

## EasyExtract DNA Extraction Solution

Cat # : PT-EQ-D010      Size : 10 mL  
Cat # : PT-EQ-D050      Size : 50 mL  
Cat # : SA-EQ-D          Size : 1.5 mL

Date: 2014.04

Version: 14-01

### Product Description :

The EasyExtract DNA Extraction Solution is a fast, simple and inexpensive method for preparing genomic DNA for PCR amplification. Subsequent DNA extraction requires only heat treatment to lyse material, release the DNA and to degrade compounds inhibitory to amplification. Following heat treatment, sample DNA is ready for PCR.

The solution has been used to successfully extract PCR-amplifiable DNA from: *Arabidopsis*, cabbage, rice, cauliflower, *Zamioculcas zamiifolia*, *Ocimum basilicum* leaves and *E.coli*.

### Storage :

Store at  $-20^{\circ}\text{C}$  in a freezer without a defrost cycle. Minimize the number of freeze/thaw cycles. Thawed EasyExtraction solution can be stored at  $4^{\circ}\text{C}$  for 1 month or refrozen in small aliquots.

### Protocol :

1. Place 1~15mg sample into a 500- $\mu\text{l}$  tube or a well of a 96-well plate, add 100  $\mu\text{l}$  of EasyExtract DNA Extraction Solution and immerse sample.
2. Heat the samples at  $98^{\circ}\text{C}$  for 10 minutes.
3. Place the samples on ice. Use 1  $\mu\text{l}$  of sample as template for PCR (25-50- $\mu\text{l}$  reaction volumes).

### Troubleshooting

If the PCR is unsuccessful using undiluted extract, try diluting the extract as template. While it may be counterintuitive to use less starting DNA material, better results are sometimes achieved by reducing the amount of potential PCR inhibitors in the reaction

\*\*\*Research Use Only\*\*\*

Please do not hesitate to contact us while you have any questions.

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TEL : +886-2-2655-7677 / FAX : +886-2-2655-7601 / Toll Free : 0800-231-530

E-MAIL: [service@bio-protech.com.tw](mailto:service@bio-protech.com.tw) ; [tech@bio-protech.com.tw](mailto:tech@bio-protech.com.tw)

WEB: <http://www.bio-protech.com.tw>