

# Plant Protein Extraction Kit

**Cat No.:** BC3720

**Size:** 50T/100T

**Validity:** at least one year.

**Kit contents:**

	<b>50T</b>	<b>100T</b>	<b>Storage</b>
Lysis buffer	50 ml	100 ml	2-8 °C
Protease inhibitor(100×)	0.5ml	1ml	-20 °C
PMSF(100×)	0.5ml	1ml	-20 °C

**Description:**

This kit is used to extract the total protein from plant tissue. The Lysis buffer contains protease inhibitor, can extract total protein in short time. Extraction product can be used in basic research experiments such as Western blot. Due to the protease inhibitor, this kit cannot be used in protein kinases research. This product is for scientific research only.

**Operation procedure**

1. Extraction of Plant tissue protein
  - 1) Take 100-200mg plant tissue into liquid nitrogen (preferably overnight), fully grind plant tissue in a liquid nitrogen environment .
  - 2) Add 1ml Lysis buffer , add 10ul protease inhibitor and 10ul PMSF , 4 °C for 20min(shake the mixture every 5min).
  - 3) Centrifuge at 14000rpm for 30min with 4°C.
  - 4) Take the supernatant into a new tube.
2. Quantitative or denatured proteins were used for further protein experiments.

(The extracted protein is recommended to be stored at-80 °C, avoid repeated freezing and thawing, and to avoid long time storage.)

**Note**

1. In the experimental process, all reagents need to be precooled or melted to ensure the low temperature environment.
2. PSMF (toxic) is added to lysis buffer before use, because PMSF will degrades rapidly in aqueous solution.