

Mag-Bind® DNA/RNA Kit

High-throughput DNA and RNA isolation from cultured cells & tissues using magnetic beads



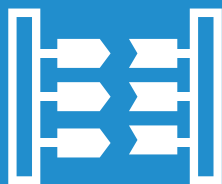
Sequential DNA/RNA Extraction

DNA and RNA purification into two fractions



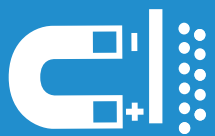
Preservative Compatibility

Compatible with DNA/RNA Shield™ and RNAlater™



NGS-Quality

High-quality DNA and RNA with high DIN and RIN scores



Automation-Ready

Automatable on open liquid handlers and most magnetic processors

Mag-Bind® DNA/RNA Kit is designed for simultaneous purification of DNA and RNA from up to 1×10^6 cells and up to 10 mg tissue samples into two separate eluates from the same sample. The Kit is also capable of purification of the miRNA fraction following an optional protocol. Extraction of DNA and RNA from the same sample allows for comprehensive molecular analysis since there is no need for sample splitting.

COMPARABLE DNA AND SUPERIOR RNA YIELDS VS COMPETITOR

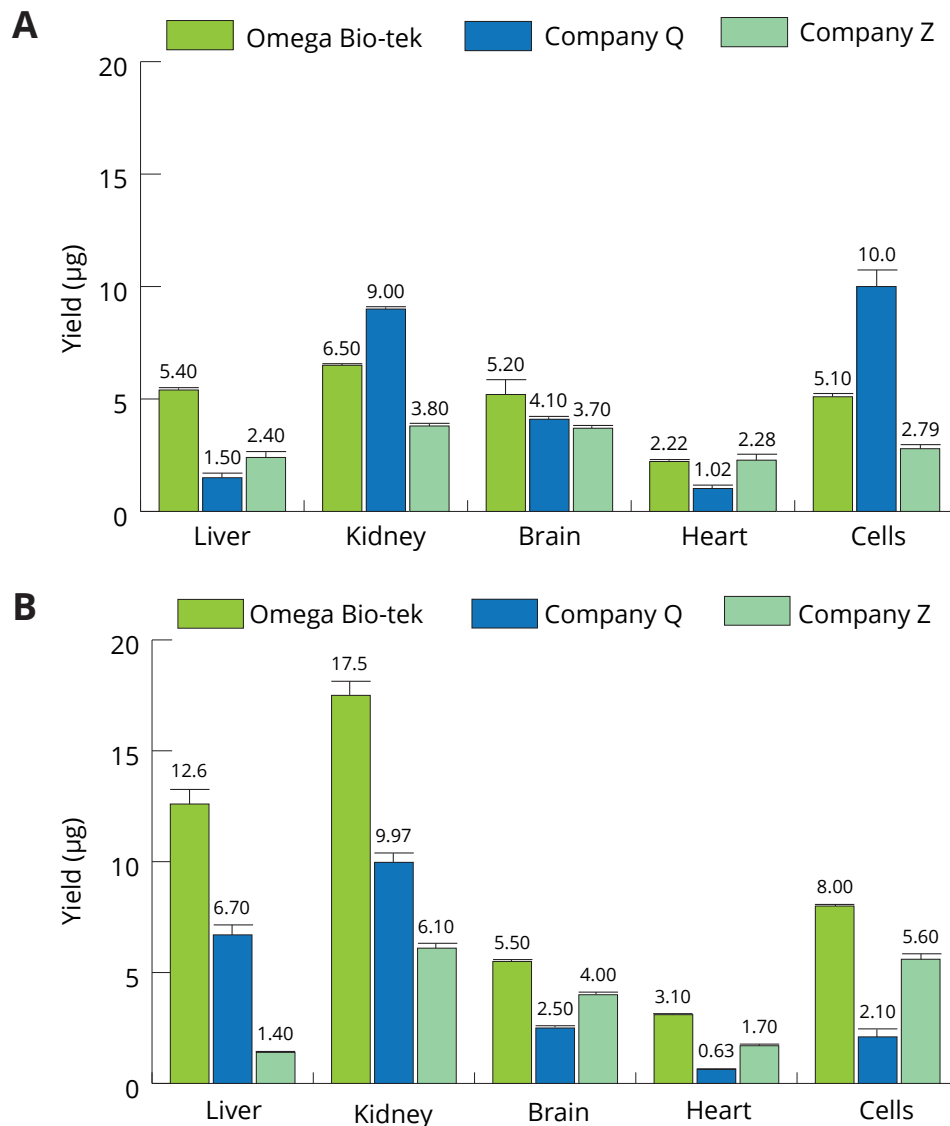


Figure 1. DNA (A) and RNA (B) were extracted from 5 mg of 4 different tissue types (n = 3) and one million AD293 cells using Mag-Bind® DNA/RNA Kit and comparable kits from Company Q and Company Z. Yields were measured by UV spectrophotometry. DNA yield was comparable where as the RNA recovery was higher for all the samples tested compared to kits from Company Q and Company Z.



