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 $MgCl_2$
   5 µl dNTP (10mM stock)
   1 µl Taq polymerase
   9 µl H_2O

   Quantity of DNA can vary but probably should not be more 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!