Protocol for Transwell cell migration

1. The cells is washed with PBS and trypsinized prior to resuspension in serum-free in a 1.5 mL microcentrifuge tube. then cell count.

2. Add 600 μL complete medium to the lower chamber and 300 μL diluted cell suspension to the upper chamber.

3. Incubate for 24 h at 37 ℃ , 5 % CO_2.

4. The non-migrated cells were scraped off of the filter using a cotton swab

5. The cells that migrated to the lower side of the upper chamber, were fixed for 1 min with 1ml 4 % paraformaldehyde, then wash the cells in 2 washes of PBS.

6. Stain the upper chamber for 10 min. with hematoxylin, then wash the cells in 2 washes of PBS.

7. Stain the upper chamber for 1 min with eosin, transfer the upper chamber into PBS; wash the chamber with water for 5 to 15 min.

8. Dry the upper chamber in the air.