

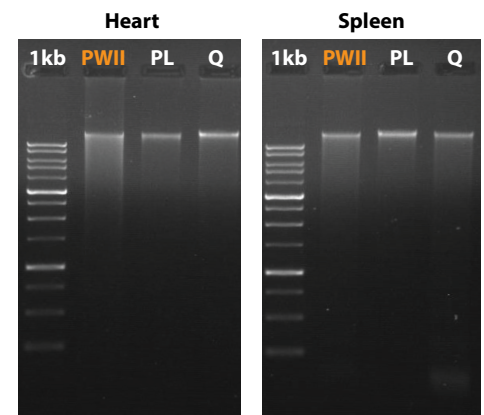
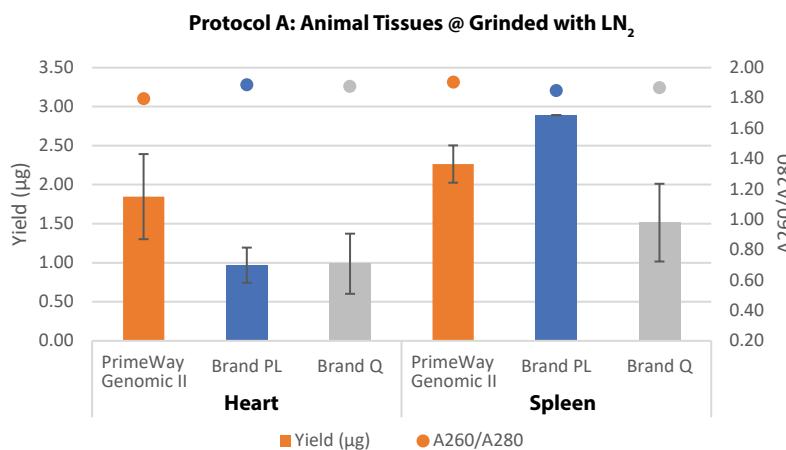
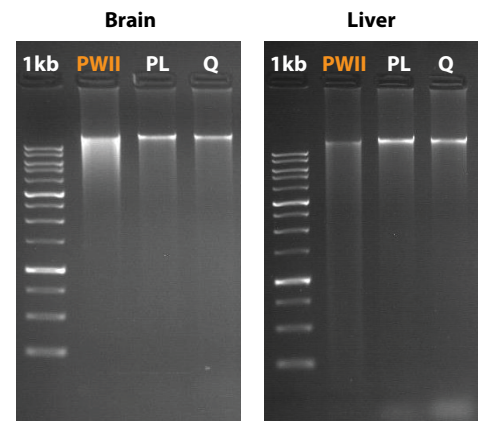
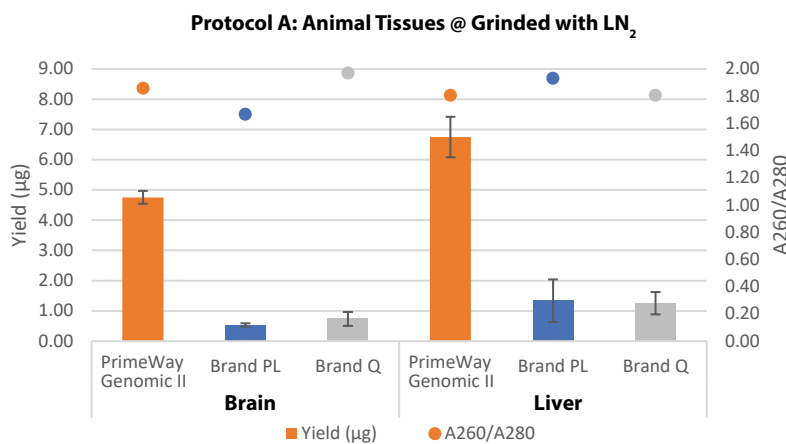


PrimeWay Genomic II DNA Extraction Kit
(KIT-9022-10/50/250)

The **PrimeWay Genomic II DNA Extraction Kit** is a spin-column based purification system designed to efficiently isolate high-quality DNA. This comprehensive kit includes unique buffers and reagents that enable users to work with **16 different sample types** in the laboratory. All components of the kit are produced and tested in accordance with stringent quality standards.

