

# **Biomanufacturing Kit**

RED = store in fridge (4°C)

Kit Sections	Multiply by number of classes or teams (excluding equipment and games)
<b>Module 2 - Upstream Process</b>	
Sterile LB (500uL aliquots) 1/student	
Sterile LB/Amp (75mL bottle) 1/team	
small LB plates 1/student	
10cm2 LB/Amp plates 6/team	
sterile inoculating loop 1/team	
sterile spreaders 1/student + 2/team	
14mL Falcon tube 1/team	
p1000 tips - 1 box/team	
p200 tips - 1 box/team	
50X Arabinose 1mL/team	
Plate with GFP+ or RFP+ colonies 2/class	
cuvettes 3/team	
Sterile transfer pipettes 1/team	
50mL tube 1/team	

<b>Module 3 - Downstream Process</b>	
Lysis Buffer - 500uL/team	
Wash Buffer 5mL/team	
Elution buffer 5mL/team	
Equilibration Buffer (TE) 5mL/team	
Binding Buffer 500uL/team	
2mg/mL Albumin Std 100uL/class	
Coomassie Reagent 5mL/team	
Coomassie Reagent 10mL/class	
4mL Falcon tubes 2/team + 10/class	
Lg Microfuge tubes 5/team + 7/class	
p1000 tips 1 box/team	
p200 tips 1 box/team	
Cuvettes 1/team + 3/class	
Pre-prepared RFP+ liq culture 20mL/class	

<b>Games</b>	
GMP Game Board	
GMP Game cards (sets of 20)	
Trivial Pursuit Game Board	
Trivial Pursuit Cars (sets of 10)	
Pie Images	

<b>Equipment</b>	
p200 Micropipettes 1/team	
p1000 Micropipettes 1/team	
Bacterial plate incubator 1/class	
Bacterial shaker/incubator 1/class	
125mL baffled flasks + lids 1/team	
spectrophotometer 1/class	
heat block 1/class	
mini centrifuges 2 or 3/class	
columns 1/team	