**A-TAILING BLUNT PCR PRODUCTS**

A rapid method for cloning blunt ended PCR products into T-overhanging cloning vectors (After Promega® pGEM-EASY manual).

1. Isolate PCR product from gel or PCR reaction using appropriate Qiagen kit. Normally this will be in a volume of ~50 µl.

2. Set up a reaction: 25 µl PCR product  
   5 µl 10 X Taq reaction buffer  
   5 µl MgCl₂  
   5 µl dNTP (10mM stock)  
   1 µl Taq polymerase  
   9 µl H₂O

   Quantity of DNA can vary but probably should not be more than ~1µg.

3. Incubate at 70°C for ~30’.

4. Run some reaction on a gel to quantify.

5. Set up ligation. No need to clean up reaction and obviously it’s hard to heat-inactivate Taq!