



KIMBLE®

CHEMISTRY KITS & STARTER PACKS



DWK LIFE SCIENCES
DURAN WHEATON KIMBLE

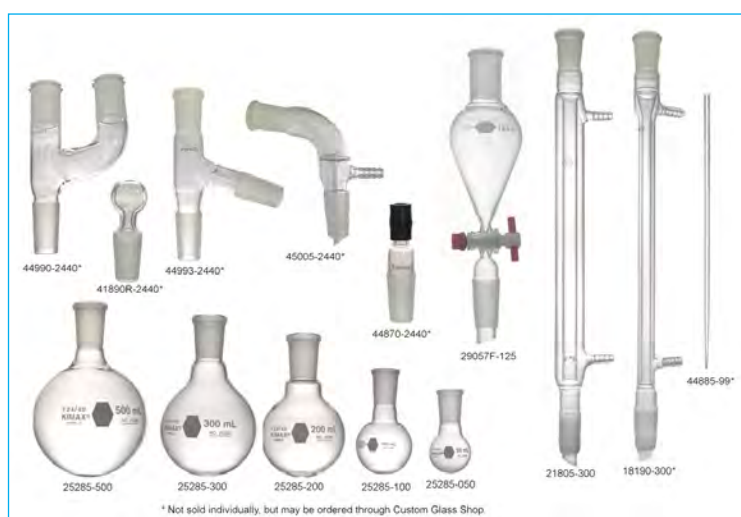


Full Scale Organic Chemistry Kits

This organic chemistry KIMAX® LABSET™ includes a selection of basic glassware for extraction, reflux, reflux with addition, fractionation and distillation (steam, atmospheric, and vacuum), as well as other organic preparations.

- Full-length Standard Taper 24/40 joints.
- Case is heavyweight corrugated, and inserts are soft foam.
- Glassware is manufactured from 33 expansion, low extractable borosilicate glass conforming to USP Type I and ASTM E438, Type I, Class A requirements

Cat. No.	Qty/Case
33820-99	1



* Not sold individually, but may be ordered through Custom Glass Shop

Replacement Parts

Cat. No.	Description	Qty/Case
21805-300	Jacketed Column, full length 24/40 joints, 45 mL, fits tubing ID 5/16", 300 mm jacket length	1
25285-50	Short Neck Round Bottom Boiling Flask, full length 24/40 joint, 50 mL, 100 mm height, 48 mm OD, shelf pack quantity is 2	12
25285-100	Short Neck Round Bottom Boiling Flask, full length 24/40 joint, 100 mL, 115 mm height, 63 mm OD, shelf pack quantity is 2	12
25285-200	Short Neck Round Bottom Boiling Flask, full length 24/40 joint, 200 mL, 130 mm height, 75 mm OD, shelf pack quantity is 2	12
25285-300	Short Neck Round Bottom Boiling Flask, full length 24/40 joint, 300 mL, 145 mm height, 88 mm OD, shelf pack quantity is 2	12
25285-500	Short Neck Round Bottom Boiling Flask, full length 24/40 joint, 500 mL, 160 mm height, 102 mm OD, shelf pack quantity is 2	12
29057F-125	125 mL Separatory Funnel, Standard Taper 24/40 joint, PTFE stopcock, 2 mm stopcock bore size	1
452000-2430	West Condenser with Full Length 24/40 Joints	1
851000-2440	Full Length Standard Taper Pennyhead Glass Stopper	1
199000-2440	Thermometer Inlet Adapter with Top Tubulature	1
273410-0000	Bleed Type Inlet Adapter	1
161500-2440	Claisen Distillation Adapter	1
167500-2440	75° Connecting Distillation Adapter	1
205600-2440	105° Distillation Bent Adapter with Vacuum Take-Off and Outer Hose Connection	1

KEM-KITS® contain a selection of basic small-scale glassware for extraction, reflux, reflux with addition, fractionation, and distillation (steam, atmospheric, and vacuum), as well as for other organic preparations.

- The components are supplied in a double-wall heavy-duty polyethylene storage case with a handle and hinged lid
- A comprehensive instruction manual by Dr. William B. Martin of Lake Forest College, Illinois, is provided with each kit
- Manufactured from 33 expansion, low extractable borosilicate glass conforming to USP Type I and ASTM E438, Type I, Class A requirements

Cat. No.	Qty/Case
269320-0000	1



Macroscale KEM-KIT® Standard Taper 14/20 Kit

Replacement Parts

Cat. No.	Description	Qty/Case
273410-0000	Bleed-Type Inlet, OD 6.4 mm, tip ID 0.5 mm, overall length 280 mm	1
273750-0000	Claisen Distillation Adapter, 14/20 Standard Taper joints, overall height 113 mm, overall width 69 mm, use with 179700 or 179800 adapters	1
274950-0000	75° Connecting Distillation Adapter, 14/20 Standard Taper joints, overall height 105 mm, overall width 55 mm	1
275410-1420	Thermometer Inlet with Top Tubulature, 14/20 Standard Taper joints, overall height 50 mm	1
276400-0000	105° Bent Distillation Adapter with Vacuum Take-Off, 14/20 Standard Taper joints, Fits tubing ID 1/4", overall height 100 mm	1
282550-0000	West Medium Length Condenser, 14/20 Standard Taper joints, jacket length 110 mm, approx. condensing area 45cm ² , fits tubing ID 1/4", approx. overall height 190 mm	1
286820-0110	Distilling / Condensing Column, 14/20 Standard Taper joints, column height 110 mm, fits tubing ID 1/4"	1
294000-0025	25 mL Heavy Wall Round Bottom Boiling Receiving Flask, 14/20 Standard Taper joints, OD 42 mm	1
294000-0050	50 mL Heavy Wall Round Bottom Boiling Flask, 14/20 Standard Taper joints, OD 48 mm	1
294000-0100	100 mL Heavy Wall Round Bottom Boiling Flask, 14/20 Standard Taper joints, OD 64 mm	1
294000-0250	250 mL Heavy Wall Round Bottom Boiling Flask, 14/20 Standard Taper joints, OD 83 mm	1



MacroScale KEM-KIT® Standard Taper
19/22 Kit

KEM-KITS® contain a selection of basic small-scale glassware for extraction, reflux, reflux with addition, fractionation, and distillation (steam, atmospheric, and vacuum), as well as for other organic preparations.

- Supplied in a double-wall heavy-duty polyethylene storage case with a handle and hinged lid
- A comprehensive instruction manual by Dr. William B. Martin of Lake Forest College, Illinois, is provided with each kit
- Manufactured from 33 expansion, low extractable borosilicate glass conforming to USP Type I and ASTM E438, Type I, Class A requirements

Cat. No.	Qty/Case
269800-0000	1



Replacement Parts

Cat. No.	Description	Qty/Case
273410-0000	Bleed-Type Inlet Adapter, 6.4 mm OD, 0.5 mm tip ID, 280 mm overall length	1
273760-0000	Claisen Distillation Adapter, 19/22 Standard Taper Joints, use with 179700 or 179800 adapters, 125 mm Overall height, 72 mm Overall width	1
275060-0000	Connecting Distillation Adapter, 19/22 Standard Taper joints, 105 mm Overall height, 75 mm Overall width	1
275410-1922	Thermometer Inlet with Top Tubulature, 19/22 Standard Taper joints, 57 mm Overall height	1
276410-0000	105° Bent Distillation Adapter with Vacuum Take-Off, 19/22 Standard Taper joints, Fits tubing ID 1/4", 104 mm Overall height	1
282460-0200	West Medium Length Condenser, 19/22 Standard Taper joints, Jacket length 200 mm, Approx. condensing area 66cm ² , Fits tubing ID 1/4", Approx. overall height 285 mm	1
286810-0200	Distilling / Condensing Column, 19/22 Standard Taper joints, 200 mm Column height, Fits tubing ID 1/4"	1
294010-0025	25 mL Heavy Wall Round Bottom Boiling Receiving Flask, 19/22 Standard Taper joints, OD 42 mm	1
294010-0050	50 mL Heavy Wall Round Bottom Boiling Flask, 19/22 Standard Taper joints, OD 48 mm	1
294010-0100	100 mL Heavy Wall Round Bottom Boiling Flask, 19/22 Standard Taper joints, OD 64 mm	1
294010-0500	250 mL Heavy Wall Round Bottom Boiling Flask, 19/22 Standard Taper joints, OD 83 mm	1
294010-1000	500 mL Heavy Wall Round Bottom Boiling Flask, 19/22 Standard Taper joints, OD 102 mm	1
298290-0125	125 mL Pear-Shaped Squibb Separatory Funnel, PTFE Plug, 19/22 joints, Overall height 210 mm, Stopcock bore size 2 mm	1
850500-1922	Solid Pennyhead Stopper, Medium Length 19/22 Standard Taper joint	1
269501-0002	Foam Insert for 14/20 and 19/22 KEM-KIT®	1

Designed to address the experiments detailed in the Williamson text, Macroscale and Microscale Organic Experiments, published by D.C. Heath and Company, Lexington, Massachusetts.

