

7.7 Experiment Report (A)

Experiment 1: 1% Agarose Gel (50ml) Electrophoresis

I. Experimental purpose: Check the success of PCR

II. Experimental principle: Same as 7/6

III. Experimental procedure: Same as 7/6

IV. Result: Obvious bands found

V. Analysis: Found the problem in the previous experiment, which is the fault usage of the pipette gun. When sucking liquid, the piston should not be pressed to the second gear. This improper operation will cause too much liquid to be sucked, which will result in a change in the liquid configuration volume ratio.

Experiment 2: 1% Agarose Gel (50ml) Recovery after Electrophoresis

I. Experimental purpose: After the bacteria is cultured for 6-8 hours, the sequencing is successful. After running the gel, it is recovered to complete the subsequent experimental operations.

II. Experimental procedure: Refer to Vazyme-FastPure Gel DNA Extraction Mini kit instructions