

**Phenol / Chloroform / Isoamyl alcohol**

Volume of your sample (vol)

Add 1/10 vol of 5M NaCl – you can increase the volume (vol) here by adding 0.5 M NaCl so that you loose less sample afterwards when getting the supernatant.

Add 1 vol Phenol/Chloroform/IaA (25:24:1)\*

Vortex, 10 sec

Centrifuge, 14000 rpm, 5 min, 4°C

Supernatant volume (put the tube on the side to take out the sup)

Add 1 vol chloroform

Vortex, 10 sec

Centrifuge, 14000 rpm, 2 min, 4°C

Supernatant volume

1 µl glycoblue

3 vol 100% EtOH

Incubate, 30 min, -80°C or overnight -20°C

If you have small amount of DNA or RNA, it is better to let the sample 2 hours at -80°C.

Centrifuge, 14000 rpm, 25 min, 4°C

Wash with 70% EtOH

Centrifuge, 14000 rpm, 5 min, 4°C

Air dry pellet

Resuspend in H<sub>2</sub>O PCR grade (DNA) or DEPC-H<sub>2</sub>O (RNA)

\* to precipitate RNA : Phenol pH 4.3 (Sigma, P4682)

to precipitate DNA/RNA : Phenol pH 8.0 (Sigma, P4557)