- Smaller quantities afford a greater degree of safety, improve air quality in the lab and substantially reduce disposal costs
- Separatory funnel for extractions and for liquid addition in reaction assemblies
- Classical atmospheric, steam, fractional, and vacuum distillations are possible with kit components
- Apparatus set-up time is minimal, providing the student with more lab time
- Glassware manufactured from 33 expansion, low extractable borosilicate glass conforming to USP Type I and ASTM E438, Type I, Class A requirements

Cat. No.	Qty/Case
269330-0000	1



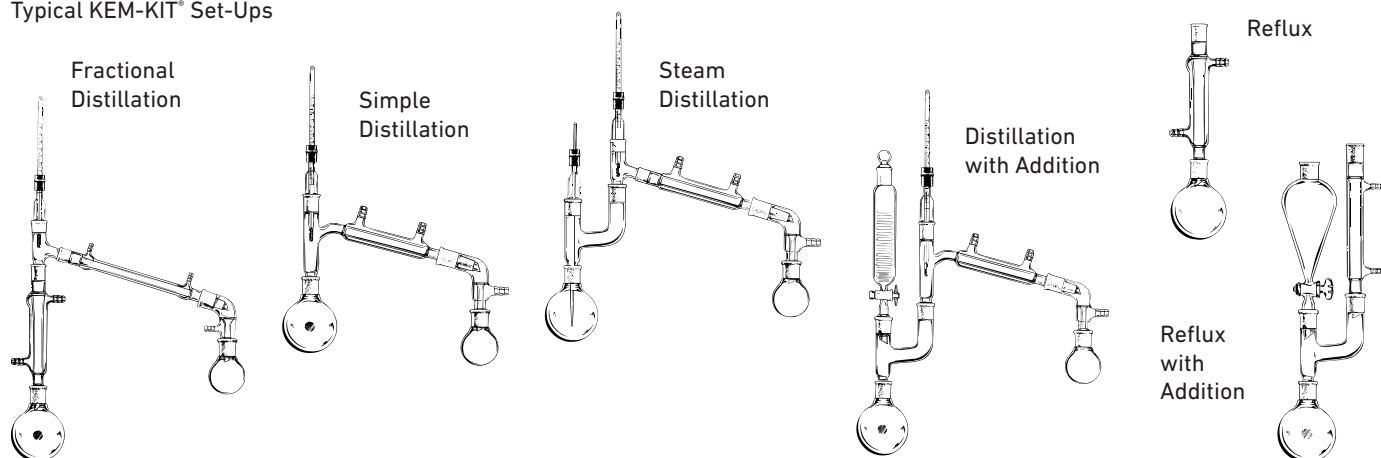
Williamson Macroscale KEM-KIT®
Standard Taper 14/20



Replacement Parts

Cat. No.	Description	Qty/Case
251450-0015	15 mL Pear-Shaped BEVEL-SEAL™ Flask with Side Arm, 14/20 Standard Taper joints, 13-425 GPI Thread, 80 mm Overall height	1
273755-0000	Claisen Distillation Adapter, 14/20 Standard Taper joints, use with 179700 or 179800 adapters, 95 mm Overall height, 64 mm Overall width	1
274960-0000	75° Connecting Distillation Adapter, Thermometer, BEVEL-SEAL™, 14/20 Standard Taper joints, 13-425 GPI Thread, 75 mm Overall height, 50 mm Overall width, 25 mm Thermometer immersion	1
276405-0000	Extended 105° Distillation Bent Adapter with Vacuum Take-Off, 14/20 Standard Taper Joints, Fits tubing ID 1/4", 100 mm Overall height	1
282555-0000	Jacketed West Condenser, Medium Length 14/20 Standard Taper Joints, Approx. condensing area 38 cm², Fits tubing ID 3/8", 80 mm jacket length, 160 mm Overall Height	1
286100-0000	Distilling Column, 120 mm Column height, 170 mm Overall height, 14/20 Standard Taper joints	1
294300-0050	50 mL Heavy Wall Recovery Flask with Standard Joint Bead, 14/20 Standard Taper joints, 48 mm OD	1
294300-0100	100mL Heavy Wall Recovery Flask with Standard Joint Bead, 14/20 Standard Taper Joints, 60 mm OD	1
298281-0125	125 mL Micro Separatory Funnel without stopper, PTFE Plug, 14/20 joints, 190 mm Overall height	1
411800-0015	Plain Beaded Top Centrifuge Tube with Snap Cap, 15 mL, 2980 Max RCF, 120 mm Overall height, 20 mm Overall OD	1
420163-1500	One-Way Stopcock Valve, Nylon Body, HDPE Plug, Female Luer to Male Luer, 14/20 Standard Taper joints	5
420166-1001	DISPOSAFLEX Column Set, Assembled, 8 mm ID, 150 mm Column length, 9 mL Reservoir capacity, 6 mL Column capacity, Overall length 215 mm	5
420164-1000	Polypropylene Reservoir for use with DISPOSAFLEX® Columns, 14/20 Standard Taper joints	50
420168-1000	Polypropylene Luer Fitting for use with DISPOSAFLEX® columns	50
420162-0020	20 µm Polyethylene Bed support	100
675300-0014	Size 14 Polyacetyl Standard Taper clamp, yellow, Fits joint sizes 14/20 and 14/35	12
748002-0000	Filter Adapter, Pluro Stopper, 14/20 Standard Taper joints	10
748010-1025	25mL Filter Flask, 14/20 Standard Taper Joints	1
748012-1000	Hirsch Funnel, 14/20 Standard Taper Joints	5
748017-0020	Polyethylene Disc, 20 Microns	100
850400-1420	14/20 Standard Taper joints, Hollow Glass Hex Head Stopper, Medium Length	1

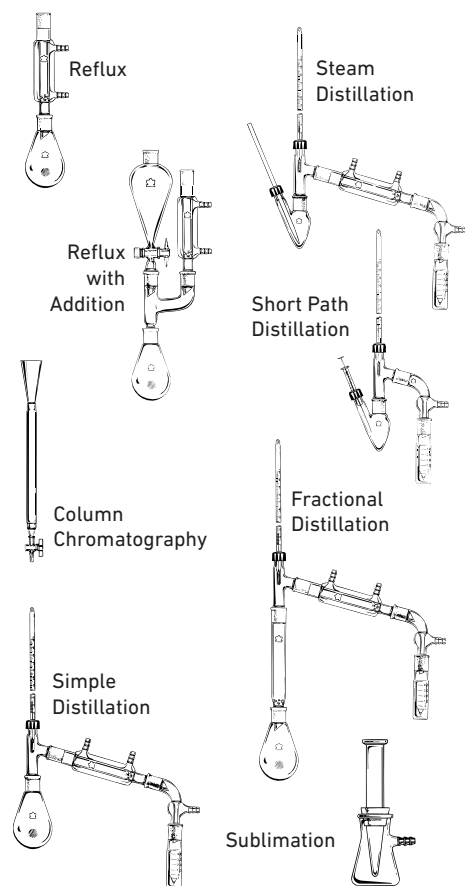
Typical KEM-KIT® Set-Ups



Macroscale and Microscale Organic Experiments

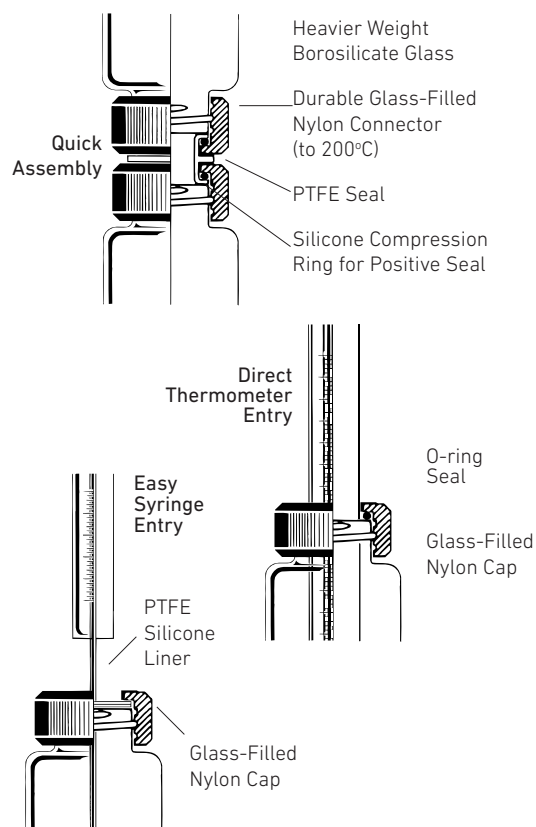
by
Kenneth L. Williamson

Houghton Mifflin Co.
ISBN-10: 0-618-59067-6
ISBN-13: 978-0-618-59067-4



MICROFLEX® Threaded Connection

No Grease, clamps or hooks and springs.



The Super Academic kit contains components necessary to perform the experiments described in the following texts: Organic Laboratory Techniques: A Microscale Approach, Pavia, Lampman, Kriz, Engel, Saunders College Publishing and Microscale Organic Laboratory, Mayo, Pike, Butcher, John Wiley and Sons.

- Kits are packed in a rugged polyethylene storage case (2 1/2" H x 13 1/2" W x 10" D) with a die-cut foam insert
- 747020-0005 is in an EKONO-CASE™, a low-cost corrugated cardboard alternative to plastic
- Kits fit easily into lab bench drawers
- The 747000 series MICROFLEX® kits feature threaded chaste connections which can be assembled "right-side up" or "up-side down," providing great versatility
- High temperature-resistant blue nylon connectors
- Ideal for use up to 200 °C
- Glassware is manufactured from 33 expansion, low extractable borosilicate glass conforming to USP Type I and ASTM E438, Type I, Class A requirements

