

Genomic DNA Isolation From Blood

High Throughput DNA Isolation Kits

Aurora's magnetic Blood DNA isolation kits are engineered to provide rapid and reliable genomic DNA isolation. All of our kits use a 10-150µl blood sample for either manual or automated sample processing. Utilizing our magnetic Binding paramagnetic beads, pure DNA is selectively bound to the paramagnetic bead particles, and impurities are efficiently removed by a series of quick wash steps. The resulting high quality DNA is eluted with elution buffer or DEPC water. Purified DNA is then ready for use in downstream applications such as PCR, qPCR, enzymatic digestions, etc.

Sample Preparation Workflow

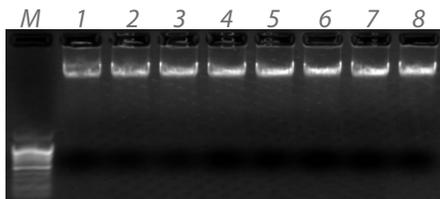
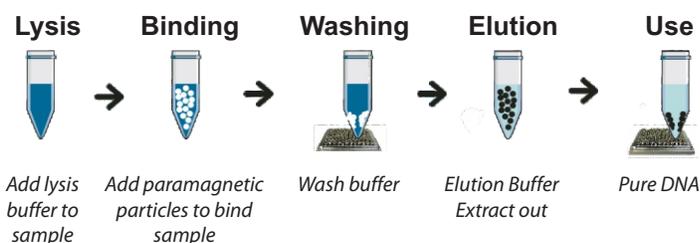


Figure 1. Gel electrophoresis of gDNA isolated from eight blood samples using Aurora's Versa 1100 liquid handling workstation

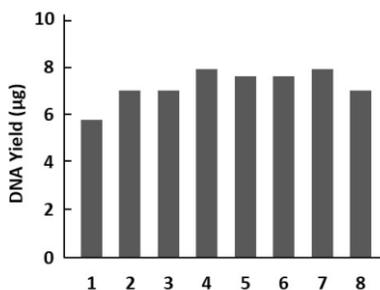


Figure 2. DNA yields from eight 150µl whole blood samples

Description	Prep size	Cat. number
AB Magpure Blood DNA Isolation Kit	96	MD3511-02(96)
AB Magpure Blood DNA Isolation Kit	4x 96	MD3511-03(4*96)

BENEFITS

- High Purity - DNA can be used for most downstream applications
- Safe - No phenol/chloroform extraction
- Quality - Complete removal of contaminants and inhibitors
- Reliable - Consistent yields at unsurpassed quality
- Automation - Manual protocols can easily be adapted for use on robotic workstations, including Aurora's VERSA™ Series
- Cost effective

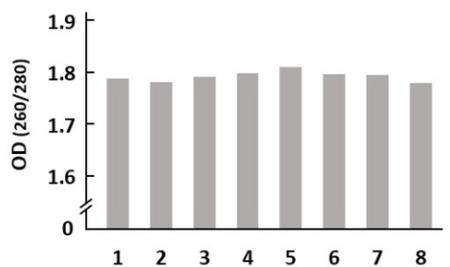


Figure 3. Abs. 260/280nm readings for eight gDNA samples eluted using Aurora's elution buffer. Readings determined using a Qubit 3.0

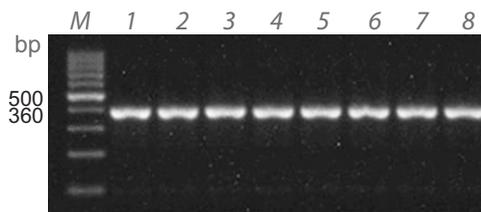


Figure 4. β-actin amplicons (360 bp) generated using the eight gDNA isolates as PCR template