The DNA extracted using this kit is well-suited for various downstream applications, such as genotyping, PCR, restriction analysis, Southern blotting, and more. Additionally, the kit has been **validated for use with Next Generation Sequencing (NGS) platforms** for 7 specific sample types: cultured cells, bacteria, yeast, whole blood, buffy coat, nucleated blood, and white blood cells.

Performance Review I (Animal Tissue - Mouse)

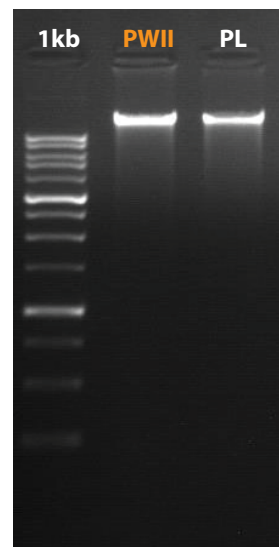
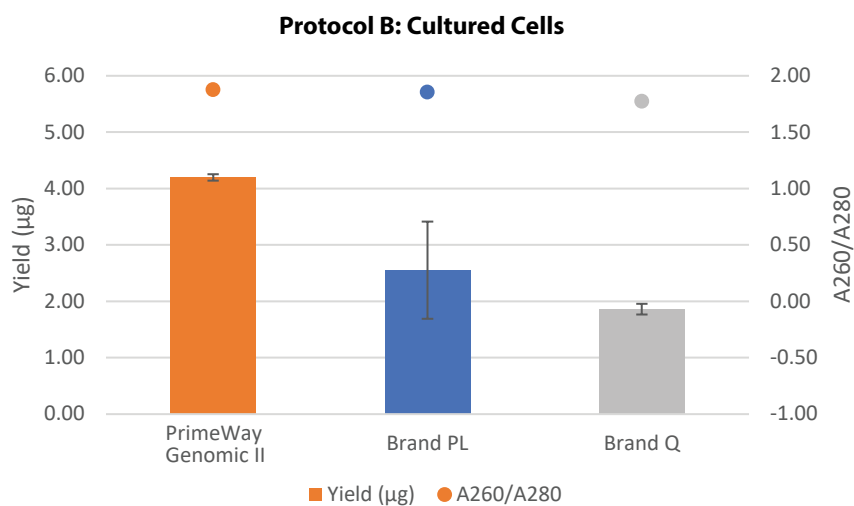


DNA extracted from 10 mg mouse spleen and 25 mg mouse brain, heart and liver using Protocol A. 50 ng of extracted DNA are analysed with 1% agarose gel.



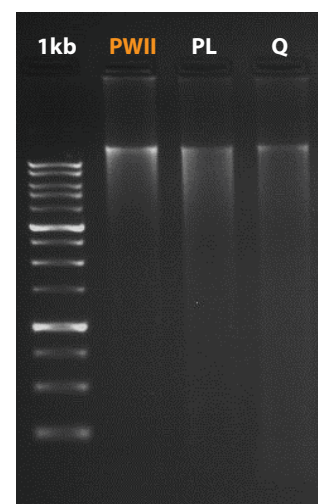
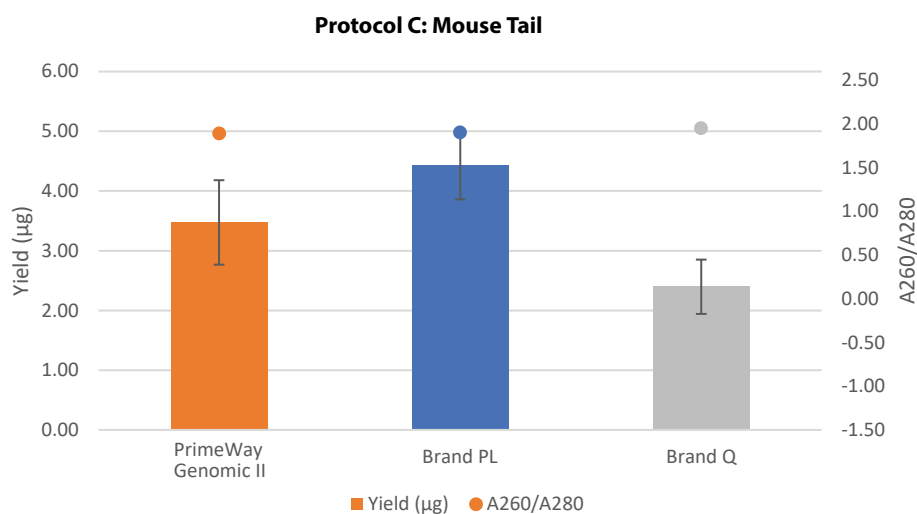
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Performance Review II (Cultured Cells)



DNA extracted from 1×10^6 human fibroblast cells using Protocol B. 50 ng of extracted DNA from human fibroblast cells are analysed with 1% agarose gel.