Size 107 FKM O-ring is included but is not available as a replacement part

Cat. No.	Qty/Case
747020-0000	1
747020-0005	1



Microscale MICROFLEX® Threaded Super Academic Organic Chemistry Kit



Replacement Parts

Cat. No.	Item	Description	Qty/Case
747100-0000	A	Claisen Adapter, 13-425 GPI finish	1
747120-0000	B	Connecting Adapter, 13-425 GPI finish	1
747140-0000	C	Vacuum Adapter 13-425, 20-400 GPI Finish	1
747160-0000	D	Connector, 13-425 to 1/4"-28 GPI Finish	1
747185-0013	E	PTFE Hose Connector, 13-425 to 1/4"-28	1
747190-0010	F	Micro Beaker, 10 mL	6
747205-1313	G	13-425 to 13-425 Threaded Connecting Adapter	1
747205-1320	H	13-425 to 20-400 Threaded Connecting Adapter	1
747205-2020	I	20-400 to 20-400 Threaded Connecting Adapter	1
747250-0000	J	Water Jacketed Condenser, 13-425 GPI Finish	1
747300-0050	K	Drying Tube/Chromatography Column, 100 mm, 13-425 GPI finish, 50 mm Stem size	1
747300-0100	L	Air Condenser, 13-425 GPI Finish, 100 mm Stem Size	1
747350-0000	M	Hickman Distillation Head	1
747400-2313	N	PTFE Filter, 30-60 microns, 13 mm Stem Size	6
747405-0013	O	PTFE Filter Support, 13 mm Stem Size	6
747500-0010	P	Cylindrical Flask, 10 mL	1
60700-1	Q	1 mL Graduated ACCUFORM® Micro-Vial, with Open Top Closure and PTFE-Faced Silicone Septum, 33 Expansion Borosilicate Glass, Screw Thread, Assembled, 13-425 GPI Finish, 49 mm Length, 14 mm OD	12
60700-3	R	3 mL Graduated ACCUFORM® Micro-Vial, with Open Top Closure and PTFE-Faced Silicone Septum, 33 Expansion Borosilicate Glass, Screw Thread, Assembled, 20-400 GPI Finish, 51 mm Length, 21 mm OD	12
60700-5	S	5 mL Graduated ACCUFORM® Micro-Vial, with Open Top Closure and PTFE-Faced Silicone Septum, 33 Expansion Borosilicate Glass, Screw Thread, Assembled, 20-400 GPI Finish, 62 mm Length, 21 mm OD	12
749060-0000	T	V-Shaped PTFE Magnetic Stir Vane, Fits ACCUFORM Vial Sizes 0.3 and 1 mL	6
749060-0003	U	V-Shaped PTFE Magnetic Stir Vane, Fits ACCUFORM Vial Sizes 2, 3, and 5 mL	6
410119-1307	W	Blue Glass-Filled Nylon Open-Top Compression Cap, 13-425 GPI Threaded, Approx. hole diameter mm	12
747001-0002		Foam Insert Set	1
746001-0001		Storage Case, 2 1/2" x 13 1/2" x 10"	1



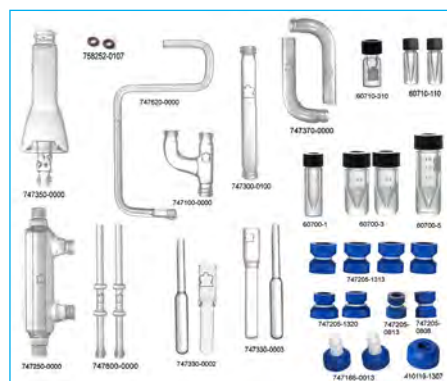
Microscale MICROFLEX® Threaded Standard Organic Chemistry Kit

The Standard Academic kit contains all the components necessary to perform the experiments described in the following texts: Organic Laboratory Techniques: A Microscale Approach, Pavia, Lampman, Kriz, Engel, Saunders College Publishing and Microscale Organic Laboratory, Mayo, Pike, Butcher, John Wiley and Sons.

- 747010-0000 is packed in a rugged polyethylene storage case (2 1/2" H x 13 1/2" W x 10" D) with a die-cut foam insert
- 747010-0005 is in an EKONO-CASE™, a low-cost corrugated cardboard alternative to plastic
- Kits fit easily into lab bench drawers
- The 747000 series MICROFLEX® kits feature threaded chaste connections which can be assembled "right-side up" or "upside down," providing great versatility
- High-temperature-resistant blue nylon connectors
- Ideal for use up to 200 °C
- Glassware is manufactured from 33 expansion, low extractable borosilicate glass conforming to USP Type I and ASTM E438, Type I, Class A requirements

Size 107 FKM o-ring is included but not available as a replacement part

Cat. No.	Qty/Case
747010-0000	1
747010-0005	1



Replacement Parts

Cat. No.	Item	Description	Qty/Case
747100-0000	A	Claisen Adapter, 13-425 GPI Finish	1
747185-0013	B	PTFE Hose Connector, 13-425 to 1/4"-28	1
747205-0808	C	8-425 to 8-425 Threaded Connecting Adapter	1
747205-0813	D	8-425 to 13-425 Threaded Connecting Adapter	1
747205-1313	E	13-425 to 13-425 Threaded Connecting Adapter	1
747205-1320	F	13-425 to 20-400 Threaded Connecting Adapter	1
747250-0000	H	Water Jacketed Condenser, 13-425 GPI Finish	1
747300-0100	I	Air Condenser, 13-425 GPI Finish, 100 mm Stem Size	1
747330-0002	J	Craig Recrystallization Tube, 1 mL	1
747330-0003	K	Craig Recrystallization Tube, 2 mL	1
747350-0000	L	Hickman Distillation Head	1
747370-0000	M	Drying Tube, 13-425 GPI Finish	1
747600-0000	N	GC Collection Tube, 8-425 GPI Finish	1
747620-0000	O	Capillary Gas Delivery Tube, 8-425 GPI Finish	1
60710-110	P	0.1 mL Graduated ACCUFORM® Autosampler Micro-Vial, with Open Top Closure and PTFE-Faced Silicone Septum, 33 Expansion Borosilicate Glass, Screw Thread, Assembled, 8-425 GPI Finish, 32 mm Length, 12 mm OD	12
60710-310	Q	0.3 mL Graduated ACCUFORM® Autosampler Micro-Vial, with Open Top Closure and PTFE-Faced Silicone Septum, 33 Expansion Borosilicate Glass, Screw Thread, Assembled, 13-425 GPI Finish, 36 mm Length, 14 mm OD	12
60700-1	R	1 mL Graduated ACCUFORM® Micro-Vial, with Open Top Closure and PTFE-Faced Silicone Septum, 33 Expansion Borosilicate Glass, Screw Thread, Assembled, 13-425 GPI Finish, 49 mm Length, 14 mm OD	12
60700-3	S	3 mL Graduated ACCUFORM® Micro-Vial, with Open Top Closure and PTFE-Faced Silicone Septum, 33 Expansion Borosilicate Glass, Screw Thread, Assembled, 51 mm Length, 21 mm OD	12
60700-5	T	5 mL Graduated ACCUFORM® Micro-Vial, with Open Top Closure and PTFE-Faced Silicone Septum, 33 Expansion Borosilicate Glass, Screw Thread, Assembled, 20-400 GPI Finish, 62 mm Length, 21 mm OD	12
410119-1307	U	Blue Glass-Filled Nylon, 13-425 GPI Threaded, Open-Top Compression Cap, Approx. Hole Diameter 7 mm	12
747011-0002		Foam Insert Set	1
746001-0001		Storage Case, 2 1/2" x 13 1/2" x 10"	1

The MICROFLEX® Threaded Research Organic Chemistry kit contains components necessary to perform experiments described in the following texts: Organic Laboratory Techniques: A Microscale Approach, Pavia, Lampman, Kriz, Engel, Saunders College Publishing and Microscale Organic Laboratory, Mayo, Pike, Butcher, John Wiley and Sons.

- 747000-0000 is packed in a rugged polyethylene storage case (2 1/2" H x 13 1/2" W x 10" D) with a die-cut foam insert
- Kits fit easily into lab bench drawers
- 747000-0005 is in an EKONO-CASE™, a low-cost corrugated cardboard alternative to plastic
- The 747000 series MICROFLEX® kits feature threaded chaste connections which can be assembled "right-side up" or "upside down," providing great versatility
- High-temperature-resistant blue nylon connectors
- Ideal for use up to 200 °C
- Glassware is manufactured from 33 expansion, low extractable borosilicate glass conforming to USP Type I and ASTM E438, Type I, Class A requirements

Size 107 FKM O-ring and 2 x 7 mm micro spinbar are included but are not available as replacement parts



Microscale MICROFLEX® Threaded Research Organic Chemistry Kit

Cat. No.	Qty/Case
747000-0000	1
747000-0005	1

Accessories


Cat. No.	Description	Qty/Case
747400-2320	PTFE Filter, 30-60 microns, 20 mm Stem size	6
747405-0020	PTFE Filter Support, 20 mm Stem size	6



Replacement Parts

Cat. No.	Item	Description	Qty/Case
747100-0000	A	Claisen Adapter, 13-425 GPI finish	1
747120-0000	B	Connecting Adapter, 13-425 GPI finish	1
747160-0000	C	Vacuum Adapter 13-425, 20-400 GPI Finish	1
747160-0000	D	Connector, 13-425 to 1/4"-28 GPI Finish	1
747185-0013	E	PTFE Hose Connector, 13-425 to 1/4"-28	1
747190-0010	F	Micro Beaker, 10 mL	6
747205-1313	G	13-425 to 13-425 Threaded Connecting Adapter	1
747205-1320	H	13-425 to 20-400 Threaded Connecting Adapter	1
747205-2020	I	20-400 to 20-400 Threaded Connecting Adapter	1
747250-0000	J	Water Jacketed Condenser, 13-425 GPI Finish	1
747300-0050	K	Drying Tube/Chromatography Column, 100 mm, 13-425 GPI finish, 50 mm Stem size	1
747300-0100	L	Air Condenser, 13-425 GPI Finish, 100 mm Stem Size	1
747350-0000	M	Hickman Distillation Head	1
747400-2313	N	PTFE Filter, 30-60 microns, 13 mm Stem Size	6
747405-0013	O	PTFE Filter Support, 13 mm Stem Size	6
747500-0010	P	Cylindrical Flask, 10 mL	1
60700-1	Q	1 mL Graduated ACCUFORM® Micro-Vial, with Open Top Closure and PTFE-Faced Silicone Septum, 33 Expansion Borosilicate Glass, Screw Thread, Assembled, 13-425 GPI Finish, 49 mm Length, 14 mm OD	12
60700-3	R	3 mL Graduated ACCUFORM® Micro-Vial, with Open Top Closure and PTFE-Faced Silicone Septum, 33 Expansion Borosilicate Glass, Screw Thread, Assembled, 20-400 GPI Finish, 51 mm Length, 21 mm OD	12
60700-5	S	5 mL Graduated ACCUFORM® Micro-Vial, with Open Top Closure and PTFE-Faced Silicone Septum, 33 Expansion Borosilicate Glass, Screw Thread, Assembled, 20-400 GPI Finish, 62 mm Length, 21 mm OD	12
749060-0000	T	V-Shaped PTFE Magnetic Stir Vane, Fits ACCUFORM Vial Sizes 0.3 and 1 mL	6
749060-0003	U	V-Shaped PTFE Magnetic Stir Vane, Fits ACCUFORM Vial Sizes 2, 3, and 5 mL	6
410119-1307	W	Blue Glass-Filled Nylon Open-Top Compression Cap, 13-425 GPI Threaded, Approx. hole diameter mm	12
747001-0002		Foam Insert Set	1
746001-0001		Storage Case, 2 1/2" x 13 1/2" x 10"	1

Typical Mayo / Microscale Set-ups – Quick . . . Easy-to-Assemble.



