



**American River College 2nd Edition Custom Introductory Biology Lab Kit  
(Kit1136)**

Below is the packing list for your eScience Labs kit. Please check your kit thoroughly to be sure all items have been included within the first 3 days of receiving your order. If you discover any problems, contact eScience Labs immediately.

[www.esciencelabs.com/support](http://www.esciencelabs.com/support)

Item	Quantity	Present
Access Code for American River College 2nd Edition Custom Introductory Biology Student Portal	1 (Under Box Lid)	
General Kit Instructions Booklet	1	
<b>LABWARE</b>		
10 mL Graduated Cylinder	1	
100 mL Beaker, plastic	5	
100 mL Graduated Cylinder	1	
250 mL Beaker, plastic	6	
Glass Test Tube	5	
Measuring Spoon	1	
Pipettes, disposable	20	
Plastic Test Tube	5	
Ruler	1	
Safety Bag (Apron, 5 pairs of gloves, glasses, 3 underpads)	1	
Test Tube Rack (Cardboard)	1	
Thermometer, small	1	
<b>ADDITIONAL MATERIALS</b>		
5-hole pop it beads	8	
Blue Beads	100	
Green Beads	100	
Permanent Marker	1	
Pop it beads, 32 of two different colors	64	
Red Beads	100	
Yellow Beads	100	
<b>MODULES</b>		
<b>General Lab Safety</b>		
Neutral Litmus Test Strips	8	
Weigh boats	2	
Sodium Bicarbonate (NaHCO <sub>3</sub> )	0.5 g	
<b>Chemistry of Life</b>		
Gelatin packet	1	

<b>Diffusion</b>		
Petri dish, 9 cm	1	
Glucose Test strips	4	
Rubber bands, small *Contains Latex	4	
Dialysis Tubing	15 cm	
<b>Osmosis</b>		
Aluminum Foil	60 cm	
Stir Stick, wooden	1	
<b>Enzymes</b>		
2 oz Empty bottle	1	
Spray Lid	2	
Balloon	3	
String	20 cm	
Yeast Packet	1	
<b>Cellular Respiration</b>		
Equal Packet	1	
Splenda Packet	1	
Sugar Packet	1	
Kidney Beans	100	
Medicine Cups	6	
Parafilm®	15 cm	
Pinto Beans	100	
Rubber bands, large *Contains Latex*	6	
Yeast Packet	1	
<b>DNA &amp; RNA</b>		
Pop it beads, 8 different colors	80	
Cheesecloth	15 cm	
Resealable bag, 5 x 8	1	
Rubber bands, large *Contains Latex	1	
Standing test tube	1	
Stir stick, wooden	1	
<b>CHEMICALS</b>		
1% Glucose Solution (C <sub>6</sub> H <sub>12</sub> O <sub>6</sub> )	30 mL	
1% Iodine-Potassium Iodide (IKI)	35 mL	
1% Sucrose Solution (C <sub>12</sub> H <sub>22</sub> O <sub>11</sub> )	15 mL	
3% Hydrogen Peroxide (H <sub>2</sub> O <sub>2</sub> )	30 mL	
4.5% Acetic Acid (C <sub>2</sub> H <sub>4</sub> O <sub>2</sub> )	230 mL	
20% Sodium Chloride Solution (NaCl)	16 g (80 mL)	
Biuret Solution (H <sub>2</sub> NC(O)NHC(O)NH)	10 mL	
Blue Dye	3 mL	
Bromothymol Blue (C <sub>27</sub> H <sub>28</sub> Br <sub>2</sub> O <sub>5</sub> S)	25 mL	
Corn Syrup (C <sub>12</sub> H <sub>22</sub> O <sub>11</sub> )	2 (60 mL ea)	
DNA Extraction Solution	10 mL	
Ethanol (C <sub>2</sub> H <sub>6</sub> O)	10 mL	
Liquid Starch (C <sub>6</sub> H <sub>10</sub> O <sub>5</sub> )	35 mL	
Red Dye	3 mL	

Unknown Solution	5 mL	
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