

**Tech Prep Sheet: Bio Sci 230****Protein Extraction: Please review list before beginning of semester and ensure ALL items are available as listed.****NOTE.. the below SOP will be modified some in the coming weeks. Misc. recipes for SDS, PBS, Triton, etc. included...**

Supplies	Amount/ student pair	Total # students	Total amount	Precautions/storage/timeline
96 well micro-well plate	1	24	12	12 plates are fine, reuse as needed
Tape cover for above plates	1	24	15	12 total, but have some extra as needed..
2. 0 ml microfuge tube	5	24	100	Non-sterile fine
Marking pen	1	24	12	Re-used, in lab
Reagents	Amount/ student pair	Total # students	Total amount	Precautions/storage/timeline
Cell Culture:	1 ml	24	1 mls	2-3 REALLY dense cell cultures needed
Phosphate Buffered Saline (PBS)	2 ml	24	30 mls	Aliquot 2 full mls in 2.0 microfuge tubes, 15 plus in a rack. Have extra in biotech chemical cabinet
BCA reagent part A	1 mls	24	15	1 ml into 1.5 ml micro-fuge (label: BCA: Part A)
BCA reagent part B	200 ul	24	15	200 ul into 1.5 ml micro-fuge (label: BCA: Part B)
Triton 100 X Lysis Buffer	1 ml	24	15	1 ml into 1.5 ml micro-fuge , rack of 15 plus in a rack, have extra in falcon in biotech chem cabinet
SDS, 10 %	About 20 ul	24	300 ul total	500 ul in 1.5 microfuge tubes (keep @ room temp)
Equipment	Amount/ student pair	Total # students	Total amount	Precautions/storage/timeline
Brayer				Roller to apply to tape atop well plate
Centrifuges, vortexer, pipets and tips				In Lab supplies, restock as needed.
Dry bath, 60 degrees AND				Used to accelerate the BCA development