Nalgene Bottle Washing+RBS Buffer Protocol

Purpose: Mix dilute RBS buffer solution to soak Nalgene bottles before use or storage

PPE: Nitrile gloves

Hazards: Skin irritation from concentrated detergent

Required items: Nalgene bottles, RBS concentrate, graduated cylinder, 25-liter (or larger) plastic container with lid, DI water

1. RBS buffer preparation:
   1. Take RBS buffer concentrated solution from GERMS lab corrosives cabinet
   2. Measure desired amount of DI water into plastic container (do not fill container above ¾ full)
   3. Measure RBS buffer to make a 2% v/v solution (20ml RBS per 1000ml DI water)
   4. Stir gently to mix
   5. Store covered on countertop near sink
   6. Refresh RBS buffer solution monthly or as needed.
2. Nalgene washing protocol:
   1. Remove labels from dirty Nalgene bottles
   2. Using soapy water, scrub thoroughly in dishwashing room sink to remove residue
   3. Inspect bottles and lids closely for any remaining residue
   4. Wash bottles in dishwasher on ExtraCare cycle
   5. Allow bottles to cool before handling
   6. Soak washed bottles and lids in 2% RBS buffer solution for 24 hours
   7. Rinse bottles thoroughly with DI water
   8. Air dry completely on drying rack before storage