

**Table 1. Average DNA yields and purities of six parallel samples per tissue type**

Tissue	Amount	Purity*	DNA yield (μg)
Bovine			
Muscle	40 mg	1.87 \pm 0.01	9.0 \pm 0.1
Heart	20 mg	1.87 \pm 0.00	12.2 \pm 0.6
Spleen	10 mg	1.88 \pm 0.01	27.9 \pm 1.1
Lung	10 mg	1.87 \pm 0.01	17.0 \pm 1.0
Kidney	10 mg	1.88 \pm 0.00	18.4 \pm 0.45
Mouse			
Tail clips	2 mm	1.88 \pm 0.01	18.4 \pm 1.4

* Corrected for background at 320 nm.

High-Quality Genomic DNA

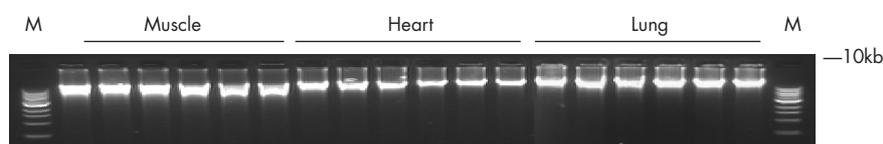


Figure 1. MagAttract purified bovine genomic DNA from muscle, heart, and lung tissues. A 10 μl aliquot (5%) of the elution volume is visualized using a 0.8% agarose gel. **M:** 1 kb marker.

Consistent PCR

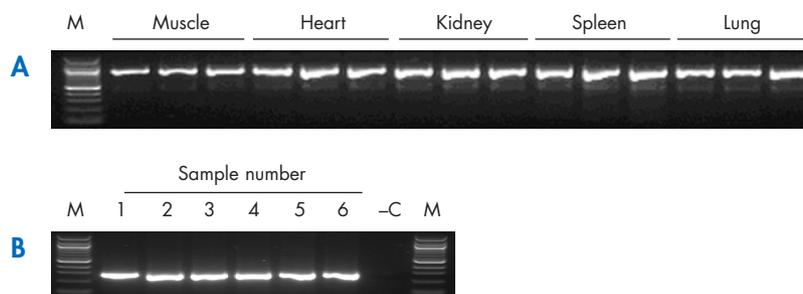


Figure 2. A: PCR of the bovine obesity single-copy gene (850 bp fragment) from DNA isolated from tissues indicated in the figure. **M:** 100 bp ladder (100 ng). A 10 μl aliquot (5%) of each PCR was visualized by agarose gel electrophoresis. **B:** PCR of GAPDH using MagAttract purified DNA from six mouse tails. **M:** 100 bp marker; **-C:** negative control.



Conclusions

Using MagAttract magnetic particle purification technology with the BioRobot M48 workstation ensures:

- Consistent yields of high-quality DNA that performs consistently well in sensitive downstream applications such as PCR
- Genomic DNA is reliably purified from multiple types of tissue sample using a single purification kit and a single robotic workstation

Contact QIAGEN today and discover how reliable DNA preps from different tissues will benefit your lab!

Ordering Information

Product	Contents	Cat. No.
BioRobot M48 workstation	Robotic workstation for automation of magnetic-particle purification technology	9000708
MagAttract DNA Mini M48 Kit (192)*	MagAttract Suspension and reagents for purification of genomic DNA from up to 200 µl tissue lysates and other samples using the BioRobot M48 workstation	953336

The BioRobot M48 is intended as microtiter diluting and dispensing device. No claim or representation is intended for its use in identifying any specific organism or for a specific clinical use (diagnostic, prognostic, therapeutic, or blood banking). It is the user's responsibility to validate the performance of the BioRobot M48 for any particular use, since its performance characteristics have not been validated for any specific organism. The BioRobot M48 may be used in clinical diagnostic laboratory systems after the laboratory has validated their complete system as required by CLIA '88 regulations in the U.S. or equivalents in other countries.

* *MagAttract Kits are intended as general-purpose devices that may be used in clinical diagnostic laboratory systems after the laboratory has validated their complete system as required by CLIA '88 regulations in the U.S. or equivalents in other countries.*

