Plasmid extraction protocol

A. Theory：

Extract plasmid from the vector which may be bacterium, yeast, or other

B. Materials：

1. Column
2. Plasmid extraction kit

C. Laboratory procedures：

1. Culture medium centrifuge
   - 6000rpm
   - 30 mins
   - 4 degrees Celsius
   - Balance with ddH_2O
2. Add solution 1
   - Each tube 400 μl
   - Shake
   - Add to eppendorf
3. Add solution 2
   - 400 μl
   - Reverse up and down 40 times
   - Rest for 5 minutes
4. Add solution 3
   - Repeat the same steps as step C but add solution 3
5. Centrifugation：13000 turns, 10 minutes
6. Pre-heat elution solution：65℃
7. Prepare new tube again，put column on top
   - Column only has 650 μl，therefore add two times
   - 600 μl each time
   - Centrifuge 1 minute after each addition，13000 turns
8. Add washing buffer
   - 600~650 μl x 2 times
   - Each time centrifuge 1 minute 13000 turns
   - Centrifuge 5 minutes in the end
9. Add elution buffer
   - 40 μl
   - Add to middle hollow precipitator
   - Centrifuge 13000 turns 1 minute