

Lysis Buffer for Western Blot (Prepared by Patti C. Zeidler on 4-6-01)

\*Aliquot and store at  $-20^{\circ}\text{C}$

|    | Stock Solution   | Final Conc. | 5ml    | 10ml   | Store                 |
|----|--|-------------|--------|--------|-----------------------|
| 1. | 5M NaCl  | 130mM       | 130ul  | 260ul  | RT                    |
| 2. | NP40 (100%)  | 1%          | 50ul   | 100ul  |                       |
| 3. | 1M Tris-HCl pH 8.0   | 50mM        | 250ul  | 500ul  | RT                    |
| 4. | 100mM PMSF   | 1mM         | 50ul   | 100ul  | $-20^{\circ}\text{C}$ |
|    | *Once prepared in EtOH store at $4^{\circ}\text{C}$ for 7 days |             |        |        |                       |
| 5. | 5mg/ml Aprotinin   | 100ug/ml    | 100ul  | 200ul  | $-20^{\circ}\text{C}$ |
| 6. | 5mg/ml Leupeptin   | 200ug/ml    | 200ul  | 400ul  | $-20^{\circ}\text{C}$ |
| 7. | 100mM Sodium Metavanadate                                      | 1mM         | 50ul   | 100ul  | RT                    |
|    | *Prepare fresh each time in diH <sub>2</sub> O                 |             |        |        |                       |
| 8. | 500mM MgCl <sub>2</sub>  | 5mM         | 50ul   | 100ul  | RT                    |
| 9. | Millipore H <sub>2</sub> O                                     |             | 4.12ml | 8.24ml |                       |

Aprotinin (5mg) Sigma Catalog #L2884

Leupeptin (5mg) Sigma Catalog #A1153

Prepare 5ml of 100mM Sodium Metavanadate

\*Dissolve 61mg into 5ml diH<sub>2</sub>O