

Tech Prep Sheet: Bio Sci 230

GFP Western Blotting(Sample Denaturation, Gel Run, Western Blotting) : Please review list before beginning of semester and ensure ALL items are available as listed.

Supplies	Amount/ student pair	Total # students	Total amount	Precautions/storage/timeline
1.5 mL Tubes	2			
p-20 Micropipettors and tips	1			
p-1000 Micropipettor and tips	1			
10 mL Serological pipet	1			
Scalpel and Spatula				To separate gel casing/nick gel for ID
Nitrocellulose or PVDF membrane				PVDF:need to use Methanol to pre-wet membrane/Membrance must be pre-cut size of gel
Forceps				
Filter Paper	2			Cut to size
Blotting Pads				
Glass Stirring Rod				For rolling out bubbles within membrane/gel
Saran Wrap				
Marking Pens				
Waste Containers				To collect and save transfer buffer
Gloves				3 sizes
Reagents	Amount /Student Pair	Total # Students	Total Amount	Precautions/Storage/Timeline
GFP	2			Saved from isolation of GFP lab(Amgen 7) @ -20 C
Sample Buffer?	20 uL			Is this the glycine w/SDS with NuPage Reducing Agent?
Kaleidoscope Standard	12 uL			
Vertical PAGE gels	1			2-3 groups per gel box and gel

Glycine w/SDS and funnel				Running buffer for the gel
Transfer Buffer?				Recipe?
Equipment	Amount/Student Pair	Total # of Students	Total Amount	Precautions/Storage/Timeline
90C Water Bath				
Vertical Gel Boxes	1			2-3 Groups per gelbox/gel
Power Supply				
Wash Waters/Dish Drying Cart				
Plastic Gel Trays	1			