



Title: *Buffers and Stock Solutions: 2-Mercaptoethanol
(2-ME), 50mM*

No: RTLP-GL-BSS-8

Location:
Old CCRC Tripp Lab

Approval Date:
10 September 2004

Supersedes Date:

Materials:

Page 1 of 1

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|-----------|-------------|--------------------|------------------|
| •Lab coat | •2-ME | •pH Meter | •Pipettes |
| •Gloves | •Stir plate | •dH ₂ O | •Pipetteman |
| | •Stir bar | •15 mL tube | •Pipette Aid |
| | | •100 mL beaker | •Pipetteman tips |

Procedure:

To prepare 1M stock:

1. Combine 0.5 mL 14.3 M 2-ME with 6.6 mL dH₂O.
2. Invert to mix into solution. Store at 4°C.

To prepare 50 mM stock:

1. Combine 5 mL 1M 2-ME with 95 mL H₂O.
2. Stir to mix into solution. Store at 4C.
3. Dilute to 50 μM (final) for use in media.

Author	Management Approval/Date	Effective Date