

Kit Materials List

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| 3 | Agarose melt & cast (prepared) 0.8%, 400 mL* | 1 | Pop beads, orange (radioactive phosphate) p/180 |
| 1 | Article, <i>The Blue People of Troublesome Creek</i> | 1 | Pop beads, red (phosphate group) p/720 |
| 5 | Autoradiogram, sheets | 1 | Pop beads, white 5-hole (sugar group) p/815 |
| 1 | Bacteria, oil-hungry, 5 g* | 1 | Pop beads, yellow (adenine) p/120 |
| 45 | Bags, plastic, resealable | 1 | Poster, Human Genetic Disorder† |
| 1 | Case file, packet | 20 | Pots, plant |
| 1 | Cheesecloth, 2 square yards* | 4 | PTC test strips, p/100* |
| 1 | Chymosin, tablets, p/2* | 5 | Restriction enzyme cards, <i>NeoSCI I</i> |
| 1 | Coverslips, plastic, box | 5 | Restriction enzyme cards, <i>NeoSCI II</i> |
| 10 | Cups, clear plastic, 10 oz | 1 | Sand, coarse, 10 oz* |
| 1 | Cups, medicine, p/80 | 1 | Sand, fine, 10 oz* |
| 1 | DNA sample set (Lab 5)* | 3 | Scoops, plastic |
| 1 | DNA sample set (Lab 7)* | 1 | Seeds, genetically modified soybean (GMS), Roundup Ready® p/lb* |
| 1 | DNA sample set (Lab 8)* | 1 | Seeds, traditional soybeans (TS) p/lb* |
| 1 | Family tree, worksheet p/100 | 1 | Seeds, weed (mustard) p/lb* |
| 1 | Gravel, 10 oz* | 2 | Soil, potting, bags* |
| 1 | Herbicide, Roundup®, 30 mL* | 10 | Sticks, wooden |
| 20 | Labels, plant | 10 | Stirrers, plastic |
| 20 | Labels, tag | 6 | TBE running buffer, 10×, 125 mL* |
| 1 | Magnifying glasses p/10 | 10 | Trays, plastic |
| 1 | Methylene blue stain (Loeffler's), 30 mL* | 20 | Trays, watering |
| 1 | Microscope slides, p/72 | 20 | Vials, with caps |
| 1 | Milk, powdered, 70 g* | 1 | Vinegar, 30 mL* |
| 3 | Neo/BLUE™ DNA stain, 10×, 100 mL* | | |
| 1 | Oil, refined motor, 30 mL* | | |
| 2 | Pedigree symbol pieces, sheets p/2 | | |
| 3 | Pencil, wax* | | |
| 1 | Petri plates, 3-chamber p/10 | 1 | Curriculum Guide |
| 1 | pH strips, p/100* | 1 | Curriculum Resource CD-ROM |
| 1 | Pipets, plastic, p/40* | | |
| 220 | Pop beads, black (guanine) | | |
| 1 | Pop beads, blue (cytosine) p/310 | | |
| 1 | Pop beads, clear connectors (hydrogen bond) p/475 | | |
| 1 | Pop beads, green (thymine) p/165 | | |

* = 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
- 11 Beakers, glass, 100 mL
- 2 Beakers, 200 mL
- 5 Beakers, 500 mL
- 10 Casting trays, electrophoresis (includes end dams and well-forming comb)
- 1 Clock with second hand
- 5 Electrophoresis tanks (double-gel capacity)
- 3 Flasks, Erlenmeyer, 1 L
- 40 Gloves
- 5 Gloves, heat-resistant
- 1 Graduated cylinder, 50 mL
- 1 Graduated cylinder, 100 mL
- 1 Graduated cylinder, 1000 mL
- 1 Grow light (optional)
- 5 Hot plates
- 5 Micropipets, 10 μ L
- 10 Microscopes, compound light (400 \times)
- 1 Microwave oven
- 30 Paper, black construction
- 1 Paper towels, roll
- 10 Pens or pencils
- 2 Power supplies, variable-voltage (50, 100, and 125 V)
- 10 Rulers, 6-inch
- 40 Safety goggles
- 10 Scissors
- 1 Stirring rods
- 1 Tape, masking, roll
- 5 Thermometers
- 120 Tips, micropipet
- 10 Transparent tape, rolls
- Water, distilled (bottled)
- Water, tap
- 1 White-light transluminator (optional)

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