Micro Vials
The shape that makes handling milligram quantities easy.

Basic Assembly

Sample in Upper Tube

- 1) Transfer with Filtration
- 2) Sample Clean Up
- 3) Centrifuge
- 4) Micro Chromatography
- 5) Concentrate Sample

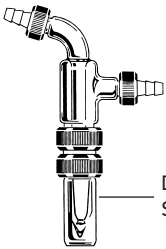
Filter

Filter Support

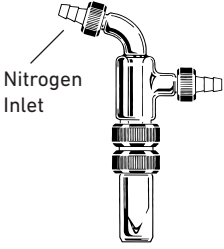
Sample in Lower Tube

- 1) Reflux in Air Condenser
- 2) Freeze Dry - Direct Connection to 1/2" ID Hose

- Derivatization - wide area of application
- Centrifugation - strong, high "G" forces 30,000xG
- Sample Concentration - microliter
- Catalytic Hydrogenation
- Radiosynthesis
- Phase Extraction
- Prepare - React - Extract - Concentrate - Retrieve - and Store




Negative Pressure Dialysis

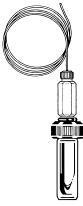


Nitrogen Inlet

Sample Concentration with Inlet Atmosphere




Chromatography Column with Reservoir

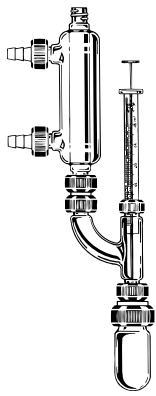


Gaseous Product Generator

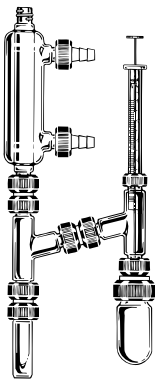
Typical Research/Microscale Applications – Quick . . . Easy-to-Assemble.



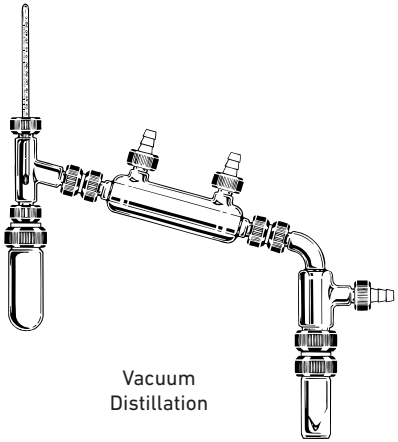
Molecular Distillation



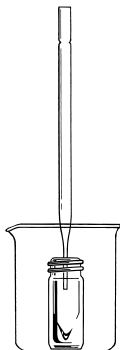
Reflux with Addition



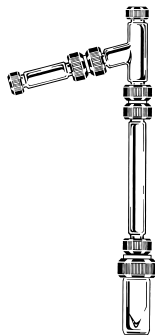
Reaction / Distillation with Liquid Addition



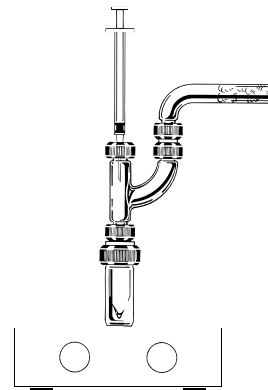
Vacuum Distillation



Chromatography
Pasteur Pipet



Reflux with
Drying Tube



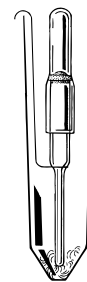
Reaction with Addition
Claisen Adapter Syringe
Drying Tube (moisture
protection)



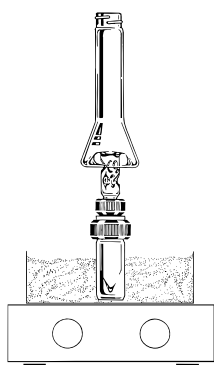
Vacuum Filtration with
Hirsch Funnel



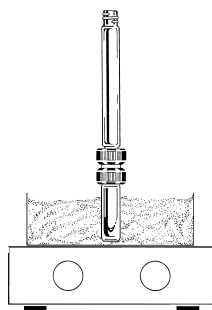
Gas Chromatography
GC Collection Tube
0.1 mL Micro Vial



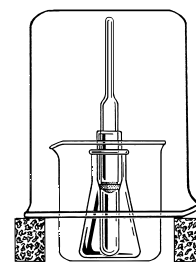
Crystallization
Using Centrifugation



Distillation
Hickman Distillation Head



Reaction
Reflux with
Air Condenser



Crystallization
Craig Tube - Slow
Crystallization



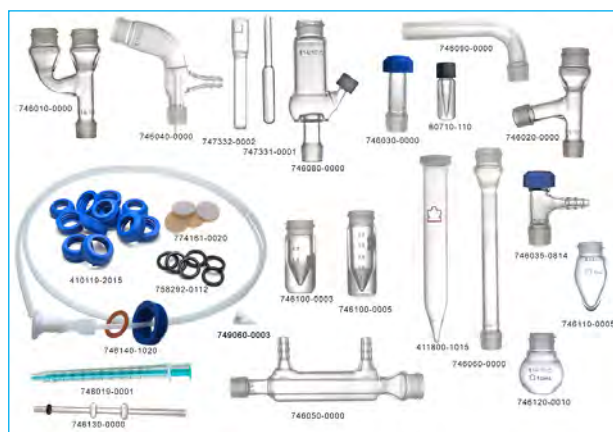
Microscale Threaded Standard 14/10 Kit

The Standard Kit contains all the components necessary to perform the experiments described in the following texts: Organic Laboratory Techniques: A Microscale Approach, Pavia, Lampman, Kriz, Engel, Saunders College Publishing and Microscale Organic Laboratory, Mayo, Pike, Butcher, John Wiley and Sons.

- 746000-0000 is packed in a rugged polyethylene storage case (2 1/2" H x 13 1/2" W x 10" D) with a die-cut foam insert
- 746000-0005 is in an EKONO-CASE™, a low-cost corrugated cardboard alternative to plastic
- They fit easily into lab bench drawers
- Standard Taper 14/10 connections
- High temperature-resistant blue nylon connectors
- Ideal for use up to 200 °C
- Manufactured from 33 expansion, low extractable borosilicate glass conforming to USP Type I and ASTM E438, Type I, Class A requirements

Size 112 EP o-ring is included but not available as a replacement part

Cat. No.	Qty/Case
746000-0000	1
746000-0005	1



Replacement Parts

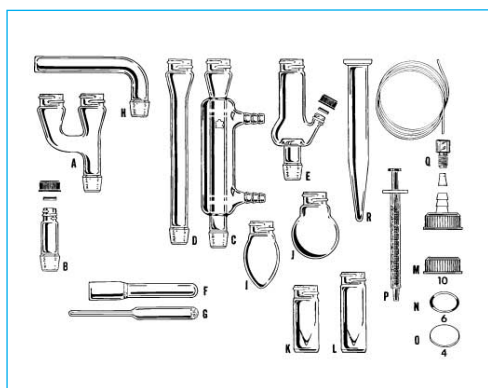
Cat. No.	Item	Description	Qty/Case
746010-0000	A	Claisen Adapter	1
746020-0000	B	Connecting Adapter	1
746030-0000	C	Inlet, Medium and Full Length Joints, BEVEL-SEAL, Accomodation Range 5.5-6.5 mm, 1/4" Nominal Size, 13-425 GPI Thread, O-Ring Size 010, 14/10 Standard Taper Joints	1
746050-0000	D	Jacketed Condenser	1
746060-0000	E	Air Condenser	1
746080-0000	F	Hickman Distillation Head	1
747332-0002	G	Craig Tube, 2mL	1
747331-0001	H	Glass Plug for 1 and 2mL Craig Tube	1
746090-0000	I	Drying Tube	1
746110-0005	J	Pear Shaped Flask, 5 mL, Thin-Wall	1
746120-0010	K	Boiling Round Bottom Flask, 14/10 Standard Taper Joints, 10 mL, 31 mm OD	1
60710-110	L	0.1 mL Micro-Vial, Autosampler, 33 Expansion Borosilicate Glass, Screw Thread, Ungraduated, with Open Top Closure and PTFE-Faced Silicone Septum, Assembled, ACCUFORM, 8-425 GPI Finish, 32 mm Length, 12 mm OD	12
746100-0003	M	Micro Vial, 3 mL	1
746100-0005	N	Micro Vial, 5 mL	1
746130-0000	O	GC Collection Tube with O-Ring	1
749060-0003	P	V-Shaped PTFE Magnetic Stir Vane, Fits ACCUFORM Vial Sizes 2, 3, and 5 mL	6
410119-2015	Q	Blue Glass-Filled Nylon, 20-400 GPI Threaded, Open-Top Compression Cap, Approx. Hole Diameter 15 mm	12
774161-0020	S	Septa, PTFE-Faced with Silicone rubber backing, Fits Thread Cap Size 20 mm, 0.005" PTFE Thickness, 0.060" Silicon Rubber Thickness	24
748019-0001	T	Micro Syringe, Polyethylene, 1 cc, 0.01 cc Graduations	12
746140-1020	U	Gas Delivery Tube	1
411800-1015	V	Centrifuge, Plain, Beaded Top, with Snap Cap, 15mL, 2980 Max RCF, 120 mm Overall Height, 20 mm Overall OD	10
746035-0814	W	Inlet adapter, Thermometer, Universal, BEVEL-SEAL, Accomodation Range 5-8 mm, Fits Tubing ID 1/4", 15-415 GPI Thread, O-Ring Size 108, 14/10 Standard Taper Joints	1
746001-0002		Foam Insert Set	1
746001-0001		Storage Case, 2 1/2" x 13 1/2" x 10"	1

The Intermediate Kit contains some of the components necessary to perform the experiments described in the following texts: Organic Laboratory Techniques: A Microscale Approach, Pavia, Lampman, Kriz, Engel, Saunders College Publishing and Microscale Organic Laboratory, Mayo, Pike, Butcher, John Wiley and Sons.

