

Wound Healing Assay

1. HUVEC cells were plated in confluence in 12-well plate
 2. Scratch Cell with 20ul tip (To make bigger wound using 200ul tip). Change the medium to 0.5% serum-free medium with experimental factor
 3. Put back to the cell incubator for 12-24hours base on the wound recover speed.
- Note: Usually HUVEC cover the wound area (200ul tip wound) in full medium in <12hour.
4. Fix the cell with 4% PFA after removing the medium.
 5. Staining the cell with 0.5% crystal violet in 10% ethanol for 30min.
 6. Rinse the stain cells with extensive PBS.
 7. Capture the image under microscope in magnification of 10X and 20X.
 8. Calculate the wound open area using ImageJ.

Note:

1. Better seed same number of cell each well.
2. Usually it is enough that one confluent 6 well of HUVEC separate into two 12 wells.