MiniPrep

SanPrep Plasmid DNA Kit

1. Preparation
   a. Make sure that RnaseA has been added into BufferP1
   b. Make sure that ethanol has been added into Wash Solution (stored at 4°C)
   c. Make sure that P2 and P3 don't have any sediment
2. Extract 1.5-5ml overnight suspension culture and centrifuge at 8000g for 2 minutes to recollect bacteria and discard culture.
3. Add 250μl BufferP1 and suspend bacteria
4. Add 250μl BufferP2, immediately overturn the tube for 5-10 times. Stay in room temperature for 2-4 minutes to split bacteria.
5. Add 350μl BufferP3. Large amount of flocks appear. Overturn the tube for 5-10 times. Be careful don't let the flocks disperse.
6. Centrifuge at 12,000g for 5-10 minutes. Move supernatant into a absorbing column and centrifuge 8000g for 30s. Discard liquid in collection tube.
7. Add 500μl Buffer DW1 and centrifuge 30s at 9,000g. Discard liquid in collection tube.
8. Add 500μl Wash Solution, centrifuge at 9,000g for 30s. Discard liquid in collection tube.
9. Repeat step8
10. Centrifuge empty tube at 9,000g for 1min

(Using a vacuum centrifuge enrichment machines concentration, using a vacuum centrifuge enrichment machines concentration of alcohol solvent model 45 degrees 3 minutes, you can effectively remove the residual alcohol, to ensure the quality of plasmid elution.)