Colony PCR

1. **After transformations, colonies are growing on the plate next day.**
2. **Prepare one new plate with specific antibiotics, dry and warm up to 37 degree.**
3. **Prepare PCR master mix (250 ul) and aliquot 25 ul to each of 10 PCR tubes**

10 X buffer	**25 ul**
dNTP (25 mM)	**2.5 ul**
Primer F (20 uM)	**2.5 ul**
Primer R (20 uM)	**2.5 ul**
Taq	**1.0 ul**
H2O	**216.5 ul**

4. **Pipette 0.5 ul positive control (DNA) to PCR tube 1**
5. **Pick up 9 colonies from the old plate by pipette tips, dip into PCR tube and strip on the new plate with proper mark (see the pictures).**
6. **Place the new plate in 37 degree incubator for cells to grow**
7. **Run standard PCR protocols**
8. **Run samples on agarose gel**
9. **Select several colonies which show desire bands and culture in the liquid medium at 37 degree overnight.**