

Gel Electrophoresis #1

SEP Kit Inventory List

User: _____

Labs: _____

Classes: _____

Freezer Box

<input type="checkbox"/>	1	each	Contains DNA & Enzymes for DNA Labs KEEP FROZEN!
<input type="checkbox"/>			Ulster Micropipet G1-P10-1 <i>Use micro tips</i>
<input type="checkbox"/>			Ulster Micropipet G1-P10-2 <i>Use micro tips</i>
<input type="checkbox"/>			Ulster Micropipet G1-P10-3 <i>Use micro tips</i>
<input type="checkbox"/>			Ulster Micropipet G1-P10-4 <i>Use micro tips</i>
<input type="checkbox"/>			Oxford Micropipet G1-P10-5 <i>Use micro tips</i>
<input type="checkbox"/>			Ulster Micropipet G1-P10-6 <i>Use micro tips</i>
<input type="checkbox"/>			Ulster Micropipet G1-P10-7 <i>Use micro tips</i>
<input type="checkbox"/>			Ulster Micropipet G1-P10-8 <i>Use micro tips</i>
<input type="checkbox"/>			Ulster Micropipet G1-P20-1 <i>Use medium tips</i>
<input type="checkbox"/>			Ulster Micropipet G1-P20-2 <i>Use medium tips</i>
<input type="checkbox"/>			Ulster Micropipet G1-P20-3 <i>Use medium tips</i>
<input type="checkbox"/>			Ulster Micropipet G1-P20-4 <i>Use medium tips</i>
<input type="checkbox"/>			Ulster Micropipet G1-P20-5 <i>Use medium tips</i>
<input type="checkbox"/>			Ulster Micropipet G1-P20-6 <i>Use medium tips</i>
<input type="checkbox"/>			Ulster Micropipet G1-P20-7 <i>Use medium tips</i>
<input type="checkbox"/>			Ulster Micropipet G1-P20-8 <i>Use medium tips</i>
<input type="checkbox"/>			Ulster Micropipet G1-P200-1 <i>Use medium tips</i>
<input type="checkbox"/>			Ulster Micropipet G1-P200-2 <i>Use medium tips</i>
<input type="checkbox"/>			Ulster Micropipet G1-P200-3 <i>Use medium tips</i>
<input type="checkbox"/>			Ulster Micropipet G1-P200-4 <i>Use medium tips</i>
<input type="checkbox"/>			Ulster Micropipet G1-P200-5 <i>Use medium tips</i>
<input type="checkbox"/>			Ulster Micropipet G1-P200-6 <i>Use medium tips</i>
<input type="checkbox"/>			Ulster Micropipet G1-P200-7 <i>Use medium tips</i>
<input type="checkbox"/>			Ulster Micropipet G1-P200-8 <i>Use medium tips</i>
<input type="checkbox"/>			Ulster Micropipet G1-P1000-1 <i>Use large tips</i>
<input type="checkbox"/>			Ulster Micropipet G1-P1000-2 <i>Use large tips</i>
<input type="checkbox"/>			Ulster Micropipet G1-P1000-3 <i>Use large tips</i>
<input type="checkbox"/>			Ulster Micropipet G1-P1000-4 <i>Use large tips</i>
<input type="checkbox"/>			Precision -Model 181 Waterbath #01

Crate #1 Supplies

<input type="checkbox"/>	8	each	Beakers, 150 ml	<i>To hold and measure buffer</i>
<input type="checkbox"/>	8	each	Gel Staining Dishes	<i>Used to stain DNA gels</i>
<input type="checkbox"/>	8	each	Graduated Cylinders, 50 ml	
<input type="checkbox"/>	1	pair	Hot Gloves	
<input type="checkbox"/>	4	box	Micropipet Tips, Large	<i>P1000 pipet; discard used tips</i>
<input type="checkbox"/>	12	box	Micropipet Tips, Medium	<i>P20, P50, P100 & P200 pipet; discard used tips</i>
<input type="checkbox"/>	10	box	Micropipet Tips, Micro	<i>For P10 Pipet; discard used tips</i>
<input type="checkbox"/>	~50	each	Plastic Bags, for Storing Gels	<i>Need ~1/gel</i>
<input type="checkbox"/>	1	set	Practice Gel Materials	<i>See instructions on bag</i>
<input type="checkbox"/>	1	each	Thermometer	<i>Use with waterbath</i>
<input type="checkbox"/>	1	each	Micropipet Tip Card	Micropipet box

Crate #2 Equipment

<input type="checkbox"/>			Horizon 58 Gel Box #01	<i>Stack 4 high</i>
<input type="checkbox"/>			Horizon 58 Gel Box #03	<i>Stack 4 high</i>
<input type="checkbox"/>			Horizon 58 Gel Box #04	<i>Stack 4 high</i>
<input type="checkbox"/>			Horizon 58 Gel Box #05	<i>Stack 4 high</i>
<input type="checkbox"/>			Clover Labs SD110 Microfuge #38	
<input type="checkbox"/>			Clover Labs SD110 Microfuge #39	
<input type="checkbox"/>			BRL 250 Power Supply #10	<i>Extra fuses in small box</i>
<input type="checkbox"/>			BRL 250 Power Supply #11	<i>Extra fuses in small box</i>