- 746200-0000 is packed in a rugged polyethylene storage case (2 1/2" H x 13 1/2" W x 10" D) with a die-cut foam insert
- 746200-0005 is in an EKONO-CASE™, a low-cost corrugated cardboard alternative to plastic
- They fit easily into lab bench drawers
- Standard Taper 14/10 connections
- High temperature-resistant blue nylon connectors
- Ideal for use up to 200 °C
- Manufactured from 33 expansion, low extractable borosilicate glass conforming to USP Type I and ASTM E438, Type I, Class A requirements

Size 112 EP o-ring is included but not available as a replacement part

Cat. No.	Qty/Case
746200-0000	1
746200-0005	1



Replacement Parts

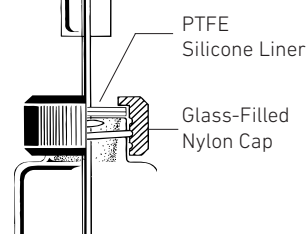
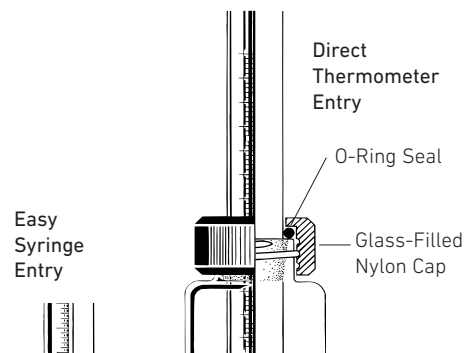
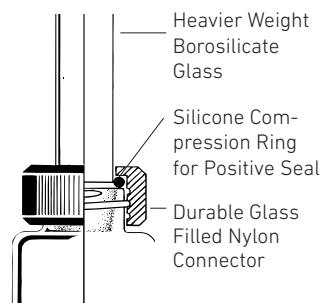
Cat. No.	Item	Description	Qty/Case
746010-0000	A	Claisen Adapter	1
746030-0000	B	Inlet Adapter, Medium and Full Length Joints, BEVEL-SEAL, Accomodation Range 5.5-6.5 mm, 1/4" Nominal Size, 13-425 GPI Thread, O-Ring Size 010, 14/10 Standard Taper Joints	1
746050-0000	C	Jacketed Condenser	1
746060-0000	D	Air Condenser	1
746080-0000	E	Hickman Distillation Head	1
747332-0002	F	Craig Tube, 2mL	1
747331-0001	G	Glass Plug for 1 and 2mL Craig Tube	1
746090-0000	H	Drying Tube	1
746110-0005	I	Pear Shaped Flask, 5 mL, Thin-Wall	1
746120-0010	J	Boiling Round Bottom Flask, 14/10 Standard Taper Joints, 10 mL, 31 mm OD	1
746100-0003	K	Micro Vial, 3 mL	1
746100-0005	L	Micro Vial, 5 mL	1
410119-2015	M	Blue Glass-Filled Nylon, 20-400 GPI Threaded, Open-Top Compression Cap, Approx. Hole Diameter 15 mm	12
774161-0020	O	Septa, PTFE-Faced with Silicone rubber backing, Fits Thread Cap Size 20 mm, 0.005" PTFE Thickness, 0.060" Silicon Rubber Thickness	24
748019-0001	P	Micro Syringe, Polyethylene, 1 cc, 0.01 cc Graduations	12
746140-1020	Q	Gas Delivery Tube	1
411800-1015	R	Centrifuge Tube, Plain, Beaded Top, with Snap Cap, 15mL, 2980 Max RCF, 120 mm Overall Height, 20 mm Overall OD	10
746001-0002		Foam Insert Set	1
746001-0001		Storage Case, 2 1/2" x 13 1/2" x 10"	1



Threaded Intermediate 14/10 Kit

The MICROFLEX® 14/10 Connection with Threaded O-Ring Cap-Seal

Quick Component Assembly





Microscale Threaded Basic 14/10 Kit

The Threaded Basic Kit contains some of the components necessary to perform experiments described in the following texts: Organic Laboratory Techniques: A Microscale Approach, Pavia, Lampman, Kriz, Engel, Saunders College Publishing and Microscale Organic Laboratory, Mayo, Pike, Butcher, John Wiley and Sons.

- 746220-0000 is packed in a rugged polyethylene storage case (2 1/2" H x 13 1/2" W x 10" D) with a die-cut foam insert
- 746220-0005 is in an EKONO-CASE™, a low-cost corrugated cardboard alternative to plastic
- The kits fit easily into lab bench drawers
- Standard Taper 14/10 connections
- High temperature-resistant blue nylon connectors
- Ideal for use up to 200 °C
- Glassware manufactured from 33 expansion, low extractable borosilicate glass conforming to USP Type I and ASTM E438, Type I, Class A requirements

Size 112 EP o-ring is included but not available as a replacement part

Cat. No.	Qty/Case
746220-0000	1
746220-0005	1



Replacement Parts

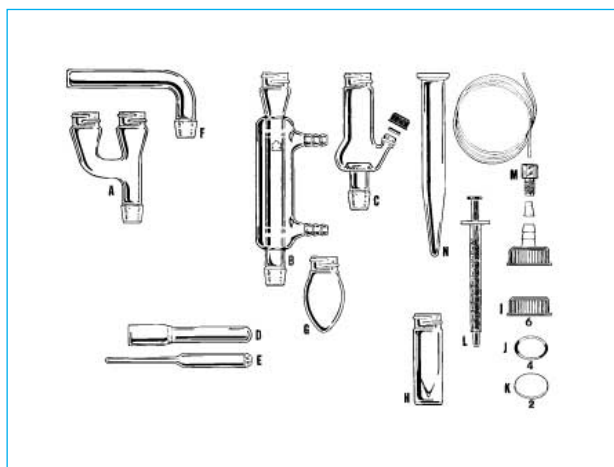
Cat. No.	Item	Description	Qty/Case
746010-0000	A	Claisen Adapter	1
746050-0000	B	Jacketed Condenser	1
746080-0000	C	Hickman Distillation Head	1
747332-0002	D	Craig Tube, 2mL	1
747331-0631	E	PTFE Plug for 1 and 2mL Craig Tube	1
746090-0000	F	Drying Tube	1
746100-0003	G	Micro Vial, 3 mL	1
746100-0005	H	Micro Vial, 5 mL	1
410119-2015	I	Blue Glass-Filled Nylon, 20-400 GPI Threaded, Open-Top Compression Cap, Approx. Hole Diameter 15 mm	12
774161-0020	K	Septa, PTFE-Faced with Silicone rubber backing, Fits Thread Cap Size 20 mm, 0.005" PTFE Thickness, 0.060" Silicon Rubber Thickness	24
746120-0010	L	Boiling Round Bottom Flask, 14/10 Standard Taper Joints, 10 mL, 31 mm OD	1
746035-0814	M	Inlet, Thermometer, Universal, BEVEL-SEAL, Accomodation Range 5-8 mm, Fits Tubing ID 1/4", 15-415 GPI Thread, O-Ring Size 108, 14/10 Standard Taper Joints	1
746001-0002		Foam Insert Set	1
746001-0001		Storage Case, 2 1/2" x 13 1/2" x 10"	1

The Starter Kit contains some of the components necessary to perform experiments described in the following texts: Organic Laboratory Techniques: A Microscale Approach, Pavia, Lampman, Kriz, Engel, Saunders College Publishing and Microscale Organic Laboratory, Mayo, Pike, Butcher, John Wiley and Sons.

