

**Tech Prep Sheet: Bio Sci 230**

**Fish Forensics Part II: Running Fish Samples** ease 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
P-1000 Micropipet w/ tips	1			To clean out PAGE wells
P-20 Micropipet w/ tips	1			
10 mL Serological Pipets	1			For buffer leaks in vertical gel boxes
Pipetmans	1			
Funnels				4 total
Celophane	2 Sheets			For PAGE gel.
Reagents	Amount/Student Pair	Total # students	Total Amount	
4% Agarose gels	80 mL			Make w/ TBE buffer
PAGE 8-16% Gradient Tris-Glycine gel	1			(in biotech refrigerator)
SDS Laemmli Electrophoresis buffer	200 ML			W/O Loading dye(for agarose gel)
Triton 100X Laemmli Electrophoresis buffer	200mL			W/O Loading dye(for agarose gel)
SDS Laemmli Loading buffer				Blue in color
Triton 100X Loading buffer				Blue in color
Tris-Glycine Electrophoresis buffer				for PAGE gel
Ward's Staining Soln/or Coomassie Blue	20-50 mL/gel			More volume for agarose gells.
Destain I	20-50 mL/gel			More volume for agarose gells.
Destain II	20-50 mL/gel			More volume for agarose gells.
Gel drying solution	20mL			
Equipment	Amount/ student pair	Total # students	Total amount	Precautions/storage/timeline

Horizontal Gel Boxes	2			
Vertical Gel Boxes	1			
Power Supplies	2			
Gel Staining Boxes	3			
Orbital Shaker				
Gel Drying Racks				
Shaking Incubator				