Protocol for Preparation of Plasmid DNA From Bacterial Clones Containing Mammalian cDNA

It is possible to generate PCR products for arraying by using a small amount of frozen bacterial culture directly as the PCR template. However, the success rate, yield and efficiency of PCR is significantly improved if plasmid DNA is used as a template. The recommended procedure is to use the QIAprep 96 Turbo Miniprep Kit from Qiagen (Cat.# 27191).

1. **Inoculate a deep 96-square well plate filled with LB (+antibiotic marker) with a small amount of bacterial culture. Frozen clones in 96-well master plates can be inoculated with a 12-channel pipettor after partially thawing them. Incubate the 96-well blocks O/N with shaking at 37°C**

2. **Spin down the cultures and follow the manufacturers protocol for the QIAprep 96 Turbo Miniprep Kit (http://www.qiagen.com/literature/handbooks/qp/qmp799p4.pdf)**

3. **Use 1-5µl of the eluted plasmid DNA as PCR template**