**Table 1. Reproducible yields of high purity DNA**

Tissue	Sample	Average DNA purity*	Average DNA yield (µg)
Bovine:			
Muscle	40 mg	1.87 ±0.00	10.9 ±0.3
Heart	20 mg	1.88 ±0.01	12.3 ±0.5
Spleen	10 mg	1.87 ±0.01	22.6 ±1.0
Lung	10 mg	1.86 ±0.01	18.6 ±1.5
Liver	10 mg	1.87 ±0.01	20.5 ±1.6
Kidney	10 mg	1.89 ±0.05	6.9 ±0.4
Mouse:			
Tail clips	2 mm	1.89 ±0.01	10.1 ±0.5

Purity and yield data represent averages from 6 replicates.

* A_{260}/A_{280} corrected for background at 320 nm.

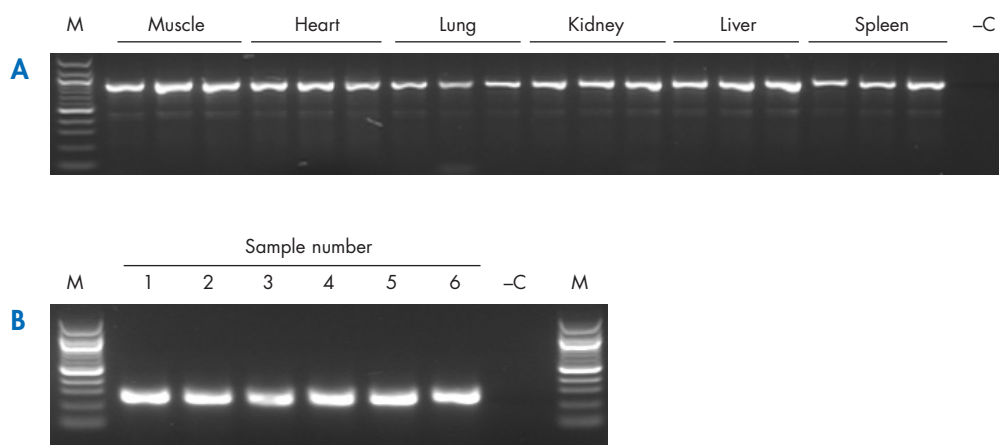
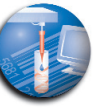
Consistent PCR Results

Figure 1. A: PCR of the bovine obesity single-copy gene (850 bp fragment) using EZ1-purified DNA from bovine tissues. **B:** PCR of GAPDH (266 bp fragment) using EZ1-purified DNA from six mouse tails. A 2.5 µl aliquot (5%) of each PCR was visualized by agarose gel electrophoresis. **M:** 100 bp marker; **-C:** negative control.

Conclusions

Using the BioRobot EZ1 System to purify genomic DNA from tissue samples ensures:

- n Consistent yields of high-quality DNA that perform well in sensitive downstream applications such as PCR
- n 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 easy it is to get reproducible DNA preps from multiple tissue types.

Ordering Information

Product	Contents	Cat. No.
BioRobot EZ1	Robotic workstation for easy, automated purification of nucleic acids	9000705
EZ1 DNA Tissue Kit (48) *	48 Reagent Cartridges (Tissue), 50 Disposable Tip Holders, 50 Disposable Filter-Tips, 50 Sample Tubes (2.0 ml), 50 Elution Tubes (1.5 ml), Buffer G2, QIAGEN Proteinase K	953034
EZ1 DNA Tissue Card	Pre-programmed card for the BioRobot EZ1 DNA Tissue Protocol	9015588

For up-to-date licensing information and product-specific disclaimers, see the respective QIAGEN kit handbook or user manual. QIAGEN kit handbooks and user manuals are available at www.qiagen.com or can be requested from QIAGEN Technical Services or your local distributor.

