

Kit Materials List

1 Acetocarmine stain, 30 mL*	1 Poster, Visualizing Cellst
1 Activator solution, 1 mL*	1 Poster, Visualizing Meiosis†
1 Agar powder, 80 g*	1 Poster, Visualizing Mitosis†
1 Aluminum foil, 6" x 6"*	1 Rulers, 6-inch, p/20
1 Autumn leaf pigment sample, 2 mL*	1 Slide, animal cell mitosis
40 Bags, plastic, resealable	1 Slide, plant cell mitosis
1 Bromothymol blue indicator (0.1%), 30 mL*	1 Slides, <i>Anabaena</i> , wholemount, p/10
1 Centrioles, p/112	1 Slides, bacteria, mixed, p/10
1 Centromeres, magnetic, p/112	1 Slides, leaf tissue, cross-section, p/10
1 Chlorophyll concentrate, 1 mL	1 Slides, liver tissue, cross-section, p/10
2 Chromatography solvent, 30 mL*	1 Sodium chloride (NaCl), 10 g*
1 Clothespins, p/10	1 Sodium hydroxide (NaOH), 2%, 30 mL*
2 Cotton swabs, sterile, p/50*	1 Starch concentrate, 20 mL*
4 Coverslips, plastic, box*	2 Starch indicator solution (dilute iodine), 30 mL*
1 Culture tubes, with caps, p/10	50 Sticks, wooden
2 Cups, medicine, p/100	1 Stirrers, plastic, p/30
40 Cups, plastic, clear	1 Straws, plastic, p/10
2 Density indicator strips	1 String, roll
1 Diffusion media (8X), 500 mL*	4 Sucrose, 525 g*
10 Dishes, aluminum	1 Test strips, glucose, p/50*
1 <i>Elodea</i> , live material coupon*	2 Test tubes, p/20
1 Forceps, p/10	1 Tolidine blue stain, 0.5% aqueous, 30 mL*
1 Glucose, 37.5 g*	1 Toothpicks, flat, box
1 Hydrochloric acid (HCL), 1 N, 30 mL*	4 Trays, plastic
2 Hydrogen peroxide (3%), 473 mL*	10 Tryptic Soy Agar Melt & Pour (includes Petri plates)*
1 Janus Green B vital stain, 30 mL*	1 Tubing, dialysis, 8.5 m*
1 Knives, plastic, p/20	1 Vials with caps, p/20
20 Magnifiers	2 Yeast, baker's, p/3*
1 Methylene Blue solution (0.1%), 30 mL*	
1 Microfuge tubes, p/20	1 Curriculum Guide
4 Microscope slides, p/72*	1 Curriculum Resource CD-ROM
2 Paper strips, chromatography, p/10*	
1 Pipets, capillary, p/30*	
1 Pipets, plastic, p/100*	
1 Pop beads, blue, p/238	
1 Pop beads, green, p/238	
1 Pop beads, red, p/238	
1 Pop beads, yellow, p/238	

* = consumable item
† = in separate box

To order consumable items, please call 1-800-225-3739.

Teacher-Provided Items

- 40 Aprons
- 1 Balance, digital (readability 0.1 g)
- 1 Beaker, 1-L, microwave-safe
- 1 Beaker, 3-L, heat-safe
- 1 Bunsen burner
- Celery
- 1 Clock or watch with second hand
- 1 Erlenmeyer flask or beaker, 500-mL
- 40 Gloves
- Green onions (scallions) or garlic cloves
- 1 Hot plate
- 1 *Kingdom Sample set*
- 1 Kitchen mitts, pair
- 1 Knife, kitchen
- 1 Liver pulp, 5 g
- 10 Markers, set/3 (different colors)
- 10 Microscopes, compound light
- 1 Microwave oven
- 1 Mortar & pestle
- 11 Onions
- Paper towels
- 1 Pencil, wax
- 10 Pencils with erasers
- 10 Pencils, colored, set (red, yellow, green, blue)
- 1 Potato pulp, 5 g
- 10 Razor blades or scalpels
- 1 Refrigerator
- 40 Safety goggles
- 10 Scissors
- 10 Slides, animal cell
- 10 Slides, plant cell
- 1 Stirring rod, glass
- 10 Test tube racks
- 10 Thermometers
- Water, distilled (bottled)

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