



Title: *Buffers and Stock Solutions: Carbonate Buffer*

No: RTLP-GL-BSS-13

Location:
Old CCRC Tripp Lab

Approval Date:
10 September 2004

Supersedes Date:

Materials:

Page 1 of 1

- | | | | |
|-----------|---|---------------------|-------------|
| •Lab coat | •NaN ₃ (3.1mM) | •dH ₂ O | •Stir plate |
| •Gloves | •Na ₂ CO ₃ (15mM) | •Analytical balance | •Stir bar |
| •pH Meter | •NaHCO ₃ (35mM) | •1L erlymeyer flask | •1 N HCL |
| | | | •1 M NaOH |

Procedure:

1. Measure 1.6 grams Na₂CO₃, 2.9 grams NaHCO₃, and 0.2 grams NaN₃.
2. Place reagents into a 1L erlymeyer flask and bring volume up to 1L with dH₂O.
3. Stir until mixture goes into solution, then adjust to pH 9.5

CAUTION: Sodium azide is poisonous; follow appropriate precautions for handling, storage, and disposal.

| Author | Management Approval/Date | Effective Date |
|--------|--------------------------|----------------|
| | | |