Plasmid Extraction

1、Transport 1-4 ml plasmid bacteria liquid into a 2 ml centrifugal tube, and then spin it at a speed of 12000rpm for 1 min then pour it out.

2、Add 150μl P1 solutions (which has been added RNase A and TIANRed),and VORTEX it to make the sediment suspended.

3、Add 150μl P2 Buffer, then upside down it for 6-8 times and immediately add 35μl P5 Buffer. And upside down again for 12-20 times, and a floc can be observed in the tube. Then spin it at 12000 RPM for 7 min.

4、Add the liquid supernatant from the centrifugal into CP3, then spin it at a speed of 12000rpm for 30s, finally discard the wasted liquid away.

5. Add 300μl PWT (has been added ethyl alcohol) into CP3, and spin it at the speed of 12000rpm for 1min. Then pour the wasted liquid away.

6.Put CP3 into collection tube，and spin the empty tube at 12000rpm for 1min.

7. Suit CP3 with an empty EP tube, then incubate it at 55℃ for 5 min.

8. Drop 50μlddH2O (which has been heated to 50℃) onto centre of filter, then spin it at 12000rpm for 2min.

9. Discard the CP3 and measure the concentration of the solution in the EP tube. Mark it, and then put it into the fridge which has a degree of -20℃.