2025 NEFU_China

Enzyme digestion verification:

DNA	200ng~400ng	n μl
E1 enzyme		0.2μl
10x Buffer		1μl
Distilled water (DDW)		To 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 0.2μl 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.