



*Standard Operating Procedure*  
for  
***PICKING iPSC COLONIES***

1.0 PURPOSE

This procedure describes how to pick iPSC colonies.

2.0 SCOPE (Should include which Cores this SOP applies to)

This procedure applies to all personnel who wish to pick iPSC colonies.

3.0 PROCEDURE

1. The day before picking ips colonies, prepare gelatin-coated 12-well feeder plates.
2. Before picking colonies, add 1 ml hES medium containing 10  $\mu$ m Y27632 to each well of the plate and incubate it in a 37°C incubator.
3. Examine the ips colonies under a microscope in a hood and mark the colonies on the bottom of the dish.
4. Cut one colonies into small pieces with a 200  $\mu$ L pipette.
5. Transfer the cut pieces to the 12-well feeder plates with a 200  $\mu$ L pipettes.
6. Repeat step 4-5 to pick another colony.
7. Incubate the plate containing the picked colonies in a 37°C incubator for 24-48 hours.
8. After the colonies attach the plates, replace the medium with fresh hES medium and change it every day.

Jian Feng 8/23/12