1. Transfer 100 ml o/n JM109 to a sterile tube. Add 20 ml of the bacteriophage stock. Mix by tapping the tube. incubate 5 min at room temperature.

2. Add 10 ml of LB medium and incubate for 5 hours at 37°C with constant, vigorous shaking.

3. Harvest the infected cells by centrifugation at 3000 rpm for 15 min at 4°C.

4. Isolate the M13 RF DNA by the alkaline lysis method. The yield of RF DNA expected from 10 ml of infected cells is 7 g.