



Title: *Buffers and Stock Solutions: Alsever's solution*

No: RTLP-GL-BSS-1

Location:
Old CCRC Tripp Lab

Approval Date:
10 September 2004

Supersedes Date:

Materials:

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|---|-----------------------------------|---------------------|------------------|
| •Lab coat | •1M Citric Acid | •NaCl | •Pipettes |
| •Gloves | •Dextrose | •dH ₂ O | •Pipetteman |
| •Filter unit: cellulose acetate membrane, 0.2µm pore size | •Sodium Citrate·2H ₂ O | •Analytical balance | •Pipette Aid |
| | •pH Meter | •1L erlymeyer flask | •Pipetteman tips |
| | •stir plate | •stir bar | |

Procedure:

1. Weigh out 20.5 g grams of dextrose (114 mM), 7.9 grams of sodium citrate 2H₂O (27 mM), and 4.2 grams of NaCl (71 mM).
2. Place the above reagents into a 1L erlymeyer flask, bring up to 1L with dH₂O and stir into solution.
3. Adujust to pH 6.1 with 1M citric acid and filter sterilize.
4. Store at 4°C

Author	Management Approval/Date	Effective Date