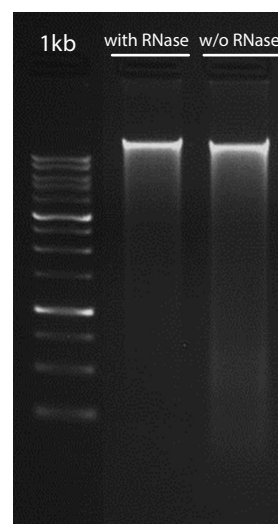
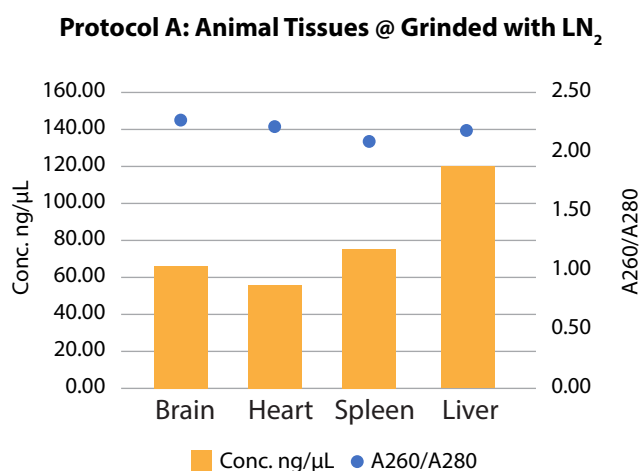




PrimeWay Genomic DNA Extraction Kit (KIT-9020-10/50/250)

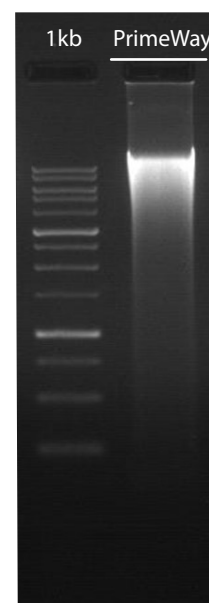
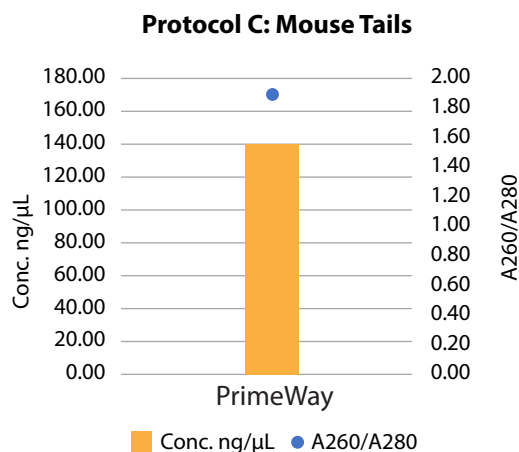
PrimeWay Genomic DNA Extraction Kit is a rapid and reliable kit that isolates highly pure genomic DNA from human/ animal tissue, cultured cells, mouse/ rat tails, bacteria, yeast/ fungi, dried blood spots, blood, buffy coat, insects as well as buccal swabs. It uses a silica-based spin column and is suitable to isolate and purify DNA with approximate 20 minutes/prep. This handling time is yet to include the lysis steps in, which the duration varies according to sample type. The quality of the purified DNA is suitable for PCR, restriction analysis and Southern blotting etc. The extraction protocol for buffy coat is suitable for Next-Generation Sequencing.

Performance Review I (Animal Tissue - Mouse)



Mouse organs are harvested and snap-frozen in liquid nitrogen. Tissues are homogenized in liquid nitrogen for DNA extraction using Protocol A. Gel image shows DNA extracted from mouse liver with 1 hour lysis, and treated with and without (w/o) RNase A.

