



**BIOLOGICAL INDUSTRIES**  
**ISRAEL BEIT HAEMEK LTD.**

Kibbutz Beit Haemek 25115 Israel Tel. 972-(0)-4-9960595, Fax. 972-(0)-4-9968896, e-mail:info@bioind.com

## **EZ-PLANT**

**For use with EZ-DNA Kit to assist with DNA isolation from plant tissues containing polyphenolics and polysaccharides**

**Cat. No.:** 01-893-1D (10ml)

**Store at:** 2-8°C

### **Product Description:**

The EZ-Plant solution contains a high molecular weight polymer, Polyvinylpyrrolidone (PVP), which binds the reactive polyphenolic and polysaccharide contaminants present in plant tissues. EZ-Plant is intended for use with EZ-DNA kit (Cat. No.: 20-600-50).

### **Procedure:**

1. Dilute 1 volume EZ-Plant solution with 4 volumes of EZ-DNA solution.
2. Before use, add 2-Mercaptoethanol to a final concentration of 1% (V/V).
3. Homogenize 0.5g of the plant tissue according to the EZ-DNA protocol (Section 1.5). Mix the plant tissue powder with 1.5ml of the diluted EZ-Plant solution. Gently mix for 1 hour at 60°C. Proceed with section 2 of the EZ-DNA protocol.

### **Removal of polysaccharides:**

Some plant tissues contain large quantities of polysaccharide that may co-isolate as contaminant with DNA. The polysaccharide can be removed during DNA isolation by incubating the homogenized plant tissue suspended in EZ-DNA at +2-8°C for overnight before the addition of chloroform. Polysaccharides can be removed from DNA solution (in 8mM NaOH ) by low salt- ethanol precipitation as described in BioTechniques 17:274,1994.

September 2002