

Flinn Scientific

Laboratory Experiments for General, Organic and Biological Chemistry

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Laboratory Equipment and General Supplies*

Quantities are for 24 students working in groups.

Item	Catalog No.	Quantity	Experiment(s)
Aspirators for vacuum filtration	AP1136	3	26
Balances, electronic, 0.001 g	OB2143		10, 29
Balances, electronic, 0.01 g	OB2141	3	1, 2, 4, 7, 9, 11, 17, 21, 26, 30, 31, 32, 35, 36
Barometer	AP1884	1	10
Black (UV) light	AP2075	3	23
Blender, laboratory	AP8477	1	34
Boiling stones	B0136	†	7, 23, 26, 27, 28
Buchner funnels and adapters	AP1521	12	26
Buret clamps	AP2261	12	18
Butane safety lighters	AP8960	6	6, 23, 32
Capillary tubes	GP7047	†	26
Casting trays with well combs	FB0321	12	36
Ceramic, heat-resistant pads	AP1241	12	6, 13, 33
Cheesecloth	FB0570	†	35
Chromatography jars with lids	AP7532	12	26
Clamps	AP8354	12	7, 26
Color chart, Universal Indicator	AP5367	†	19
Conductivity testers, low voltage	AP1493	5	7
Cork stoppers	AP8320	Assorted	23, 24
Cotton balls	FB0680	†	23, 25
Cotton swabs	AP1737	†	33
Crucible tongs	AP8266	12	6
Diffraction gratings	AP1047	12	3
Digital micropipets, 2-20 uL	AP1805	6	36
Digital pipet tips, disposable	AP1808	†	36
Disposable (plastic) pipets, graduated	AP1516	†	4, 5, 6, 7, 12, 13, 15, 16, 17, 18, 19, 21, 23, 24, 25, 26, 27, 28, 29, 30, 31, 33, 35
Electrophoresis chambers	FB1714	6	36
Evaporating dishes, aluminum (disposable)	AP6839	†	7
Evaporating dishes, porcelain	AP1274	12	6
Filter paper	Assorted	†	4, 9, 17, 26, 28, 30, 34
Foam cups	AP1190	24	11
Forceps or tweezers	AP8328	12	5, 23, 33

*Does not include consumer materials, such as fruit juices, pennies and nails, for various application-oriented experiments. Please see the Master Materials List for each experiment.

†These items are disposable. Quantities will vary per experiment. See the Master Materials List for each experiment.

Item	Catalog No.	Quantity	Experiment(s)
Handheld spectrosopes	AP6040	12	3
Helium gas discharge (spectrum) tube	AP7619	1	3
Hot vessel gripping device	SE039	6	13
Hot plates	AP7237	3–6	7, 13, 14, 15, 23, 25, 26, 27, 28, 29, 31, 33,
Hydrogen gas discharge (spectrum) tube	AP7618	1	3
Laboratory burners	AP5344	12	6, 7
Laser pointers	AP8934	6	13
Lens paper	AB1175	†	33, 34
Light box	AP6395	1	36
Litmus paper, blue	AP7923	†	23
Litmus paper, red	AP7945	†	5, 6
Magnetic stirrers	AP8578	1–6	14, 32
Magnifiers	AP8256	12	4, 7
Melting point apparatus	AP7431	1	26
Metric rulers	AP1872	12	1, 10, 20, 21, 36
Micro spatulas	AP9015	24	23, 24
Molecular model sets (inorganic)	AP6852	6	8
Molecular model sets (organic)	AP5453	12	22
Mortar and pestle sets	AP8258	12	7, 30, 33
Multimeters	AP9000	6	33
Neon gas discharge (spectrum) tube	AP7617	1	3
Parafilm M®	AP1501	†	21, 35
pH meters	AP8673	3	31
pH paper	AP5984	†	19, 31, 34
Pipet bulbs	AP1887	12	2
Plastic cups (clear)	AP7294	60	14
Power supplies for electrophoresis units	FB0316	6	36
Radiation detectors or monitors	TC1564	8	20
Radiation sources (sets of three, α , β , and γ)	AP8796	4	20
Reaction plates, 24-well	AP1447	12	5, 7, 12, 16, 17, 19
Ring clamps	AP8332	12	3, 4, 26, 32
Ring stands	AP8226	12	3, 4, 18, 26, 32
Rubber stoppers	AP6229	12	10, 32
Scissors, heavy duty	AP8947	6	10, 20
Spatulas	AP1323	12	4, 6, 7, 9, 11, 30, 31, 33
Spectrophotometers or colorimeters	AP7026	6	13, 34
Spectrosopes, advanced	AP5716	4	3
Spectrum tube power supplies	AP7616	4	3
Staining trays	FB2026	Pkg/6	36
Stirring rods	AP1650	24	4, 7, 9, 11, 14, 15, 19, 21, 26, 28, 29, 31, 32, 33
Stopwatches or timers	AP1572	12	17, 29, 34
Syringes, disposable (w/o needle), 1-mL	AP5389	12	17

Item	Catalog No.	Quantity	Experiment(s)
Test tube clamps	AP8217	12	6, 7, 27, 28, 30
Test tube racks	AP1677 or AP1678	12	6, 7, 15, 19, 23, 24, 25, 26, 27, 28, 29, 30, 31, 34, 35
Thermometers, digital	AP6049	12	5, 10, 11, 15, 26, 28, 29, 31, 32, 36
TLC plates	AP9095	†	26
Toothpicks	AP6010	†	7, 12, 16, 17
UV Lamp, shortwave	AP6658	1	26
Wash bottles, acetone	AP1673	6	7, 23, 24
Wash bottles, DI water	AP1672	12	4, 6, 7, 9, 10, 14, 15, 16, 18, 21, 24, 25, 26, 27, 28, 29, 30, 31
Weighing dishes	AP1278	†	1, 4, 7, 11, 31, 35, 36
Wood splints	AP4455	†	6, 9, 23