Crate #2 Supplies

<input type="checkbox"/>	1	pk	Acetate, Uncut	<i>In kit notebook</i>
<input type="checkbox"/>	1	each	Biotechnology in Perspective	<i>In kit notebook</i>
<input type="checkbox"/>	1	each	Biotechnology Poster	<i>In kit notebook</i>
<input type="checkbox"/>	1	set	Dye/Indicator Set	<i>For Dye/Indicator Lab</i>
<input type="checkbox"/>	1	box	Gloves, Large	
<input type="checkbox"/>	1	box	Gloves, Medium	
<input type="checkbox"/>	1	box	Gloves, Small	
<input type="checkbox"/>	1	each	Kit Notebook, Gel Electrophoresis	
<input type="checkbox"/>	9	each	Microtube Racks	<i>1 extra for teacher/demo</i>
<input type="checkbox"/>	1	each	Parafilm with Scissors	
<input type="checkbox"/>	1	each	Plastic Wrap	
<input type="checkbox"/>	1	set	Practice Solutions	<i>40-50 ml each color; 4/set</i>
<input type="checkbox"/>	8	each	Waste Containers	<i>For used tips</i>
<input type="checkbox"/>	1	each	Working with DNA & Bacteria . . .	<i>In kit notebook</i>

Crate #3 Equipment

<input type="checkbox"/>			Horizon 58 Gel Box #06	<i>Stack 4 high</i>
<input type="checkbox"/>			Horizon 58 Gel Box #07	<i>Stack 4 high</i>
<input type="checkbox"/>			Horizon 58 Gel Box #08	<i>Stack 4 high</i>
<input type="checkbox"/>			Horizon 58 Gel Box #109	<i>Stack 4 high</i>
<input type="checkbox"/>			Fotodyne Light box 6	<i>With AC adapter</i>
<input type="checkbox"/>			BRL 250 Power Supply #12	<i>Extra fuses in small box</i>
<input type="checkbox"/>			BRL 250 Power Supply #13	<i>Extra fuses in small box</i>

Crate #3 Supplies

<input type="checkbox"/>	1000	ml	50X TAE Gel Running Buffer	<i>Dilute to 1X; use to make and run gels; use 20-25 ml 10X/class</i>	
<input type="checkbox"/>		set	Carolina Blu DNA Stain	<i>See Carolina Blu protocol card; 1 set= 2-3 class/DNA lab</i>	
<input type="checkbox"/>	1	each	Carolina Blu Used Bottle	<i>For used Carolina Blu Stain #2 1000 ml bottle</i>	
<input type="checkbox"/>	8	box	Microtubes (sterile)	<i>(+ _____ extra) For Meas or Dye:~64/class/lab DNA:~32/class/lab</i>	
<input type="checkbox"/>	20	ml	NaCl Solution, 5M	<i>3 ml/class (Used in EE Protocol only)</i>	
<input type="checkbox"/>	100	ml	Phenol Red Solution, Saturated	<i>16 ml/class (Used in EE Protocol only)</i>	
<input type="checkbox"/>	8	each	Protocol Cards #1	<i>Micropipet</i>	
<input type="checkbox"/>	8	each	Protocol Cards #2	<i>Gel Box & Power Supply</i>	
<input type="checkbox"/>	8	each	Protocol Cards #3	<i>How to Make a Gel</i>	
<input type="checkbox"/>	8	each	Protocol Cards #4	<i>How to Make a Carolina Blu Gel</i>	
<input type="checkbox"/>	1	each	Troubleshooting Guide	<i>Problems with equipment and pipeting? See guide.</i>	
<input type="checkbox"/>		each	Acetate, Precut	<i>For recording gel results; use 1/student</i>	Small Box
<input type="checkbox"/>	50	gram	Agarose	<i>RETURN UNUSED PORTION Need ~ 2 g/class/gel lab</i>	Small Box
<input type="checkbox"/>		each	Blotting Paper	<i>For blotting dye gels; use 1/student</i>	Small Box
<input type="checkbox"/>	4	roll	Colored Label Tape		Small Box
<input type="checkbox"/>	8	each	Floating Tube Racks	<i>"foam floaties"</i>	Small Box
<input type="checkbox"/>	1	each	Food Coloring Set	<i>Includes glycerol; use to make extra practice solution</i>	Small Box
<input type="checkbox"/>	2	each	Fuses	<i>For power supplies</i>	Small Box
<input type="checkbox"/>	8	each	Microtube Openers		Small Box
<input type="checkbox"/>	10	each	Permanent Markers	<i>Keep caps closed tightly!</i>	Small Box
<input type="checkbox"/>	1	box	pH Paper	<i>~100/box use 16-32 per class</i>	Small Box
<input type="checkbox"/>	25	each	Plastic Transfer Pipets	<i>used in Meas & EE procedures only</i>	Small Box
<input type="checkbox"/>	32	each	Rulers, in mm	<i>For measuring gel bands</i>	Small Box
<input type="checkbox"/>	2	ml	Sample Loading Buffer	<i>DNA labs 100 µl/class; EP 150 µl/class</i>	Small Box
<input type="checkbox"/>	10	ml	STE (Saline Tris EDTA)	<i>For Precut DNA & Enzyme Labs</i>	Small Box
<input type="checkbox"/>	10	ml	Sterile Distilled Water	<i>For Enzyme & Eleph Labs</i>	Small Box
<input type="checkbox"/>	10	each	Weighing Dishes	<i>Discard used dishes</i>	Small Box

Teacher Provides

	Balance For weighing agarose
	Distilled Water 1-10 liters for diluting 50X TAE
	Heat Source for Agarose Solution
	Ice