# Plant Tissue Extraction Kit

**Cat. No.** Kit-2160 **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Plant Protein Extraction Kit provides an effective way of extracting soluble protein and other biomolecules and metabolites from all kinds of dry and fresh plant tissues without the use of liquid nitrogen. The kit includes optimized Extraction Buffer to extract plant protein and metabolites, Protease Inhibitor Cocktail to prevent protein degradation and Homogenization Pestles and Tubes to homogenize the plant tissue. The extracted protein can be used in a variety of downstream applications such as Western Blotting, 2-D gel electrophoresis, immunoprecipitation assay, and enzymatic activity assays etc. and extracted small molecules can be used in plant metabolic studies. This easy-to-use and rapid procedure ensures consistent protein yield ~ 2-9 mg/ml depending on the sample type. |
| **Size** | 50 assays |
| **Applications** | Extraction of plant soluble protein and metabolites for various downstream applications such as Western Blotting, 2-D gel electrophoresis, immunoprecipitation assay, enzymatic activity assay and quantitation of metabolites etc. |
| **Storage** | Store kit at -20°C, protect from light. Homogenization Pestles and tubes can be stored at room temperature or -20°C. Thaw reagentsbefore use. Briefly centrifuge small vials prior to opening. Read entire protocol before performing the assay. |
| **Kit Components** | Plant Extraction Buffer: 25 mlProtease Inhibitor Cocktail (200X): 1 mlHomogenization Pestles: 3Homogenization Tubes (1.5 ml): 3 |

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| **Detection method** | Protein Quantitation |
| **Compatible Sample Types** | Fresh or frozen plant tissues, dry plant tissues such as seeds |
| **Features & Benefits** | • Simple method for extracting soluble protein, biomolecules & metabolites from plant tissues without the use of liquid nitrogen• Easy-to-use and rapid procedure ensures consistent protein yield ~ 2-9 mg/ml depending on the sample type |

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