Performance Review II (Mouse Tail)



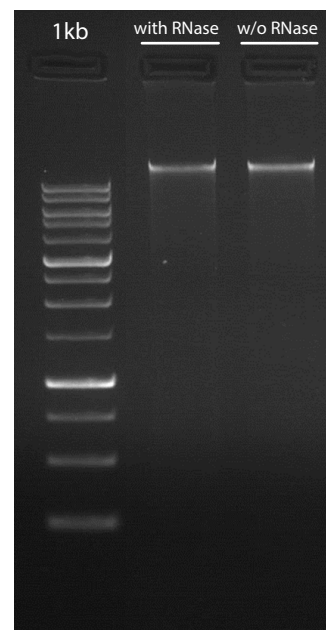
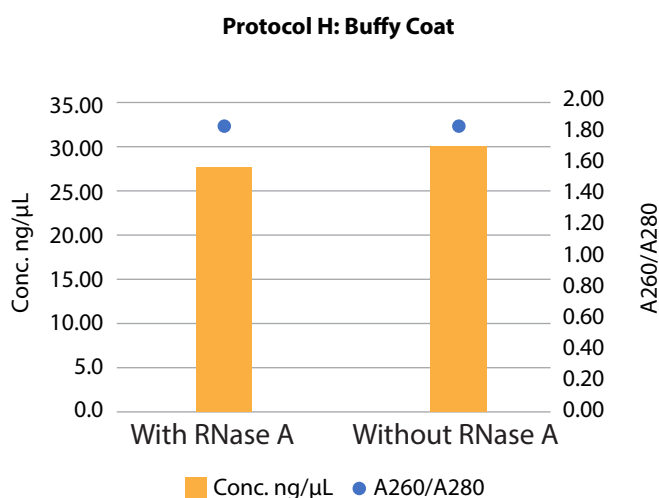
Mouse tail DNA is extracted using Protocol C from PrimeWay Genomic DNA Extraction Kit. Sample homogenization is not required in this extraction.



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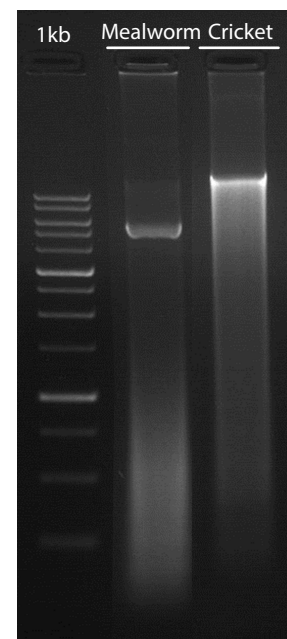
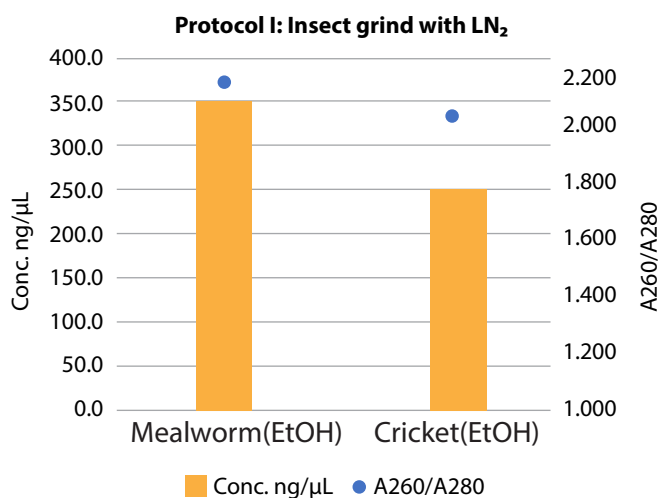
PrimeWay Genomic DNA Extraction Kit (KIT-9020-10/50/250)

Performance Review III (Buffy Coat)



Buffy coat is collected from fresh blood and extracted using Protocol H from PrimeWay Genomic DNA Extraction Kit. Gel image shows DNA extracted from fresh blood, treated with and without (w/o) RNase A.

Performance Review IV (Insect)



Insects submerged in 5x volume of ethanol are homogenized with liquid nitrogen (LN₂). The DNA from insects is extracted using Protocol I of PrimeWay Genomic DNA Extraction Kit with 1 hour lysis incubation time.



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