

15-20 mg tissue



Grind tissue in liquid nitrogen

Lyse tissue using lysis solution (Norgen)



Centrifuge to separate the cellular fractions

Pellet (Nuclear fraction)

Supernatant (Cytoplasmic fraction)

Apply cellular fractions to a sucrose cushion



Centrifugation



Cytoplasm remainings

Sucrose layer

Nuclear pellet

Collect nuclear pellet



Wash

(Nuclear washing buffer)



Cytoplasmic fraction

Sucrose layer

Nuclear remainings

Collect cytoplasmic fraction



Centrifugation

Add binding solution (Norgen)

Add binding solution (Norgen)

Follow the steps as recommended by Norgen kit protocol