**Hot phenol extraction midi/maxi**

This method is not so good for nuclear RNA (allegedly), but is more DNA free, which is good for some experiments such as RNase H analysis, at least in my hands.

Harvest 15ml 50ml OD0.5 cells, wash and pellet in 15ml Falcon tube

Add 0.6ml 1.2ml TES, 0.6ml 1.2ml phenol

20min at 65°, vortex 30s every 5min

Cool to RT using ice bath

Spin 5min at 4500rpm, remove supernatant into 2ml 15ml tubes

Extract twice with 5:1 phenol:chloroform

Extract once with Chloroform

Transfer to one or split into two 1.5ml tubes (each of ~500μl),

To each tube, add 50μl 3M NaOAc and 1ml ethanol

30min at -80°, spin 15min at 4°, wash with 70% ethanol

Resuspend each pellet in 30µl 50μl water (for maxi you have 2 tubes per sample)

TES: 10mM Tris pH 7.5

 10mM EDTA

 0.5% SDS