

# E-Z 96<sup>®</sup> Plant DNA DS Kit

Isolation of genomic DNA from leaf & seed tissues rich in polysaccharides & polyphenols

CAT NO: D1411



## Robust Lysis

Reliable results from a variety of plant samples



## Homogenizer Plates

For efficient lysate clearance and faster sample processing



## Inhibitor-free DNA

Suitable for most downstream applications



## Safe

No phenol-chloroform extractions

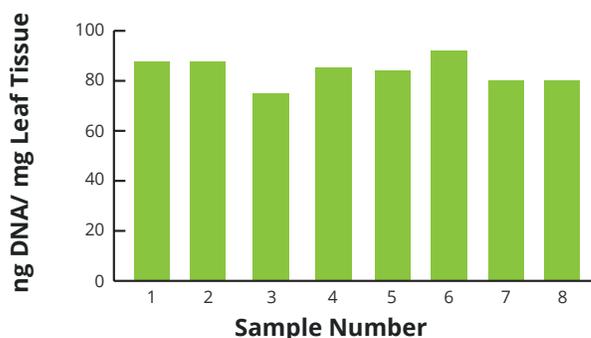
## Cost-Effective

**30%** less than the competition on average

## E-Z<sup>®</sup> Plant DNA DS Kit

is designed for the efficient recovery of genomic DNA from fresh, frozen or dried plant tissue samples rich in polysaccharides, polyphenols, or those having a lower DNA content. Up to 50 mg of wet tissue can be processed in less than 1 hour. The system combines the reversible nucleic acid-binding properties of the HiBind<sup>®</sup> matrix with the speed and versatility of 96-well silica plate technology to purify inhibitor-free genomic DNA in a high-throughput format.

This procedure relies on the well-established properties of the cationic detergent cetyltrimethyl ammonium bromide (CTAB), in conjunction with the unique binding system to increase yields and provide high-quality DNA. The system eliminates the need for chloroform extractions traditionally associated with CTAB-based lysis methods. Samples are homogenized and lysed in a high salt buffer containing CTAB, binding conditions are adjusted and DNA is purified using an E-Z 96<sup>®</sup> DNA plate. Salts, proteins, and other contaminants are removed to yield high-quality genomic DNA suitable for downstream applications such as endonuclease digestion, thermal cycle amplification and hybridization applications.



## DNA Yield From Canola Leaf Samples

**Figure 1.** 50 mg of canola leaf tissue was extracted in triplicate according to manufacturer's recommended protocols and eluted in 150  $\mu$ L. Data was analyzed with fluorescent DNA-based quantification method. Total yield was divided by total tissue amount to show ng of DNA per mg of leaf tissue.

Product Description	Preps	Cat No.
E-Z 96 <sup>®</sup> Plant DNA DS Kit	1 x 96	D1411-00
	4 x 96	D1411-01

For free samples of any of our kits, visit [www.omegabiotek.com](http://www.omegabiotek.com)



innovations in nucleic acid isolation

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