2024 NEFU_China

Enzyme digestion verification:

| DNA | 200ng~400ng | n µl |
|-----------------------|-------------|----------|
| E1 enzyme | | 0.2µl |
| 10x Buffer | | 1µl |
| Distilled water (DDW) | | Το 10 μl |

1. Prepare a centrifuge tube.

2.Add 4.8µl of distilled water.

3.Prepare the plasmid, then take 100ng to 200ng of DNA (can take the middle).

4.Add 1µl of 10x buffer. This means a tenth of the system, so add 1µl to 10µl of the system.

5. Add $0.2\mu l$ of E1 enzyme. It is best to use the enzyme from the same buffer; otherwise, it cannot be used.

6.Mix well by pipetting.

7.Place in a 37°C metal bath, and let the enzyme digest for one to two hours.

8. Perform electrophoresis.