

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 | | | |