Performance Review III (Mouse/Rat Tails)

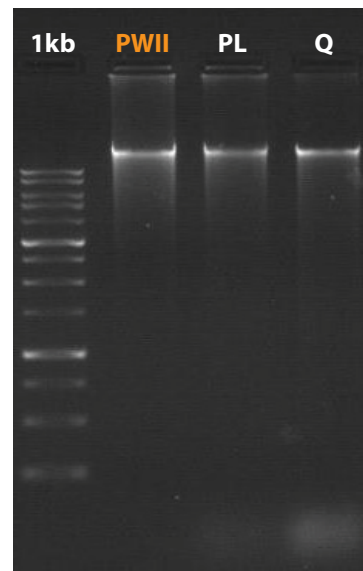
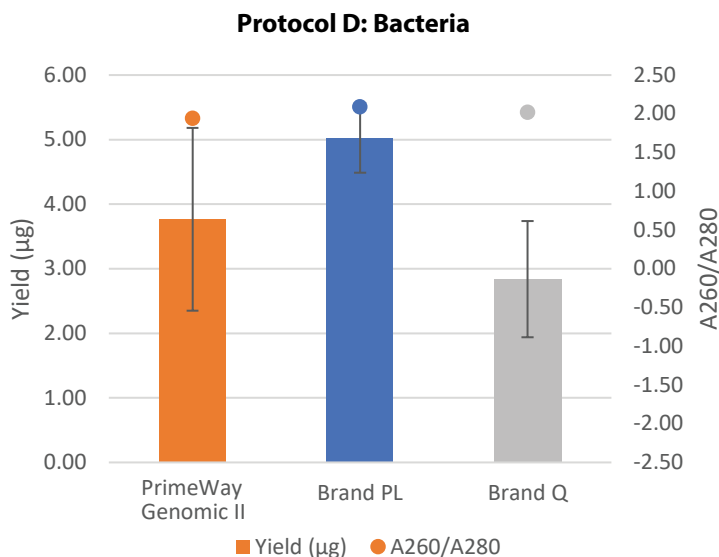


DNA extracted from 0.5 cm mouse tail using Protocol C. 50 ng of extracted DNA from mouse tail are analysed with 1% agarose gel.



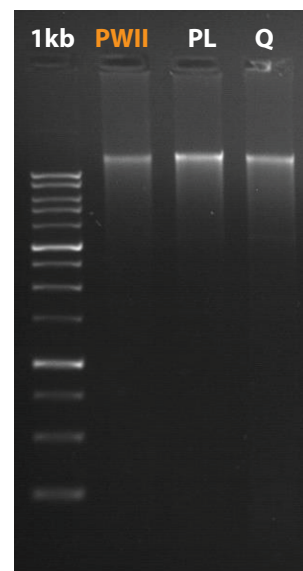
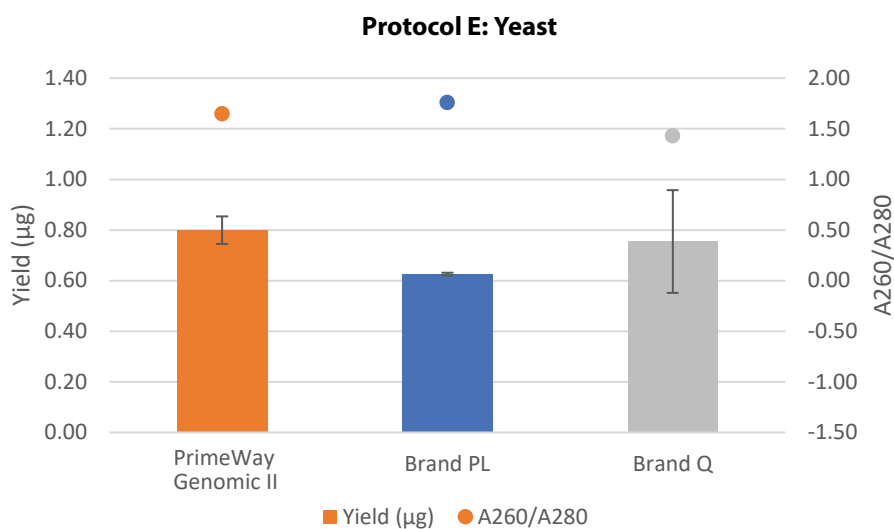
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Performance Review IV (Bacteria)