- 746210-0000 is packed in a rugged polyethylene storage case (2 1/2" H x 13 1/2" W x 10" D) with a die-cut foam insert
- 746210-0005 is in an EKONO-CASE™, a low-cost corrugated cardboard alternative to plastic
- They fit easily into lab bench drawers
- Standard Taper 14/10 connections
- High temperature-resistant blue nylon connectors
- Ideal for use up to 200 °C
- Manufactured from 33 expansion, low extractable borosilicate glass conforming to USP Type I and ASTM E438, Type I, Class A requirements

Size 112 EP o-ring is included but not available as a replacement part

Cat. No.	Qty/Case
746210-0000	1
746210-0005	1

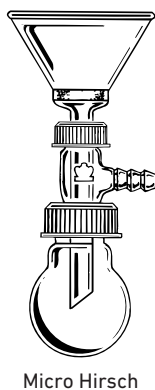
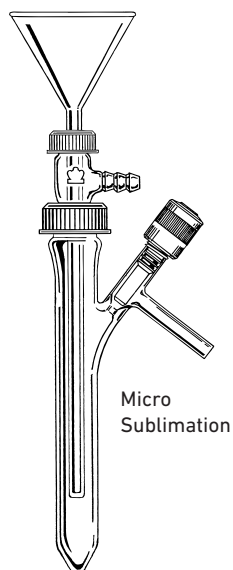
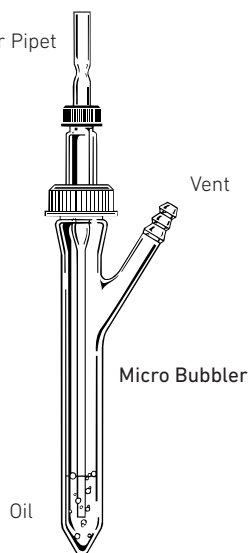


Microscale Threaded Starter 14/10 Kit

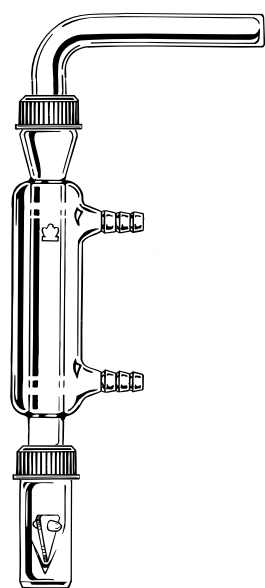
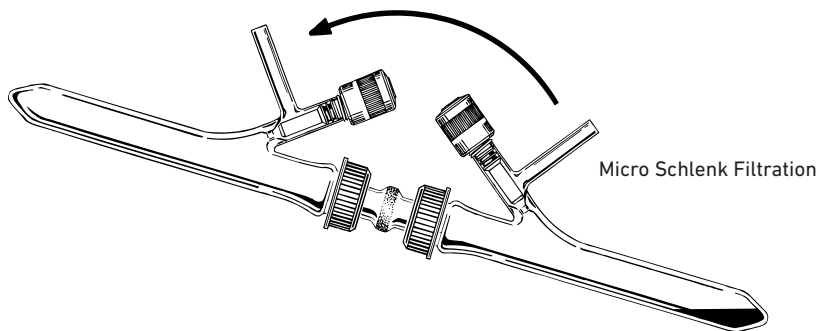
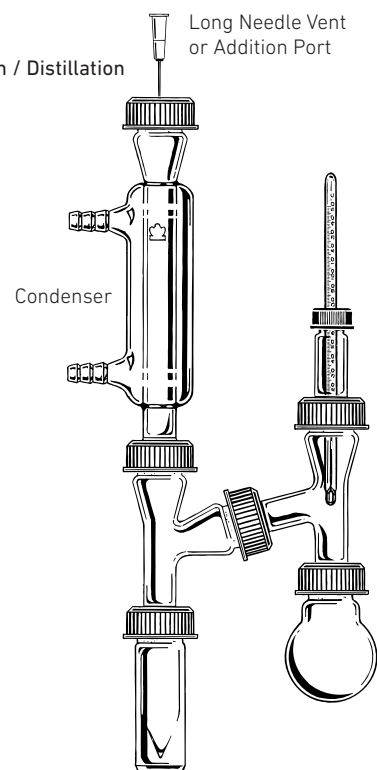
Replacement Parts

Cat. No.	Item	Description	Qty/Case
746010-0000	A	Claisen Adapter	1
746050-0000	B	Jacketed Condenser	1
746080-0000	C	Hickman Distillation Head	1
747332-0002	D	Craig Tube, 2mL	1
747331-0001	E	Glass Plug for 1 and 2mL Craig Tube	1
746090-0000	F	Drying Tube	1
746110-0005	G	Pear Shaped Flask, 5 mL, Thin-Wall	1
746100-0005	H	Micro Vial, 5 mL	1
410119-2015	I	Blue Glass-Filled Nylon, 20-400 GPI Threaded, Open-Top Compression Cap, Approx. Hole Diameter 15 mm	12
774161-0020	K	Septa, PTFE-Faced with Silicone rubber backing, Fits Thread Cap Size 20 mm, 0.005" PTFE Thickness, 0.060" Silicon Rubber Thickness	24
748019-0001	L	Micro Syringe, Polyethylene, 1 cc, 0.01 cc Graduations	12
746140-1020	M	Gas Delivery Tube	1
411800-1015	N	Centrifuge Tube, Plain, Beaded Top, with Snap Cap, 15mL, 2980 Max RCF, 120 mm Overall Height, 20 mm Overall OD	10
746001-0002		Foam Insert Set for Threaded Standard 14/10 Kit	1
746001-0001		Storage Case, 2 1/2" x 13 1/2" x 10"	1

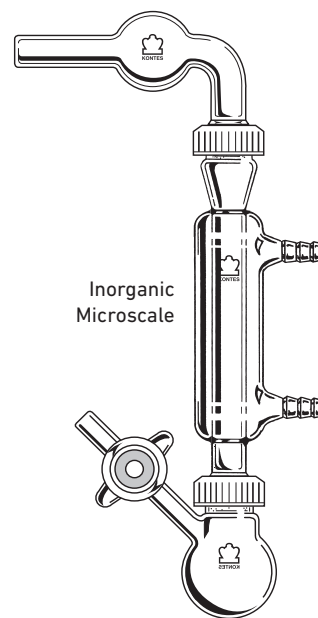
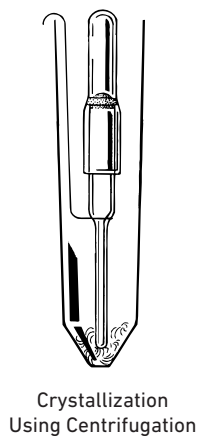
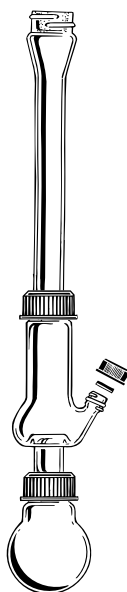
Pasteur Pipet



Reaction / Distillation



Reflux Apparatus
Hickman Still Head
Air Condenser

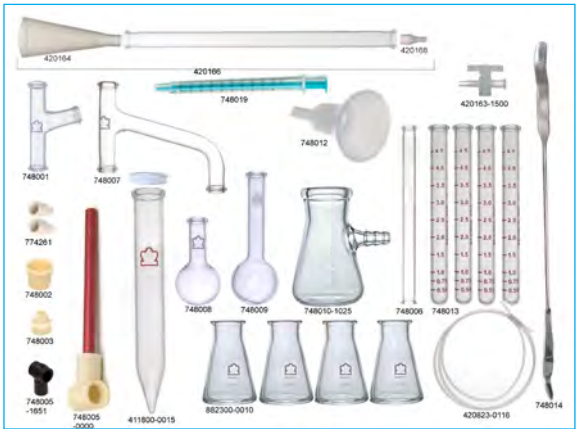


Moisture-Protected Reaction Apparatus
Water-Jacketed Condenser
Drying Adapter

Components used to perform the Williamson experiments described in Macroscale and Microscale Organic Experiments are included.

- 748000-0000 is packed in a rugged polyethylene storage case (2 1/2" H x 13 1/2" W x 10" D) with a die-cut foam insert
- 748000-0005 is in an EKONO-CASE™, a low-cost corrugated cardboard alternative to plastic
- They fit easily into lab bench drawers
- These MICROFLEX® Kits feature patented chaste connectors and specially tooled glassware components, providing great versatility
- Glassware is manufactured from 33 expansion, low extractable borosilicate glass conforming to USP Type I and ASTM E438, Type I, Class A requirements

Cat. No.	Qty/Case
748000-0000	1
748000-0005	1



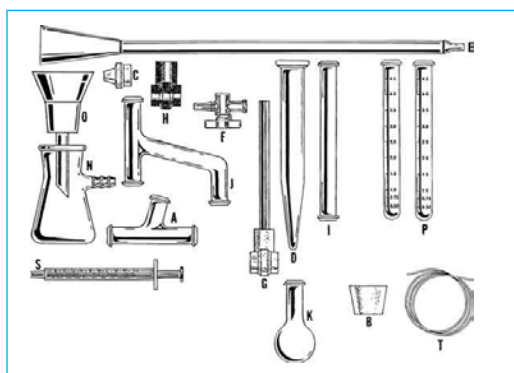
Williamson Standard Kit

Replacement Parts

Cat. No.	Description	Qty/Case
748001-1000	Connecting Adapter	1
748001-0000	Connecting Adapter	10
748002-0000	Filter Adapter, Pluro Stopper, 14/20 Standard Taper Joints	10
748003-1000	Thermometer Adapter	5
748003-0000	Thermometer Adapter	10
411800-0015	Plain Centrifuge Tube with Snap Cap, Beaded Top, 15 mL, 2980 max RCF, 120 mm overall height, 20 mm overall OD	1
73837-2	Size 2 Snap Cap, Polyethylene	500
420166-1001	DISPOSAFLEX Column Set, Assembled, 8 mm ID, 150 mm column length, 9 mL reservoir capacity, 6 mL column capacity, overall length 215 mm	5
420164-1000	Polypropylene Reservoir for use with DISPOSAFLEX® columns, 14/20 Standard Taper joints	50
420168-1000	Polypropylene Luer Fitting for use with DISPOSAFLEX® columns	50
420162-0020	20 µm Polyethylene Bed Support	100
420163-1500	One-Way Stopcock Valve, nylon body, HDPE plug, female Luer to male Luer, 14/20 Standard Taper joints	5
748005-1651	Connector Only, FKM	5
748005-1000	Connector w/ Support Rod	5
748005-0000	Connector w/ Support Rod	10
748006-1100	Distillation Column	5
748006-0100	Distillation Column	100
748007-1060	Distillation Head, 60mm	1
748008-1005	Short Neck Flask, 5mL	1
748008-0005	Short Neck Flask, 5mL	10
748009-0005	Long Neck Flask, 5mL	10
748009-1005	Long Neck Flask, 5mL	1
882300-0010	10 mL flask, 50 mm overall height, 31 mm overall width	12
748010-1025	Filter Flask, 25mL, 14/20 Standard Taper Joints	1
748012-1000	Hirsch Funnel, 14/20 Standard Taper joints	5
748017-0020	Polyethylene Disc, 20 Microns	100
748013-1000	Reaction Tube, 10 x 100 mm	25
748014-1000	Rounded / Tapered Micro Spatula, Overall length 7.625", Nickel-Stainless, 2" (51 mm) length and 5/16" (8 mm) width at both ends , Will pass through a 14/10 or 14/20 outer joint	1
774261-0008	Rubber Sleeve, Plug-type, 8 mm diameter, white, 9-10 mm OD stopper fit	50
748019-0001	Micro Syringe, polyethylene, 1 cc, 0.01 cc graduations	12
420823-0116	1/16" OD x 0.038" ID x 10' FEP / PTFE tubing, Fits 20 gauge needle	1
748001-0003	Foam Insert Set	1
746001-0001	Storage Case, 2 1/2" x 13 1/2" x 10"	1

