**Protocol for Bulk Water Enrichment for the Isolation of *Salmonella* from Surface Water**

**Supplies Needed**

* Sterilized 2 L bottles
* Sterilized 500 mL and 1L graduated cylinders
* 5x Universal Pre-Enrichment broth (UPB, Acumedia #7510)
* Control strain, *Salmonella* *typhimurium* BIOBALL® Luminate (BioMerieux, #422190)

**Protocol**

1. Take 1 of the water sample bottles (containing 1 L of surface water) and carefully transfer water into a sterile 2 L Pyrex bottle.
2. If needed, add control strain to water sample by gently tipping vial over the opening. Close bottle tightly and thoroughly mix sample.
3. Aseptically measure 250 ml of **5x** UPB and pour into 2 L bottle (making final concentration of 1X UPB)
4. Secure lid and mix thoroughly before incubating at 37°C for 18-24 h.

For next steps, refer to “Selective Enrichment Protocol for *Salmonella* Isolation from Surface Water”