

## Lab Prep

### 10X TBE

1. Dissolve 108 g Tris and 55 g Boric acid in 800 mL of diH<sub>2</sub>O
2. Add 40 mL 0.5 M Na<sub>2</sub>EDTA (pH 8.0)
3. Bring final volume up to 1 L

### Terrific Broth media

1. 450 mL of deionized water was added to a 2L flask
2. 24 g of yeast extract , 20 g of tryptone, and 4mL of glycerol were added
3. The solution was stirred until the ingredients dissolved
4. The flask was covered with aluminum foil and autoclaved for 45 minutes
5. The solution was cooled
6. 100 mL of phosphate buffer was added and it was stored in the fridge

### LB media

1. 10 grams Tryptone
2. 10 grams NaCl
3. 5 grams Yeast Extract
4. Fill up to 1 L with di water
5. Autoclave for 45 minutes

### YM media

1. Dissolve the following in 900 mL of diH<sub>2</sub>O and bring up to 1 L
  - a. 0.4 g Yeast extract
  - b. 10 g Mannitol
  - c. 0.1 g NaCl
  - d. 0.2 g MgSO<sub>4</sub> · 7H<sub>2</sub>O
  - e. 0.38 g K<sub>2</sub>HPO<sub>4</sub>
2. Autoclave for 45 minutes and bring to a pH of 7