

Protein Extraction

Reagents:

- Lysis Buffer:
 - 1) 20mM Tris 7.5
 - 2) 20mM MgCl₂
 - 3) 1mM PMSF
 - 4) 10µg/mL Leupeptin
 - 5) 10µg/mL Aprotinin
 - 6) 10mM NaF
 - 7) 15µg/mL Benzamidine
 - 8) 10mM Glycerophosphate
 - 9) 1000µM ATP
- Biorad Dye Reagent
- SDS PAGE Gel

Protocol:

- 1) Re-suspend parasite pellet in ice-cold lysis buffer.
- 2) Homogenize by brief sonication @ 4°C.
- 3) Centrifuge 20,000xg 15' @ 4°C.
- 4) Supernatant is soluble fraction (cytoplasmic proteins), pellet is insoluble fraction (membrane proteins).