

Tech Prep Sheet: Bio Sci 230

Fish Forensics Part I: Practice Gel Run 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 Micropipettor w/ tips	1			To clean out PAGE wells
P-20 Micropipettor w/ tips	1			
10 mL Serological	1			For buffer leaks in vertical gel boxes
Pipetmans	1			
Grease				For gel boxes
Reagents	Amount/Student Pair	Total # Students	Total Amount	Precautions/Storage/Timeline
4% Agarose gel	80 mL			Make with TBE buffer
PAGE 8-16% Gradient Tris-Glycine gel	1			Biotech fridge
Tris-Glycine buffer	200 mL			For PAGE gel
SDS Laemmli Electrophoresis buffer	200 mL			W/O Loading dye(for agarose gels)
Triton 100X Laemmli Electrophoresis buffer				W/O Loading dye(for agarose gels)
SDS Laemmli Electrophoresis Sample buffer				Blue in color
Triton 100X Sample buffer				Blue in color
Ward's Intro to PAGE dyes				Biotech fridge
Equipment	Amount/ student pair	Total # students	Total amount	Precautions/storage/timeline
Horizontal gel boxes	2			
Vertical gel boxes	1			
Power supplies	2			