

Chromatography

SEP Kit Inventory List

User: _____

Labs: _____

Classes: _____

Teacher Provides

<input type="checkbox"/>	2-7 liter	Distilled Water To dilute 10X PBS buffer and to rinse empty columns (~1.2 liter/class)
<input type="checkbox"/>	50 ml	Ethanol (90% or 70%) Or isopropyl alcohol to clean tubes, ~ 50 ml
<input type="checkbox"/>	17 each	Ringstands and Clamps 1 per team & 1 teacher station

In Crate

<input type="checkbox"/>	1 bottle	Bio-Gel P-60 Slurry	<i>In 20% Ethanol</i>
<input type="checkbox"/>	8 set	Colored Pencils	<i>1 set/2 teams</i>
<input type="checkbox"/>	20 each	Columns, 120 μ m filter, 5 inch	<i>RETURN used columns 1 column/team + 4 extra</i>
<input type="checkbox"/>	1 set	Dye/Indicator Set (Supplies)	
<input type="checkbox"/>	1 bag	Filter Paper (large circle)	<i>For paper chromatography</i>
<input type="checkbox"/>	1 set	Food Coloring Set	<i>Includes glycerol; use to make extra practice solution</i>
<input type="checkbox"/>	1 each	Kit Notebook, Chromatography	
<input type="checkbox"/>	1 each	Large Column Apparatus	<i>For demonstration</i>
<input type="checkbox"/>	1 bag	Microtubes	<i>For samples</i>
<input type="checkbox"/>	18 each	Permanent Markers	<i>Keep caps closed tightly!</i>
<input type="checkbox"/>	ml	Phosphate-Buffered Saline, 10X	<i>Dilute to 1X before using (50 ml/class) Need 120 ml 10X/class</i>
<input type="checkbox"/>	16 each	Plastic Beakers, for Buffer	
<input type="checkbox"/>	16 each	Plastic Beakers, for Waste	
<input type="checkbox"/>	50 each	Plastic Transfer Pipets	<i>Please Discard Used Pipets</i>
<input type="checkbox"/>	16 each	Racks, for Test Tubes	<i>1 rack/team</i>
<input type="checkbox"/>	1 box	Tubes, glass (reusable)	<i>~400 tubes/box (16 tubes/team, ~256/class)</i>
<input type="checkbox"/>	1 each	Whiffle Ball Column Model	<i>For demonstration</i>

Refrigerator Box

<input type="checkbox"/>	1 tube	Blue Dextran	<i>MW 2,000,000 (Polysaccharide) 10 mg/ml</i>
<input type="checkbox"/>	25 ml	BSA Stock Solution	<i>Bovine Serum Albumin MW 67,000 (Protein) 2 mg/ml</i>
<input type="checkbox"/>	1 tube	Cytochrome C	<i>MW 12,327 (Protein) 10 mg/ml</i>
<input type="checkbox"/>	1 tube	Horseradish Peroxidase	<i>MW 44,000 (Protein) 10 mg/ml</i>
<input type="checkbox"/>	1 tube	Myoglobin	<i>MW 18,800 (Protein) 10 mg/ml</i>
<input type="checkbox"/>	tube	Ovalbumin	<i>MW 43,000 (Protein) 10 mg/ml (600 μl/tube) ~600 μl/class</i>
<input type="checkbox"/>	50 ml	Protein Detection Reagent	<i>Contains concentrated acid! ~8 ml/class</i>
<input type="checkbox"/>	1 tube	Riboflavin	<i>MW 376.4 (Vitamin) 10 mg/ml</i>
<input type="checkbox"/>	tube	Vitamin B12	<i>MW 1,355.4 (Vitamin) 10 mg/ml ~600 μl/class</i>