DNA extracted from 20 mg *E. coli* cell pellet using Protocol D. 50 ng of extracted DNA from *E. coli* are analysed with 1% agarose gel.

Performance Review V (Yeast)

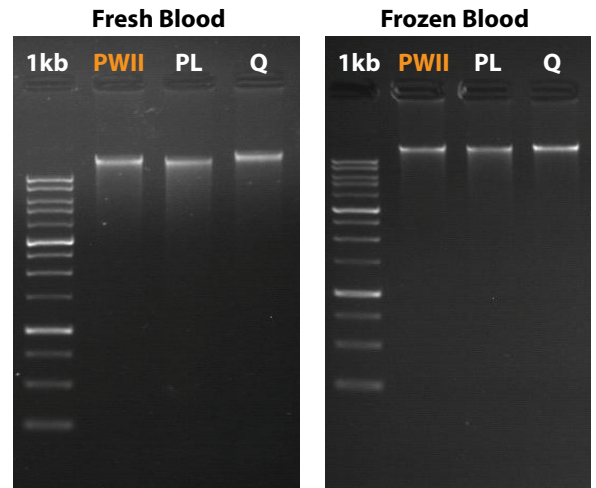
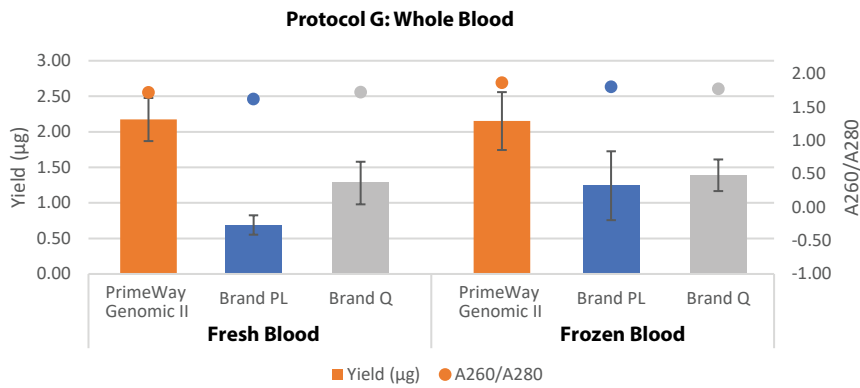


DNA extracted from 30 mg yeast using Protocol E. 50 ng of extracted DNA from yeast are analysed with 1% agarose gel.

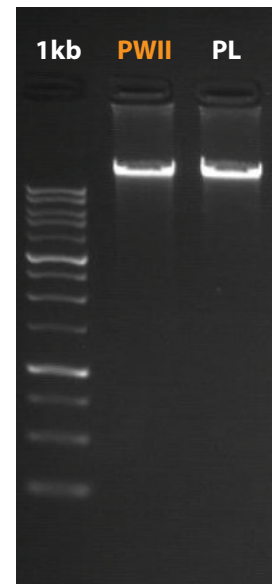
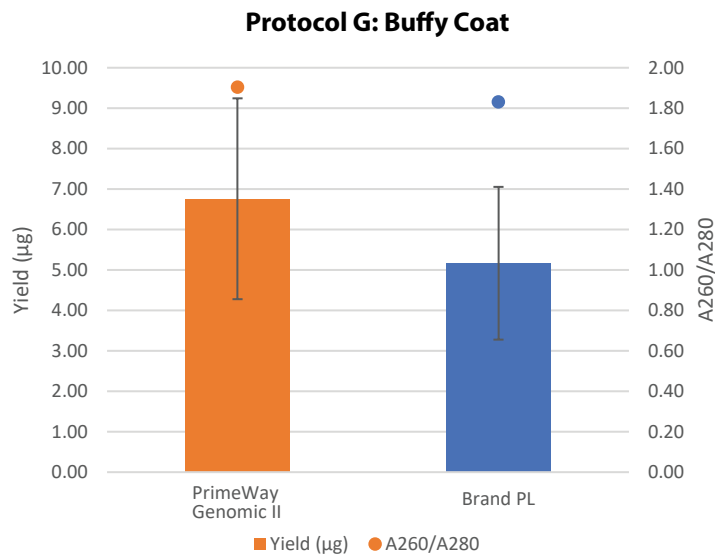


