Title	Plasmid Extraction from Bacteria (KIT)		
Protocol Number	MOLBIO19001	Written by	Duha A.
Adapted from	Gene Jet	Version	1.0
Date created	13th Nov 19	Version update	NA

Materials

Gene Jet Kit (Thermoscientific)
Sterile eppendorfs

Protocol:

1. Centrifuge the bacteria for 15 mints at 3000 rpm (take a rack with you upstairs)
2. Remove the supernatant be decanting
3. Resuspend the pallet in 250uL Resuspension solution (stored at 4^{o}C)
4. Add 250 uL Lysis solution. Mix by inverting 6 times.
5. Quickly add 350 uL Neutralization solution. Mix by inverting 6 times.
6. Quickly centrifuge the tubes at 13000 RPM for 5 mints
7. Transfer the supernatant to clean geneJET columns. Don't disturb the precipitate.
8. Centrifuge for 1 mint at 13000 RPM.
9. Discard the flow through.
10. Add 500 uL wash buffer (make sure alcohol has been added).
11. Centrifuge for 1 mint at 13000 RPM.
12. Discard the flow through.
13. Repeat steps 10-12
14. Centrifuge for 1 mint at 13000 RPM to get rid of any residual wash buffer.
15. Transfer the geneJET columns to new clean eppendorfs
16. Add 35-50 uL elusion buffer to the center of the filter without touching it. (It's better to elute the plasmid at 2 twice)
17. Wait for two mints
18. Centrifuge for two mints.
19. Quantify the plasmid using nandrop
20. Store Plasmid at -20^{o}C