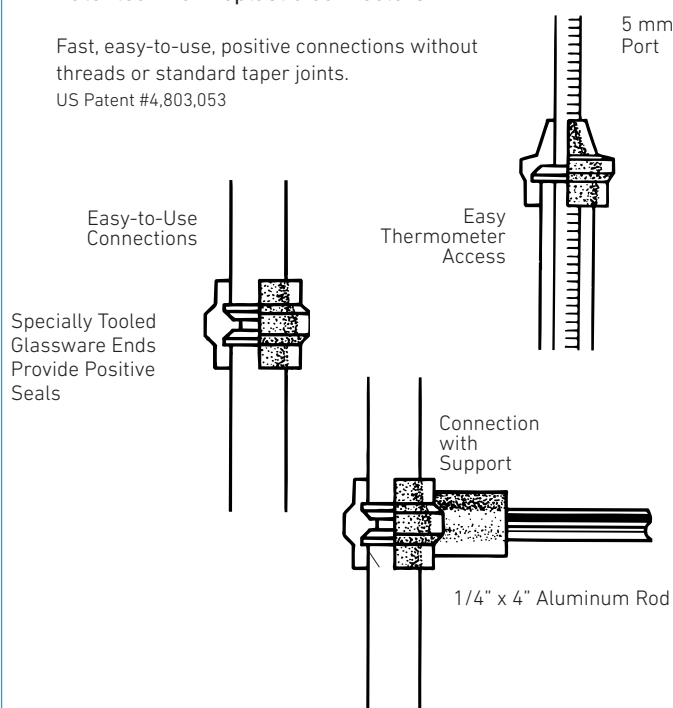


Williamson Intermediate Kit



Patented Thermoplastic Connectors

Fast, easy-to-use, positive connections without threads or standard taper joints.
US Patent #4,803,053



The Williamson Intermediate Kit includes some of the components used to perform the experiments described in the Williamson text, Macroscale and Microscale Organic Experiments, published by D.C. Heath and Company, Lexington, Massachusetts.

- 748110-0000 is packed in a rugged polyethylene storage case (2 1/2" H x 13 1/2" W x 10" D) with a die-cut foam insert
- 748110-0005 is in an EKONO-CASE™, a low-cost corrugated cardboard alternative to plastic
- They fit easily into lab bench drawers
- These MICROFLEX® Kits feature patented chaste connectors and specially tooled glassware components, providing great versatility
- Glassware is manufactured from 33 expansion, low extractable borosilicate glass conforming to USP Type I and ASTM E438, Type I, Class A requirements

Cat. No.	Qty/Case
748110-0000	1
748110-0005	1

Replacement Parts

Cat. No.	Item	Description	Qty/Case
748001-1000	A	Connecting Adapter	1
748001-0000		Connecting Adapter	10
748002-0000	B	Filter Adapter, Pluro Stopper, 14/20 Standard Taper joints	10
748003-1000	C	Thermometer Adapter	5
748003-0000		Thermometer Adapter	10
411800-1015		Plain Centrifuge Tube with Snap Cap, Beaded Top, 15 mL, 2980 max RCF, 120 mm overall height, 20 mm overall OD	10
411800-0015	D	Plain Centrifuge Tube with Snap Cap, Beaded Top, 15 mL, 2980 max RCF, 120 mm overall height, 20 mm overall OD	1
73837-2		Size 2 Snap Cap, Polyethylene	500
420166-1001	E	DISPOSAFLEX Column Set, Assembled, 8 mm ID, 150 mm column length, 9 mL reservoir capacity, 6 mL column capacity, overall length 215 mm	5
420164-1000		Polypropylene Reservoir for use with DISPOSAFLEX® columns, 14/20 Standard Taper joints	50
420168-1000		Polypropylene Luer Fitting for use with DISPOSAFLEX® Columns	50
420162-0020		20 µm Polyethylene Bed Support	100
420163-1500	F	One-Way Stopcock Valve, nylon body, HDPE plug, female Luer to male Luer, 14/20 Standard Taper joints	5
748005-1000	H	Connector w/ Support Rod	5
748005-1001		Connector Only	5
748005-1651	G	Connector Only, FKM	5
748006-1100	I	Distillation Column	5
748007-1060	J	Distillation Head, 60mm	1
748008-1005	K	Short Neck Flask, 5 mL	1
748010-1025	N	Filter Flask, 25 mL, 14/20 Standard Taper joints	1
748012-1000	O	Hirsch Funnel, 14/20 Standard Taper joints	5
748017-0020		Polyethylene Disc, 20 Microns	100
748013-1000	P	Reaction Tube, 10 x 100 mm	25
748019-0001	S	Micro Syringe, Polyethylene, 1 cc, 0.01 cc graduations	12
420823-0116	T	1/16" OD x 0.038" ID x 10' FEP / PTFE tubing, Fits 20 gauge needle	1
748001-0003		Foam Insert Set	1
746001-0001		Storage Case, 2 1/2" x 13 1/2" x 10"	1

All the components necessary to perform the experiments described in the Williamson text, Macroscale and Microscale Organic Experiments, are included.

- 748100-0000 is packed in a rugged polyethylene storage case (2 1/2" H x 13 1/2" W x 10" D) with a die-cut foam insert
- 748100-0005 is in an EKONO-CASE™, a low-cost corrugated cardboard alternative to plastic
- Kits fit easily into lab bench drawers
- These MICROFLEX® kits feature patented chaste connectors and specially tooled glassware components, providing great versatility
- Glassware is manufactured from 33 expansion, low extractable borosilicate glass conforming to USP Type I and ASTM E438, Type I, Class A requirements

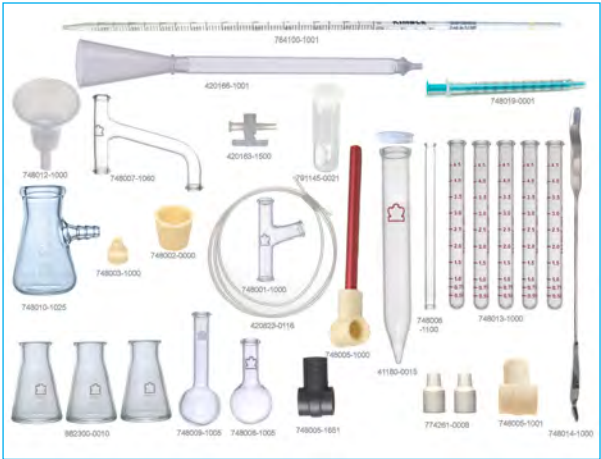
Cat. No.	Qty/Case
748100-0000	1
748100-0005	1



