

**Cancer Biology Kit**

Kit Sections	
Amounts/class of 8 student groups	Multiply amount by number of classes (excluding equipment and manipulables)
<b>ELISA (Sandwich)</b>	
10X PBS (50mL)	
Diluent buffer (50mL)	
ELISA Wash (300mL)	
Protein A HRP (5 µl)	
Substrate -TMB (40mL)	
96 Well ELISA Plates (x8)	
Adhesive Plate Covers (x10)	
p1000 (8 Box)	
p200 (12 Box)	
Large Microfuge Tubes (x70)	
Small Microfuge Tubes (x32)	
Microfuge tube racks (x8)	

RED = store in fridge (4°C)  
 BLUE = store frozen (-20°C)

<b>PCR</b>	
2X OneTaq Mastermix (550µl)	
6X Loading Dye (220µl)	
1 Kilobase Ladder (120µl)	
Primer Mix (110µl)	
HER2 one copy DNA (200uL)	
HER2 two copy DNA (120uL)	
HER2 three copy DNA (60uL)	
Negative DNA (100µl)	
50X TAE Buffer (150mL)	
Agarose Gel Powder (4g)	
Gel Green (24µl)	
PCR Tubes (x50)	
PCR Tube Racks (x8)	
p20 Tips (8 Box)	
Small Microfuge Tubes (x50)	

<b>Antibody Models</b>	
Black Stems (x20)	
Colored Stems (x60)	
Pearler Beads (Bags x2)	

<b>ELISA Sandwich</b>	
Positive Control Model (x8)	
Negative Control Model (x8)	
<b>Gene Card/Patient Card Activity</b>	
Laminated Gene Cards (1 set)	
Laminated Patient Cards (1 set)	
Laminated Chromosomes (1 set)	
Stickers (8 sets of 10 of each color)	
<b>Fluor Staining Activity</b>	
Laminated Fluor Stain Cards (1 set)	
<b>Micropipetting Practice</b>	
96 Well Plates (x32)	
Suncatcher Laminated Keys (2 sets of 8)	
Small ... Micropipetting Lam. Key (1 set of 10)	

<b>Equipment</b>	
p20 Micropipettes (8)	
p200 Micropipettes (8)	
p1000 Micropipettes (8)	
Gel Boxes (RunOnes) (4)	
Thermocycler (1)	
mini centrifuges (2 or 3)	
LED Light box (1)	
Portable incubator (1)	

