

SOP-P003

Preparation of Stock 1.1 M Calcium Chloride

Objective: To prepare a stock solution of calcium chloride for use in preparation of HBSS buffers

Procedure:

1. Measure out 90 ml millipore filtered water in a graduated cylinder.
2. Pour the water into a clean beaker containing a stir bar.
3. While stirring gently using a magnetic stirplate, add 12.2 g anhydrous calcium chloride (CaCl₂) to the beaker.
4. Stir until dissolved.
5. Remove the stir bar and pour the solution into a graduated cylinder.
6. Add millipore filtered water to the solution until the volume reaches 100 ml.
7. Pour the calcium chloride solution into a container such as a glass bottle with cap.
8. Label the bottle with content information, date, and your initials.
9. Store refrigerated at 0-5°C. Expiration date is six months from date of preparation.

Created by: Gretchen Lawler

Verified by: _____ **Date:** _____
Print Name Sign Name