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Performance Review VI (Whole Blood/ Buffy Coat)



DNA extracted from 200 µL human whole blood using Protocol G. 50 ng of extracted DNA are analysed with 1% agarose gel.



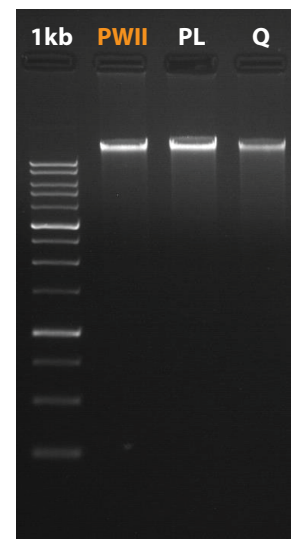
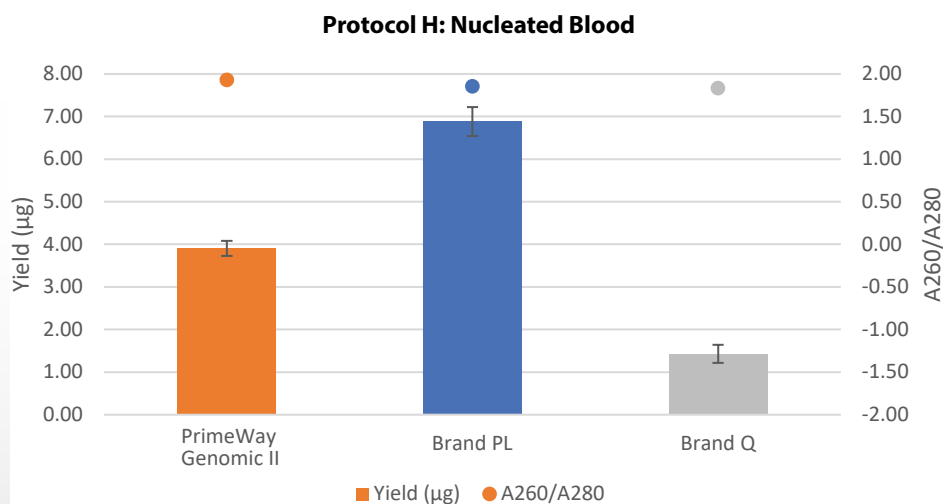
DNA extracted from buffy coat using Protocol G. The buffy coat is collected from 3 mL fresh human blood. 50 ng of extracted DNA from buffy coat are analysed with 1% agarose gel.



