

Gibson Assembly

Materials

1. Incubator + shaker
2. Pipets
3. Plasmid DNA + primers
4. Digest enzymes, Gibson master mix, etc

Protocol

1. Digest plasmid with two restriction endonucleases for 1:30 hours at 37°C
2. Mix primers, gibson mix and digested plasmid
3. Incubate and shake at 37°C for 1:00 hour
4. Transform cells

Recipe

Gibson Master Mix	5uL
Digested Plasmid (50ng)	1uL
Primers (44ng)	2.31uL HUMCYP 1.67uL 6G1
dH ₂ O	Add to make 5uL total plasmid + primer
Total	10uL