

## **Culture PC 12 cells**

Medium: DMEM(high glucose) with 10% horse serum, 5% FBS and P/S

Culture dishes: precoat with 1mg/ml poly-L-lysine (coating for couple min., wash 3X with dH<sub>2</sub>O, UV, dry)

Culture to 70-80% confluence (Do not overgrow!), 1:3 to 1:4 split

Split: wash cell once with PBS, add 10ml PBS with 0.5 mM EDTA (for p100), 37°C 5min, gently pipetting, take 1/3 to 1/4 (you can freeze the rest), centrifuge to remove PBS+EDTA, add 10ml culture medium, gently pipetting, add onto precoated dish.

Freeze: Complete growth medium supplemented with 10% (v/v) DMSO

For neurite induction: NGF(100 ng/ml) in culture medium or DMEM with 1% horse serum (Low serum will lead to higher induction percentage ~70% in 3days).

DMEM(high glucose)

Horse serum

Fetal Bovine Serum

P/S

1mg/ml poly-L-lysine

PBS, PBS with 0.5 mM EDTA

NGF