Here are our protocols: This section shows details of the experiments that are not shown in detail in the notebook. (Click the block to view the hidden content)

Connection

This protocol is used to connect two or more pieces of DNA together. For more detailed information, please click on the link.



Gel recovery

This protocol is used to recycle the correct tape from the recycled adhesive. For more detailed information, please click on the link.



Nucleic acid and protein electrophoresis

This protocol concludes two types of the electrophoresis used to detect target DNA or protein. For more detailed information, please click on the link.



PCR product purification

This protocol is used to purify PCR products (in case of single band detected by gel electrophoresis). For more detailed information, please click on the link.



Plasmid DNA extraction

This protocol is used to extract plasmid DNA from E. coli. For more detailed information, please click on the link.



Polymerase chain reaction

This protocol is used to amplify target DNA fragment for plasmid construction or other use. For more detailed information, please click on the link.



Preparation of electrocompetent cells

This protocol is used to prepare electrocompetent cells with high transformation efficiency. For more detailed information, please click on the link.



Restriction endonuclease reactions

This protocol is used to having restriction endonuclease reactions based on endonuclease by NEB. For more detailed information, please click on the link.



Transformation

This protocol is used to transform plasmid DNA into competent cells by chemical method or electroporation. For more detailed information, please click on the link.



Enzyme digestion verification

This protocol is used to verify enzyme digestion in a DNA sample, please click on the link.



Genome-Wide Mutation

This protocol is used for Genome-Wide Mutation in E. coli., please click on the link.

