**SOP Sanger Prep – U515**

**Document Number: XX**

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**Purpose**

This SOP describes the procedure used to prepare plate for Sanger sequencing

**Scope**

Plate have to be submit with desired primer and right concentration of DNA before Sanger sequencing

**Regulatory References:** NA

**Responsibility of experimentalist:** understanding and performing this procedure as described; reporting any deviations or problems to area supervisor; adequately documenting the procedures and results.

**Responsibility of area manager or supervisor:** ensuring that the analyst performing this procedure is qualified; ensuring that the procedure is followed, and updating the procedure as necessary.

**Definitions/Abbreviations**

Elution Buffer: EB

Ethanol: EtOH

**Related Documents:** NA

**Required Equipment and Materials / Reagents**

* Ultra Pure Distilled Water (Invritrogen: Cat# 10977-015)
* PCR plate (VWR, Cat# 82006-704)
* Sterile aluminum foil plate cover (VWR, Cat# 60941-076)

**Precautions**

Personal protection equipment including sterile gloves and lab coat must be worn when executing this procedure.

**Procedure**

1. Using the right concentrations (from Genewiz web site), calculate the dilutions for GeneWiz submission
2. Dilute samples with water (total = 10uL)
3. Add 8.3uL of U515 primer (3uM) in each sample
4. Once dilution plate has been prepared cover dilution plate with aluminum foil plate cover and submit a new order on the GeneWiz website
5. All orders are submitted to the GeneWiz sample box on the second floor of NE47 (500 Technology Sqr). They have morning, afternoon, and 5pm pickups Monday-Friday and an additional 3pm pick up on Saturdays

**Version History: NA**

**Worksheets: NA**

**Appendix: NA**