Note: TRT made all of the required stock solutions during October 2010 so they should all be ready for you to make your own working solutions. The stocks were autoclaved where appropriate, but you should filter-sterilize all working solutions.

**Buffer A (To make 200 mL)**

In H2O

- 20mM Tris-HCl pH 7.9 (4mL of 1M stock)
- 140mM KCl (28mL 1M stock)
- 1.8mM MgCl2 (360 uL of 1M stock)
- 0.1% Triton-X 1000 (200uL)

**Buffer B (To make 50 mL)**

In Buffer A

- 0.5mM DTT (250 uL of 1M stock)
- 1mM PMSF (0.5 mL of 100mM stock)
- 0.5ug/mL Leupeptin (10uL of 2.5 mg/mL stock)
- 0.8 ug/mL Pepstatin (16 uL of 2.5 mg/mL stock)
- 100 U/mL RNasin (175uL of 40U/ul stock)

**Buffer C (To make 200mL)**

In H2O

- 20mM Tris-HCl pH 7.9 (4mL of 1M stock)
- 140mM KCl (28mL of 1M stock)
- 1.8mM MgCl2 (360 uL of 1M stock)
- 10% glycerol (60 mL of 30% autoclaved stock)
- 0.5mM DTT (1mL of of 100mM stock)
- 0.01% Triton-X 1000 (20uL)
- 10U/uL RNasin (50uL of 40U/ul stock)

**Calmodulin Binding Buffer (100mL)**

In H2O

- 10mM Tris-HCl pH 7.9 (1mL of 1M stock)
- 100mM NaCl (10mL of 1M stock)
- 2mM CaCl2 (200uL of 1M stock)
10mM 2-Mercaptoethanol (70uL)
0.1% Triton-X 1000 (100uL)

**Calmodulin Wash Buffer (100mL)**

In H2O

10mM Tris-HCl pH 7.9 (1mL of 1M stock)
100mM NaCl (10mL of 1M stock)
0.1mM CaCl2 (10uL of 1M stock)
10mM 2-Mercaptoethanol (70uL)
0.1% Triton-X 1000 (100uL)

**Calmodulin Elution Buffer (100mL)**

In H2O

10mM Tris-HCl pH 7.9 (1mL of 1M stock)
10mM 2-Mercaptoethanol (70uL)
0.1% Triton-X 1000 (100uL)