

Transformation #1

SEP Kit Inventory List

User: _____

Labs: _____

Classes: _____

Freezer Box

<input type="checkbox"/>	tube	Ampicillin (protect from light) 100 mg/ml; need ~400 ul/class
<input type="checkbox"/>	tube	pBLU Plasmid 0.01 µg/ul; ~80 µl/class/lab
<input type="checkbox"/>	tube	X-gal (Protect from Light) 2% in DMF need ~350 ul/class

Separate

<input type="checkbox"/>	1 each	Incubator for Tx Kit Set to 37 °C; check temp before use
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Teacher Provides

	Ethanol (90% or 70%) For cleaning surfaces; can also use 10% bleach
	Heat Source For melting LB agar
	Ice

Crate #1 Equipment

<input type="checkbox"/>	Oxford Micropipet T1-P20-1	<i>Use medium tips</i>
<input type="checkbox"/>	Oxford Micropipet T1-P20-2	<i>Use medium tips</i>
<input type="checkbox"/>	Oxford Micropipet T1-P20-3	<i>Use medium tips</i>
<input type="checkbox"/>	Oxford Micropipet T1-P20-4	<i>Use medium tips</i>
<input type="checkbox"/>	Oxford Micropipet T1-P20-5	<i>Use medium tips</i>
<input type="checkbox"/>	Oxford Micropipet T1-P20-6	<i>Use medium tips</i>
<input type="checkbox"/>	Oxford Micropipet T1-P20-7	<i>Use medium tips</i>
<input type="checkbox"/>	Oxford Micropipet T1-P20-8	<i>Use medium tips</i>
<input type="checkbox"/>	Nichipet EX Micropipet T1-P1000	<i>Use large tips</i>
<input type="checkbox"/>	Nichipet EX Micropipet T1-P1000	<i>Use large tips</i>
<input type="checkbox"/>	Nichipet EX Micropipet T1-P1000	<i>Use large tips</i>
<input type="checkbox"/>	Nichipet EX Micropipet T1-P1000	<i>Use large tips</i>
<input type="checkbox"/>	Oxford Micropipet T1-P1000-1	<i>Use large tips</i>
<input type="checkbox"/>	Oxford Micropipet T1-P1000-2	<i>Use large tips</i>
<input type="checkbox"/>	Oxford Micropipet T1-P1000-3	<i>Use large tips</i>
<input type="checkbox"/>	Oxford Micropipet T1-P1000-4	<i>Use large tips</i>
<input type="checkbox"/>	Fisher Isotemp Waterbath #09	<i>Set to 42 °C; check temp before use</i>

Crate #1 Supplies

<input type="checkbox"/>	1 each	Biotechnology Poster	<i>In kit notebook</i>	
<input type="checkbox"/>	1 pair	Hot Gloves		
<input type="checkbox"/>	1 each	Kit Notebook, Transformation		
<input type="checkbox"/>	4 box	Micropipet Tips, Large	<i>P1000 pipet; discard used tips</i>	
<input type="checkbox"/>	4 box	Micropipet Tips, Medium	<i>P20, P50, P100 & P200 pipet; discard used tips</i>	
<input type="checkbox"/>	1 each	Parafilm with Scissors		
<input type="checkbox"/>	8 each	Protocol Cards	<i>Micropipet</i>	
<input type="checkbox"/>	8 each	Waste Containers	<i>For used tips</i>	
<input type="checkbox"/>	1 each	Working with DNA &	<i>In kit notebook</i>	
<input type="checkbox"/>	each	Biohazard Bags		Small Box
<input type="checkbox"/>	ml	CaCl ₂ , 50mM, sterile	<i>~5 ml/class (10 ml/vial)</i>	Small Box
<input type="checkbox"/>	1 each	Colored Label Tape		Small Box
<input type="checkbox"/>	pk	Inoculating Loops, sterile	<i>10/pack, need ~4/stock plate (8-10/class)</i>	Small Box
<input type="checkbox"/>	ml	Luria Broth (LB), Sterile	<i>~5 ml/class (10 ml/vial)</i>	Small Box
<input type="checkbox"/>	8 each	Microtube Floating Racks	<i>For heat shock</i>	Small Box
<input type="checkbox"/>	10 each	Permanent Markers	<i>Keep caps closed tightly!</i>	Small Box
<input type="checkbox"/>	2 vial	Slant Culture, <i>E. coli</i> JM101	<i>Store at 4 °C (refrigerator)</i>	Small Box
<input type="checkbox"/>	10 ml	Sterile Distilled Water		Small Box
<input type="checkbox"/>	1 each	Thermometer	<i>Use with waterbath</i>	Small Box
<input type="checkbox"/>	4 canister	Toothpicks, Sterile	<i>RETURN UNUSED TOOTHPICKS; use 16/class</i>	Small Box

Crate #2 Supplies

<input type="checkbox"/>	pk	Cell Spreaders, Sterile	<i>CLEAN & RETURN Need 16/class (16/pack)</i>
<input type="checkbox"/>	8 each	Ice Containers	
<input type="checkbox"/>	bottle	LB Agar, sterile (350 ml/bottle)	<i>RETURN BOTTLES 2 bottles/class + 1 extra</i>
<input type="checkbox"/>	9 each	Microtube Racks	<i>1 extra for teacher/demo</i>
<input type="checkbox"/>	8 box	Microtubes (sterile)	<i>Need ~20/class/lab</i>
<input type="checkbox"/>	sleeve	Petri Dishes, 100 mm, Sterile	<i>25 dishes/sleeve ~35 dishes/class</i>
<input type="checkbox"/>	pk	Plastic Transfer Pipets, Sterile	<i>RETURN UNUSED ~16/class (20/pk)</i>
<input type="checkbox"/>	8 each	Squirt Bottle	<i>For alcohol</i>

Crate #3, If needed

<input type="checkbox"/>	pk	Cell Spreaders, Sterile	<i>CLEAN & RETURN Need 16/class (16/pack)</i>
<input type="checkbox"/>	bottle	LB Agar, sterile (350 ml/bottle)	<i>RETURN BOTTLES 2 bottles/class + 1 extra</i>
<input type="checkbox"/>	sleeve	Petri Dishes, 100 mm, Sterile	<i>25 dishes/sleeve ~35 dishes/class</i>
<input type="checkbox"/>	pk	Plastic Transfer Pipets, Sterile	<i>RETURN UNUSED ~16/class (20/pk)</i>