Freshwater Media Protocol (FW_70)

Last Edited: September 29th, 2022

1. Obtain desired masses for ingredients
   - ☐ Obtain "X" volume of DI Water
   - ☐ Obtain mass such that **Sodium Pyruvate** and **Casamino Acids** have a concentration of 1g/L of Media
   - ☐ Obtain mass such that concentration of **Gellan Gum** = 10g/L of Media
     - ☐ Desired volume:
     - ☐ Mass of Sodium Pyruvate:
     - ☐ Mass of Gellan Gum:
     - ☐ Mass of Casamino Acids:

2. Preparing the media
   - ☐ Add "X mL" of DI water to a clean glass bottle, place on a stir plate and add a sterilized stir bar.
   - ☐ Add "0.001X g" of **Sodium Pyruvate** and **Casamino Acids**
   - ☐ **Add "0.01X g" of Gellan Gum**
   - ☐ Stir until a homogeneous-looking mixture is formed.
   - ☐ Close the bottle halfway through and autoclave for 20 minutes.
3. Plating
   - ☐ After autoclaving, pour approximately 20mL of media onto each petri dish.

     If the media starts solidifying before finishing the plating, proceed to place the bottle into a heat plate, then draw 20mL using a serological pipette into each petri dish manually.