

cDNA PCR product purification (Version 3.0.3, updated 1/7/2002 )

1. After successful gel electrophoresis, the 75  $\mu$ l PCR products are transferred to Falcon 3077 96-well plates and dried down to  $\sim$ 50 $\mu$ l by placing tubes in a hyb oven at 45°C. This usually takes about 45 minutes.
2. To precipitate the PCR products, add 150  $\mu$ l pre-chilled 100% EtOH. Cover wells with seal tape and invert gently several times. Store tubes at -20°C for overnight.
3. Spin plates at 1,600 g for 90 minutes at 4°C.
4. EtOH is removed with a multichannel pipettor, be careful not to disturb the DNA pellets.
5. Add 150  $\mu$ l of cold (-20°C) 70% EtOH, seal and vortex plates to dislodge the pellets.
6. Spin plates at 1,600 g for 90 minutes at 4°C.
7. Repeat steps 4-6.
8. Carefully remove EtOH and dry pellets at RT for 90 minutes. **Caution:** do not overdry products as they will be difficult to dissolve.
9. Products are resuspended in 30  $\mu$ l 20% DMSO (filtered). Every attempt should be made to dislodge pellet to improve resuspension. Cover plates with seal tape, spin at 1000 rpm for 1 minute, and store at 4°C until rearraying.
10. Let products equilibrate to RT, spin at 1,000 rpm for 1 min and immediately rearray 4 X 96-well plates to a Genetix, V-bottom, 384-well plates using Hydra 96-PP workstation.
11. Cover the 384-well plates with thermoseal tape and store at 4°C until use.
12. If necessary, measure DNA concentration of PCR products using Spectromax Gemini XS plate reader after step 8.

**\*Never freeze PCR products.**