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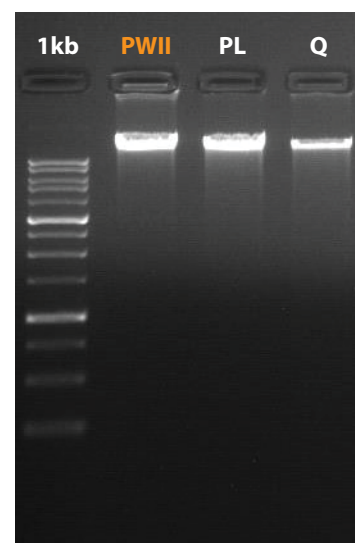
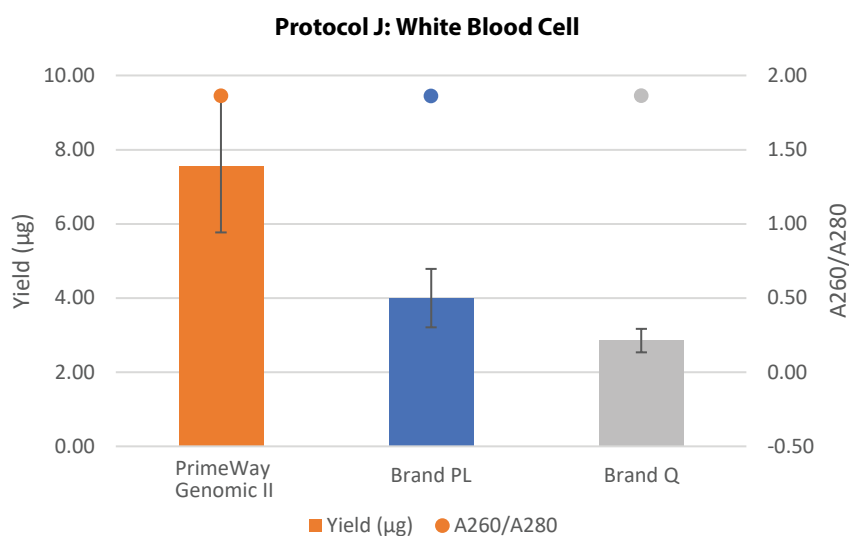
Performance Review VII (Nucleated Blood)

Nucleated RBC (NRBC) is red blood cell that contains nucleus. All invertebrate organisms have nucleated blood except mammals. In mammals, no nucleus in the RBC except camelids (e.g., camel & lama) or blood disease (leukemia & anemia). Example of NRBC: bird, fish, frog



DNA extracted from 10 µL frozen fish blood using Protocol H. 50 ng of extracted DNA from frozen fish blood are analysed with 1% agarose gel.

Performance Review VIII (White Blood Cells)

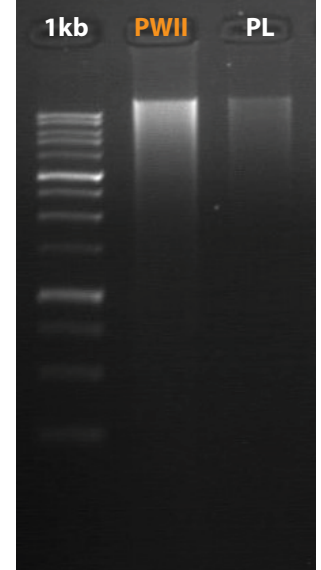
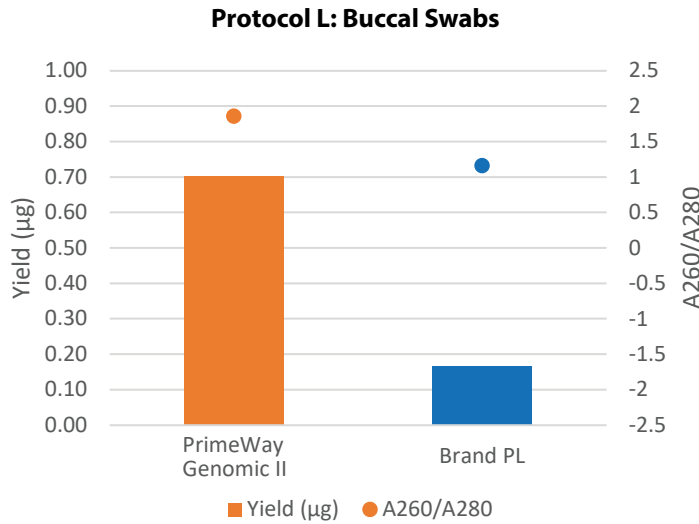


DNA extracted from white blood cells using Protocol J. The white blood cells were obtained from 1 mL whole blood. 50 ng of extracted DNA from 1 mL whole blood of white blood cells are analysed with 1% agarose gel.



