Keep at 4°C.

## Cell nuclear protein preparation protocol for western blot

Isolation of nuclei from cells.

Reagents Buffer A 20 mM Tris pH 7.5-8.0 100 mM NaCl 300 mM sucrose 3 mM MgCl2 Buffer A contains sucrose and should be kept frozen at -20°C. Buffer B 20 mM Tris pH 8.0 100 mM NaCl 2 mM EDTA pH 8.0

Pioneer Biotechnolgy,Inc Contact: Tel 029-88237772 or 13484545009 Fax: 029-88237772 E-mail: xfyangbio@163.com

## PIONEER Biotechnology

<b>Buffer</b>	C	

20 mM Tris pH 8.0

100 mM NaCl

2 mM EDTA pH 8.0

2% SDS

Keep at room temperature.

Method

Prepare 1 ml of buffer A with added cocktail of usual protease inhibitors from frozen stock and store on ice.

Add 500 µl buffer A per large petri dish on ice and scrape thoroughly. Leave on ice for 10 min.

Centrifuge at 4°C at 3,000 rpm for 10 min.

Remove supernatant and retain. This will contain everything except nuclei.

On ice, resuspend the pellet in 374  $\mu$ l buffer B and add 26  $\mu$ l of 4.6 M NaCl to give 300 mM NaCl (high salt helps lyse membranes and forces

DNA into solution).

Pioneer Biotechnolgy,Inc Contact: Tel 029-88237772 or 13484545009 Fax: 029-88237772 E-mail: xfyangbio@163.com

## **PIONEER**

## **Biotechnology**

Homogenize with 20 full strokes in Dounce or glass homogenizer on ice.

Leave on ice for 30 min.

Centrifuge at 24,000 g for 20 min at 4°C.

Aliquot supernatant, remove 10 µl for protein quantification and store at -70°C

Origin: Pioneer Biotechnolgy, Inc of China

Distributor: Pioneer Biotechnolgy, Inc

Contact: Tel 029-88237772 or 技术支持电话: 13484545009 (微信同号) Fax 029-88237772

E-mail: xfyangbio@163.com Internet: www.xfbio.com

Pioneer Biotechnolgy,Inc Contact: Tel 029-88237772 or 13484545009 Fax: 029-88237772 E-mail: xfyangbio@163.com