Standard Preparation

1. Prepare a master mix for 100 µL PCR reactions.
2. Carefully vortex master mix using the OHAUS Digital Mini Vortex Mixer (30392122) and decant into a sterile reservoir. Using an automatic multichannel pipette, dispense 96 µL of mix into each well of a skirted 96 well Microplate.
3. Add 4 µL of 1:10 diluted plasmid to each well containing master mix. Mix well with the pipette.
4. Place a Full Plate Cover on the PCR plate and centrifuge at 2700 rpm for 1 minute, using the OHAUS FC5714 Centrifuge (30314811) along with Microplate Rotor (30314824).
5. Place PCR plates in a thermocyler and run the cycling program.
6. Centrifuge again using the OHAUS FC5714 Centrifuge (30314811) along with Microplate Rotor (30314824), seal, and store PCR reaction plates at 4 °C or frozen at –20 °C.
7. Prepare ethidium bromide stock solution with water and store at room temperature in a dark bottle.
8. Purify gel and prepare for desired analysis.

OHAUS Products Used Within This Procedure

Digital Mini Vortex Mixer

FC5714 Centrifuge

Microplate Rotor