

**Tech Prep Sheet: Bio Sci 230**

**GFP Western Blot Probing the Membrane : 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
Blot Transfer Membrane				Kept @ -4 C from previous lab
Labeled Waste Containers				To collect and save all solutions used
Aluminum Foil				To cover blots during development
Rulers				
Marking Pens				
Reagents	Amount/ student pair	Total # students	Total amount	Precautions/storage/timeline
Anti-GFP	10 mL/blot			Primary Ab. Diluted 1:1000 in 1% milk in TBST
AP Conjugated Anti-Mouse IgG				Secondary Ab. Diluted 1:3000 in 1% milk in TBST
NBT/BCIP	50 mL/blot			See recipe sheet.
Blocking Solution	1.0 L			5%(w/v) nonfat dry milk, 0.1% Tween 20
Tris Buffered Saline(TBS)				See recipe sheet
TBST				TBS with 0.1% Tween 20
Detection Buffer				See recipe sheet
20mM EDTA				See recipe sheet
Equipment	Amount/ student pair	Total # students	Total amount	Precautions/storage/timeline
Orbital Shaker				

