

E.Z.N.A.[®] Total RNA Kit I

Rapidly isolates up to 100 µg of total RNA from cultured cells, etc.

CAT NO: R6834



Rapid

RNA isolation in 20 minutes or less



Versatile

Columns designed for spin and vacuum processing



Quality

High-quality RNA suitable for downstream applications



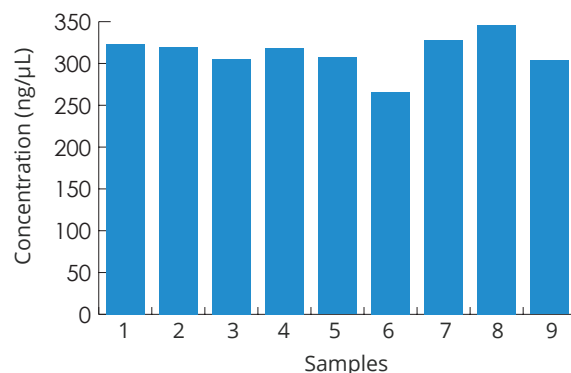
Safe

No organic extractions

E.Z.N.A.[®] Total RNA Kit I provides a simple and rapid method for the isolation of up to 100 µg total RNA from cultured eukaryotic cells and soft tissues. This kit enables simultaneous processing of multiple samples in less than 20 minutes. Typically, up to 1×10^7 eukaryotic cells or 30 mg tissue can be used in a single reaction. Many different sample types can be used, including kidney, liver, heart, spleen, lung, pancreas, thymus, HeLa cells, HEK-293 cells, and HINT3T3 cells. Purified RNA can be used in many downstream applications such as RT-PCR, qRT-PCR, Northern blotting, nuclease protection assay, microarrays, *in-vitro* translation, and Next Generation Sequencing.

Total RNA Extraction Concentrations with E.Z.N.A.[®] Total RNA Kit I

Figure 1. Total RNA was isolated from 2.5×10^6 HEK-293 cultured cells with the E.Z.N.A.[®] Total RNA Kit I with an elution volume of 50 µL. RNA concentrations were quantified with Thermo Scientific's NanoDrop[®] 2000c.



Source	Sample Size	RNA Yield (µg)
Brain	10 mg	10
Kidney	10 mg	30
Liver	10 mg	45
Heart	10 mg	5
Spleen	10 mg	33
Lung	10 mg	12
Pancreas	10 mg	40
Thymus	10 mg	20
IC-21	1 x 10 ⁶ cells	12
HeLa	1 x 10 ⁶ cells	15
HEK-293	1 x 10 ⁶ cells	10
HIN3T3	1 x 10 ⁶ cells	15

Expected RNA Yield from Various Samples

Table 1. Expected RNA yields from mouse tissue samples and cultured cell types with the E.Z.N.A.[®] Total RNA Kit I.

Product Description	Preps	Cat No.
E.Z.N.A. [®] Total RNA Kit I	5	R6834-00
	50	R6834-01
	200	R6834-02
	600	R6834-03

For free samples of any of our kits, visit www.omegabiotek.com