innovations in nucleic acid isolation

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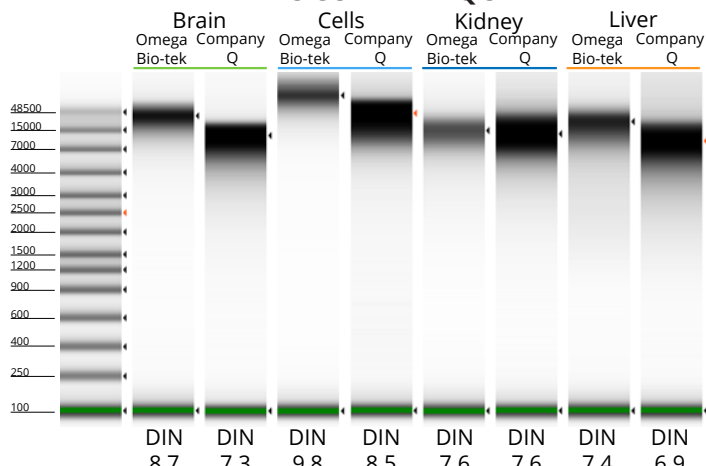


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Mag-Bind® DNA/RNA Kit

High-throughput DNA and Total RNA isolation from cultured cells & tissues using magnetic beads

A SUPERIOR DINs AND HIGH MOLECULAR WEIGHT DNA VS COMPANY Q'S KIT



B HIGH-QUALITY RNA VS COMPANY Q'S KIT

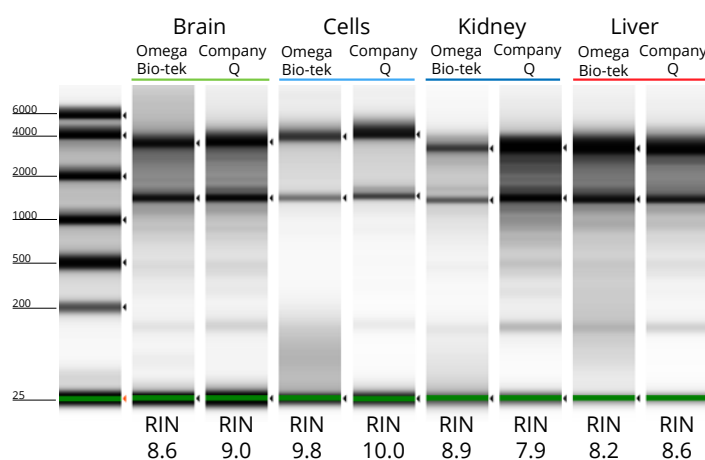


Figure 2. TapeStation® analysis of purified DNA (A) and RNA (B) from 10 mg of different tissue types and 1x10⁶ AD293 cells using Omega Bio-tek's Mag-Bind® DNA/RNA Kit and Company Q's kit. Omega Bio-tek's kit resulted in high molecular weight DNA as well as higher DIN score underscoring superior quality DNA compared to Company Q. RIN scores were comparable for both kits. DIN=DNA Integrity Number, RIN=RNA Integrity Number.

miRNA PURIFICATION USING OPTIONAL PROTOCOL

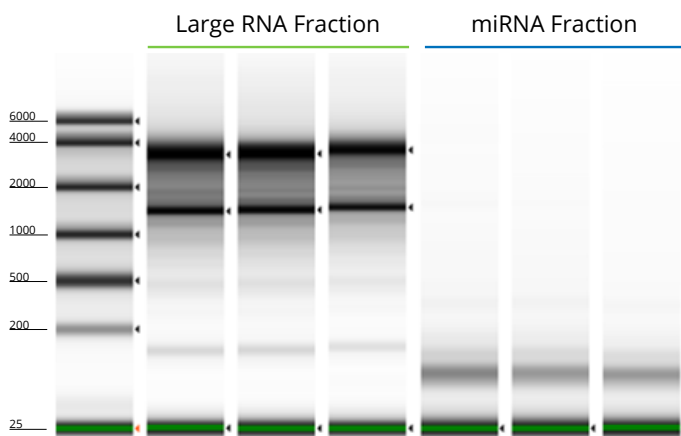


Figure 3. TapeStation analysis of RNA purified from 10 mg liver following the optional miRNA purification protocol mentioned in the product manual. TapeStation analysis confirms purification miRNA and large RNA following the miRNA purification protocol.

COMPATIBILITY WITH COMMON PRESERVATION SOLUTIONS

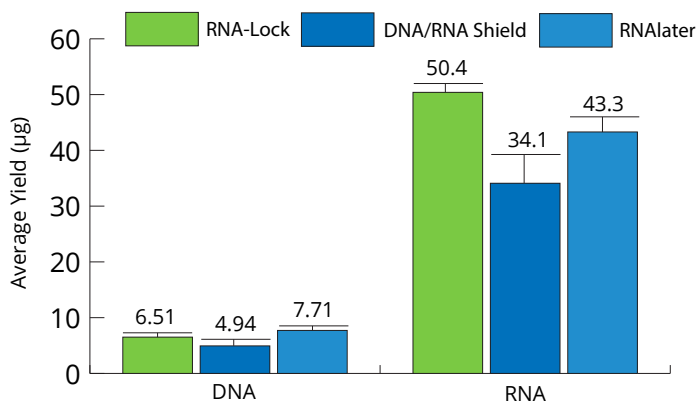


Figure 4. DNA and RNA was extracted from 10 mg murine liver tissue preserved in either RNA-Lock Reagent, DNA/RNA Shield or RNAlater. DNA and RNA was eluted in 100 µL. The results corroborate the compatibility of Mag-Bind DNA/RNA Kit with various tissue storage and preservation solutions on the market.

Product Description	Size	Cat No.
Mag-Bind® DNA/RNA Kit	1 x 96	M6932-00
	4 x 96	M6932-01