

Sample Lysis



Lyse iPSNs



Homogenize
Brain Tissue

Homogenate
in lysis buffer

Sucrose
cushion

Nuclei Isolation



Centrifuge
 $30,000 \times g$, 4°C , 45 min

Cytoplasm

Nuclei

Immunofluorescence Staining, Image Acquisition, Image Processing

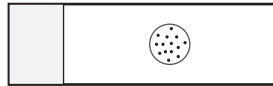
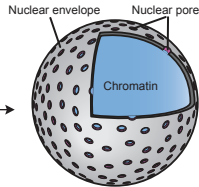


Image Analysis



Nuclear envelope

Nuclear pore

Chromatin