



a WOW Lab

BLUEPRINT

Gel Electrophoresis

Shopping List

The list is divided into consumable and reusable items. Quantities listed assume a class size of 30 students split into six groups. The listed initial cost assumes that the activity has never been performed before and that all of the materials must be purchased. The legend below provides details of where the materials can be found:

A = Arts and Crafts Store
D = Dollar Store
E = Educational Supplier

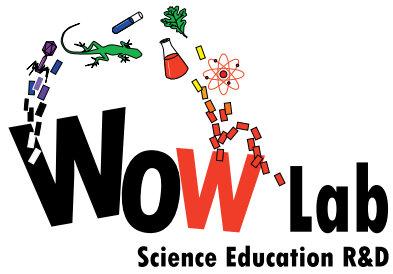
G = Grocery Store
H = Hardware Store
O = Online

P = Pharmacy
S = Specialty Store
U = University

CONSUMABLE ITEMS			
Item	Required Amount	Purchase Code	Total Cost
baking soda	12 g	G	\$2.00 (for 250 g)
bottled water	1.2 L	G	\$1.50
food colouring	1 pack	G	\$2.00
white coffee filter	6	G	\$1.00 (for 40)
agar powder	3 g	E	\$10.00 (for 25 g)
COST OF CONSUMABLE ITEMS:			\$16.50

REUSABLE ITEMS			
Item	Required Amount	Purchase Code	Total Cost
stainless steel wire (18-24 gauge)	300 cm	H	\$18.00 (for 1 lb)
500 ml square plastic container with lid (13 cm x 13 cm x 5 cm)	6	G	\$12.00
9 V battery	24	H	\$72.00
alligator clip lead	12	H	\$18.00
styrofoam plate	6	G	\$1.00
COST OF REUSABLE ITEMS:			\$121.00

INITIAL COST: \$137.50



a WOW Lab

BLUEPRINT

Gel Electrophoresis - Shopping List

Tools

- gloves
- wire cutters
- scissors
- pencil
- balance
- 36 glass vials
- 6 graduated cylinders (100 mL)
- 6 beakers (250 mL)
- 6 beakers (500 mL)
- masking tape
- 6 stir sticks
- microwave
- craft knife
- 6 tweezers
- pencil crayons (red, yellow and blue)
- ruler