Mini Prep

1-2 days before Mini Prep

Select single colony from freshly streaked transformed plate using inoculating loop

↓

add to 10-15 mL LB media
+
5 µL Amp in 50 mL Falcon tube

↓

Incubate 12-16 hours at 37°C in Shaking incubator

↓

Prepare Reagents

↓

1 mL of culture to 1.7 mL minicentrifuge tube

↓

Spin at 8000 rpm for 1 min

↓

Decant

↓

Add 1 more mL of culture to 1.7 mL centrifuge tube

↓

Spin at 8000 rpm for 10 min

↓

Remove supernatant in beaker with bleach

thoroughly resuspend cells in 500 µL RNase A

↑

Add 400 µL solution II (lysis buffer)

↑

invert + rotate tube several times (get clear lysate)

↑

Add 600 µL solution III (neutralization buffer) invert until white precipitate forms

↓

Spin at 14000 rpm for 10 min. Want to see pellet debris.

↓

Insert HiBind DNA mini Column into 2 mL Collection tube (label all tubes)

↓

Add 700 µL clear lysate from spun tube aspirating (swirling around edge of mini column) into HiBind DNA mini column. Leave pellet undisturbed

↓

Spin at 14000 rpm for 1 min

↓

Pull out mini column tubes, discard liquid, put column tubes back into collection tubes.

Next Page