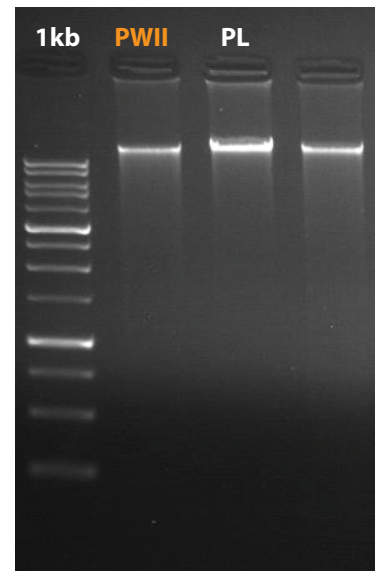
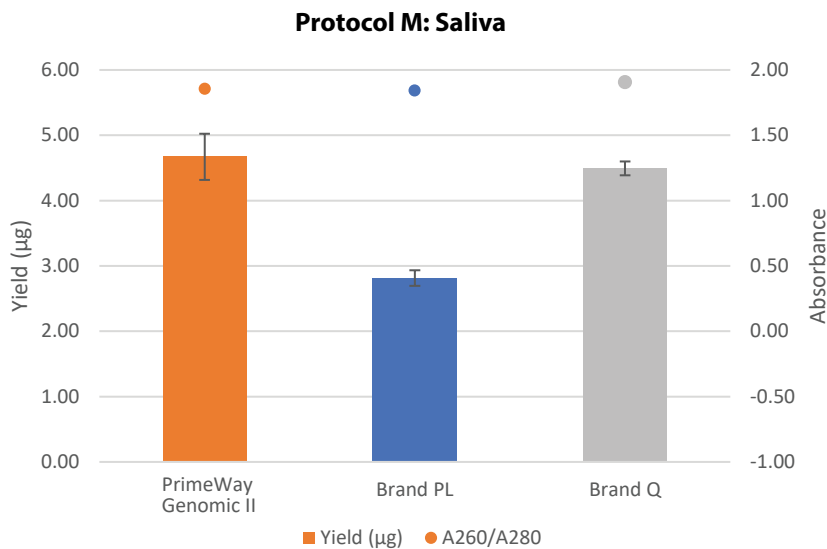
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Performance Review IX (Buccal Swabs)



DNA extracted from 1 swab using Protocol L. 50 ng of extracted DNA from buccal swab are analysed with 1% agarose gel.

Performance Review X (Saliva)

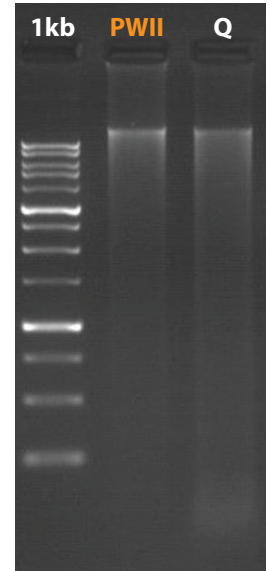
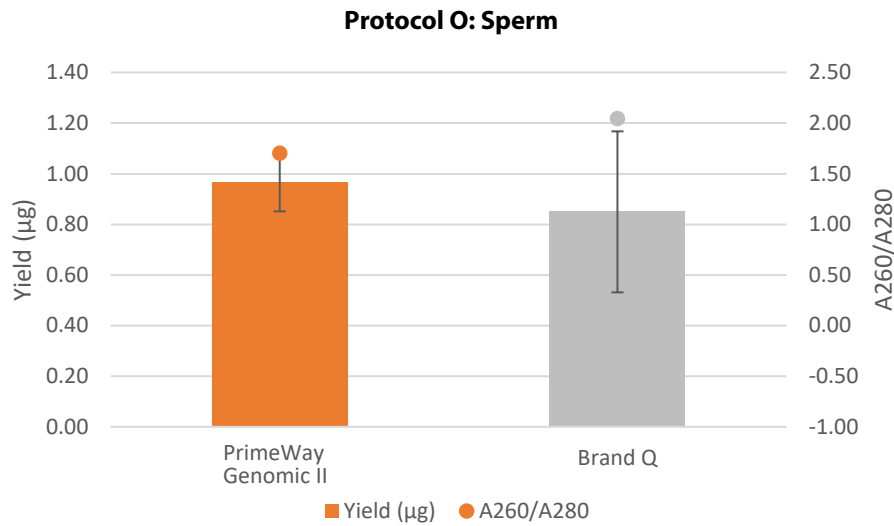


DNA extracted from 1 mL human saliva using Protocol M. 50 ng of extracted DNA from saliva are analysed with 1% agarose gel.



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Performance Review XI (Sperm)



DNA extracted from 100 µL human sperm using Protocol O. 50 ng of extracted DNA from human sperm are analysed with 1% agarose gel.



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