

E.Z.N.A.[®] Plant RNA Kit

Isolates total RNA from a variety of plant samples

CAT NO: R6827



Robust Lysis

Reliable results from a variety of plant samples



Homogenizer Columns

allowing for faster processing



RNA

Suitable for RT-PCR, Northern Blotting, Poly A+ RNA (mRNA), nuclease protection, and *in vitro* translation



Safe

No phenol-chloroform extractions

Cost-Effective

30% less than the competition on average

E.Z.N.A.[®] Plant RNA Kit

provides a convenient and rapid method for the isolation of total RNA from a variety of plant samples. This kit includes a homogenizer column for filtration and homogenization of viscous plant cell lysates by centrifugation in combination with the HiBind[®] RNA spin columns for RNA purification. All the contaminants, including polysaccharides and phenolic compounds, are effectively removed. Purified RNA can be used for most downstream applications such as RT-PCR, Northern blot analysis, and poly A+ RNA selection.

Company	Yield (µg)	A _{260/280}
Omega Bio-tek	16.45	2.02
	20.63	2.08
	19.11	1.96
Company Q	17.43	2.02
	18.05	1.95
	16.71	2.05

RNA Yield vs. Company Q

Figure 1. Total RNA was isolated from 100 mg of *Arabidopsis thaliana* leaf tissue according to manufacturer's recommended protocols. 1/10 of eluate was analyzed on a denaturing agent agarose gel. OD values calculated with Thermo Scientific's NanoDrop[®] 2000c.

Plant Samples Validated with the E.Z.N.A.[®] Plant RNA Kit

<i>Arabidopsis thaliana</i>	<i>Oryza sativa</i>
<i>Humulus lupulus</i>	<i>Hordeum vulgare</i>
<i>Beta vulgaris</i>	<i>Lycopersico esculentum</i>
<i>Fragaria virginia</i>	<i>Malus sp.</i>
<i>Clarkia spp.</i>	<i>Solum tuberosum</i>
<i>Daucus carota</i>	<i>Spinacia oleracea</i>
<i>Ornithogalum thyrsoides</i>	<i>Surfinia sp.</i>
<i>Dendranthema spp.</i>	<i>Triticum aestivum</i>
<i>Euglena graciis</i>	<i>Vetis sp.</i>
<i>Nicotiana tabacum</i>	<i>Zea mays</i>

Product Description	Preps	Cat No.
E.Z.N.A. [®] Plant RNA Kit	5	R6827-00
	50	R6827-01
	200	R6827-02

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