration buffer mix for each sample.

10x Extraction buffer	10 ul
H2O	88 ul
Extraction Enzyme	2 ul
Total	100 ul

3 Add 100 µL buffer into each tissue sample and run the reaction as follows:

75 °C 00:15:00
95 °C 00:05:00
4 °C 00:00:00

Note

Tissues are visible or intact after extraction (this is normal).
Vortex DNA extract and spin down before PCR.

PCR

30m

4 Make 20 µL PCR master mix for each sample.

2x PCR buffer	10 ul
H2O	8 ul
10 uM Primers mix	1 ul
DNA	1 ul
Total	20 ul

5 Run the reaction as follows:

95 °C 00:03:00

35 cycles
95 °C 00:00:15
57 °C adjustable 00:00:15
72 °C 00:00:10 per kb
35 cycles
4 °C 00:00:00

Run DNA Gel

30m

6 Take 10 µL PCR reaction and run DNA gel.