

Protocol for PCR & Agarose Gel Electrophoresis – Colony PCR

Material

Takara Prime STAR HS (Premix)

Template P16-1 plasmid

Template P16-2 plasmid

Template P18 plasmid

Primer

Double Distillation Water (ddH₂O)

Loading Buffer

DNA Marker

Step

- ① Isolate a single colony from a freshly streaked selective plate, and inoculate a culture of 1-5 ml LB medium containing the appropriate selective antibiotic. Incubate for 2 hours at 37°C with vigorous shaking (~220 rpm).
- ② Heat up the bacterium liquid and make it as the template. Repeat the normal PCR steps introduced in 3.