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## **Protocol: Luria-Bertani (LB) Media/Broth Recipe**

### **Application:**

Making LB media/broth for growth of bacteria. Recipes listed are using A) individual components or B) pre-mixed powder.

### **A) From Individual Components:**

1. For each 950 mL of MilliQ H<sub>2</sub>O, add 10 g Tryptone, 10 g Sodium Chloride (NaCl) and 5 g Yeast Extract.
2. Mix until powder is dissolved.
3. pH solution to ~7.0 using sodium hydroxide (NaOH).
4. Adjust solution to a final volume of 1000 mL.
5. Autoclave using liquid cycle.  
*\*\*if adding Ampicillin (Amp):*
  - a) wait until LB Broth cooled to  $\leq 50$  °C before addition of Amp
  - b) use 0.5 mL per 1000 mL LB Broth from stock (100 mg/mL)
6. Store at room temperature.

### **B) From Pre-mixed Powder:**

1. For each 950 mL of MilliQ H<sub>2</sub>O, add 25 g of pre-mixed formulation containing Tryptone, NaCl and Yeast Extract.
2. Mix until powder is dissolved.
3. pH solution to ~7.0 using sodium hydroxide (NaOH).
4. Adjust solution to a final volume of 1000 mL.
5. Autoclave using liquid cycle.
6. Store at room temperature.