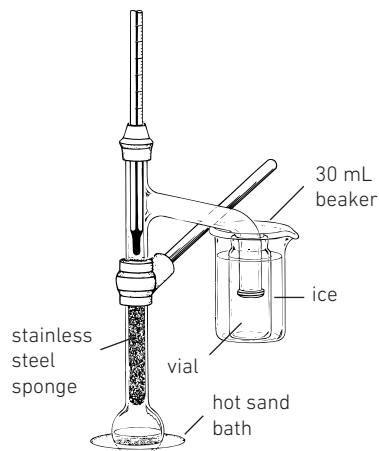
Williamson Improved Kit

Replacement Parts

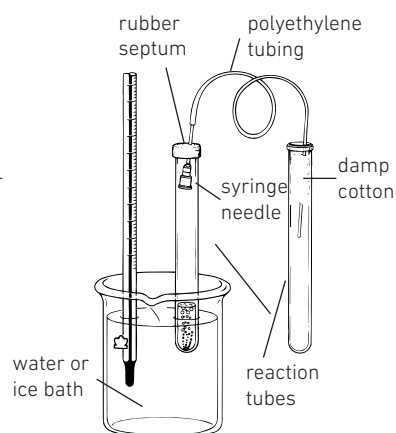
Cat. No.	Item	Description	Qty/Case
748001-1000	A	Connecting Adapter	1
748001-0000		Connecting Adapter	10
748002-0000	B	Filter Adapter, Pluro Stopper, 14/20 Standard Taper Joints	10
748003-1000	C	Thermometer Adapter	5
748003-0000		Thermometer Adapter	10
411800-1015		Centrifuge Tube, Plain, Beaded Top, with Snap Cap, 15mL, 2980 Max RCF, 120 mm Overall Height, 20 mm 10 Overall OD	
411800-0015	D	Centrifuge Tube, Plain, Beaded Top, with Snap Cap, 15mL, 2980 Max RCF, 120 mm Overall Height, 20 mm 1 Overall OD	1
73837-2		Size 2 Snap Cap, Polyethylene	500
420166-1001	E	DISPOSAFLEX Column Set, Assembled, 8mm ID, 150mm Column Length, 9mL Reservoir Capacity, 6mL Column Capacity, Overall Length 215 mm	5
420164-1000		Polypropylene Reservoir for use with DISPOSAFLEX® Columns, 14/20 Standard Taper Joints	50
420168-1000		Polypropylene Luer Fitting for use with DISPOSAFLEX® Columns	50
420162-0020		20 µm Polyethylene Bed Support	100
420163-1500	F	One-Way Stopcock Valve, Nylon Body, HDPE Plug, Female Luer to Male Luer, 14/20 Standard Taper Joints	5
748005-1000		Connector w/ Support Rod	5
748005-0000		Connector w/ Support Rod	10
748005-1001		Connector Only	5
748006-1100	I	Distillation Column	5
748006-0100		Distillation Column	100
748007-1060	J	Distillation Head, 60mm	1
748008-1005	K	Short Neck Flask, 5mL	1
748008-0005		Short Neck Flask, 5mL	10
748009-0005		Long Neck Flask, 5mL	10
748009-1005	L	Long Neck Flask, 5mL	1
882300-0010	M	Flask Only, 10 mL, 50 mm Overall Height, 31 mm Overall Width	12
748010-1025	N	Filter Flask, 25mL, 14/20 Standard Taper Joints	1
748010-0025		Filter Flask, 25mL	10
748012-1000	O	Hirsch Funnel, 14/20 Standard Taper Joints	5
748012-0000		Hirsch Funnel with Disc	10
748017-0020		Polyethylene Disc, 20 Microns	100
748013-1000	P	Reaction Tube, 10 x 100 mm	25
748013-0000		Reaction Tube, 10 x 100 mm	100



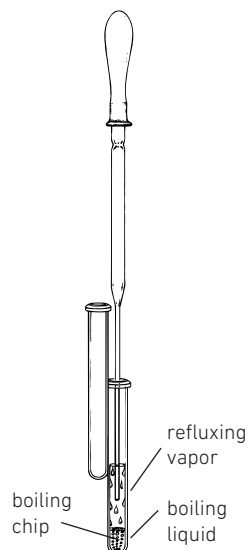
Cat. No.	Item	Description	Qty/Case
748014-1000	Q	Spatula, Rounded / Tapered, Micro, Overall Length 7.625", Nickel-Stainless, 2" (51 mm) Length at Both Ends, 5/16" (8 mm) Width	1
748014-0000		Spatula, Rounded / Tapered, Micro, Overall Length 7.625", Nickel-Stainless, 2" (51 mm) Length at Both Ends, 5/16" (8 mm) Width	10
774261-0008	R	Rubber Sleeve, Plug-Type, 8mm Diameter, White, 9-10 mm OD Stopper Fit	50
748019-0001	S	Micro Syringe, Polyethylene, 1 cc, 0.01 cc Graduations	12
420823-0116	T	1/16" OD x 0.038" ID x 10' FEP / PTFE Tubing, Fits 20 Gauge Needle	1
764100-1001	U	Pipet, 1mL Capacity Below Bulb	25
791145-0021	V	Magnetic Stir Bar, Round, Micro, PTFE, 4 X 12 mm, 2 Bars per Vial	12
748005-1651	W	Connector Only, FKM	5
748001-0003		Foam Insert Set	1
746001-0001		Storage Case, 2 1/2" x 13 1/2" x 10"	1



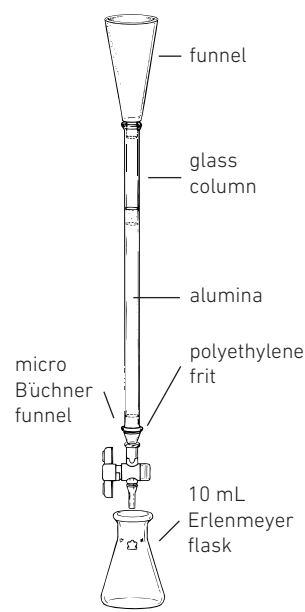
Fractional Distillation



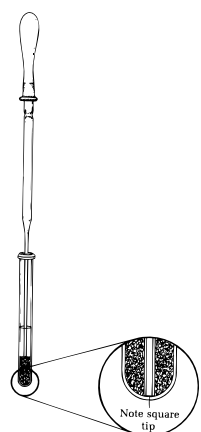
Apparatus for Trapping Evolved Gas in Friedel-Crafts Reactions



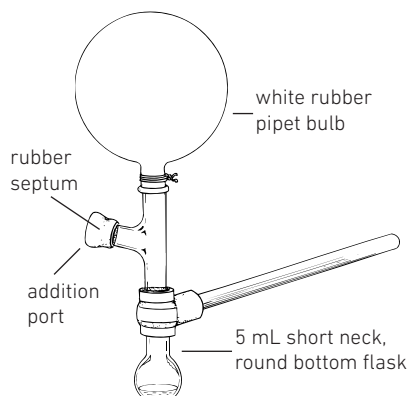
Apparatus for Instant Microscale Distillation



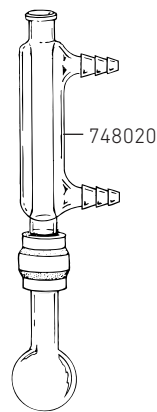
Column Chromatography



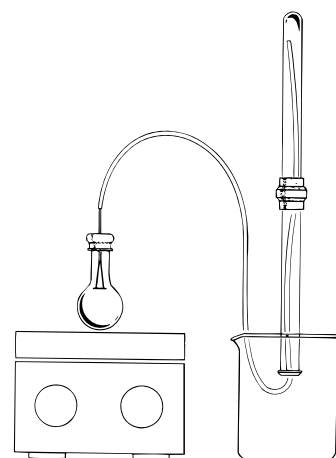
Pasteur Pipet Filtration Technique



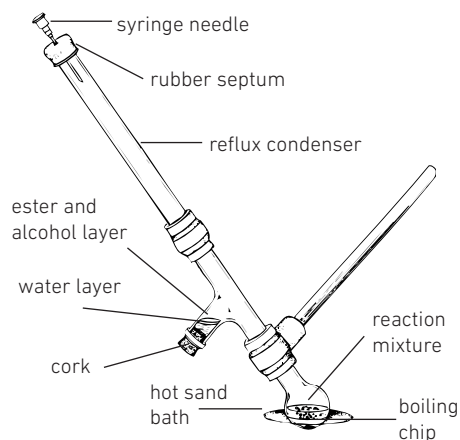
Balloon Technique of Oxygenation



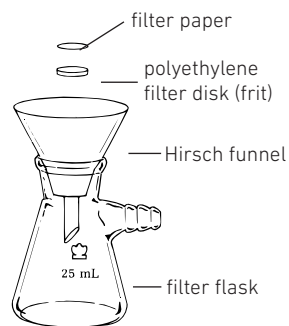
Water Jacketed Reflux for Warm Climates



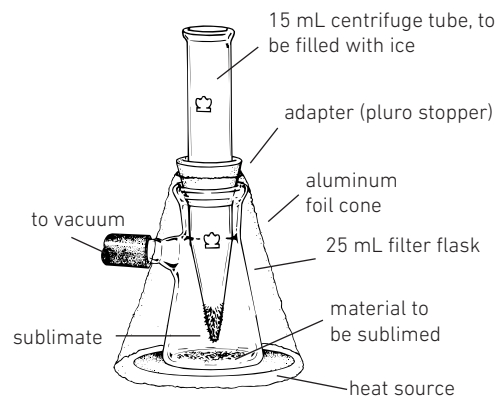
Hydrogenation or Other Gas Generation



Ester Preparation Micro Dean-Stark Water Removal



Hirsch Funnel Filtration



Sublimation

KIMBLE® KIMAX® Starter Packs are Essential for Outfitting a New Laboratory

The Lab Starter Kit includes all the glassware you need to get started in quantities that make sense.

- Glassware is manufactured from 33 expansion, low extractable borosilicate glass conforming to USP Type I and ASTM E438, Type I, Class A requirements

Cat. No.	Qty/Case
37500-0000	1

Kit Components

Component	Kit Qty
Low Form Griffin Beaker, 50mL	3
Low Form Griffin Beaker, 100mL	3
Low Form Griffin Beaker, 250mL	6
Wide Mouth Erlenmeyer Flask, 250mL	3
Wide Mouth Erlenmeyer Flask, 500mL	6
Wide Mouth Erlenmeyer Flask, 1000mL	3
Class B Cylinder with Single Metric Scale, 100mL	1
Class B Cylinder with Single Metric Scale, 250mL	1
Class B Cylinder with Single Metric Scale, 500mL	1
GL45 Media Bottle, 100mL	2
GL45 Media Bottle, 250mL	3
GL45 Media Bottle, 500mL	3
GL45 Media Bottle, 1000mL	2



Lab Starter Kit

An assortment of popularly sized graduated cylinders from our 20024 series that is ideal for start-up labs and customers who need a variety of cylinders but have limited lab space or glassware needs.

- “TD” appears on each cylinder and indicates the cylinder is calibrated to deliver
- Single metric scale, with bumper
- The pack consists of 5 cylinders (one each) in sizes of 10, 25, 50, 100 and 250 mL
- Designed from ASTM Specification E1272, Style I, Class B requirements
- Manufactured from 33 expansion, low extractable borosilicate glass conforming to USP Type I and ASTM E438, Type I, Class A requirements

Cat. No.	Cap. (mL)	Subdiv. (mL)	±Tol. (mL)	Approx. Height (mm)	Qty/Case
20024-01	10	0.2	0.1	135	1
	25	0.5	0.3	140	1
	50	1	0.4	190	1
	100	1	0.6	255	1
	250	2	1.4	330	1



Class B Cylinders with Single Metric Scale, Starter Pack



Low Form Beaker Starter Packs,
Standard Wall

An assortment of popularly sized "variety pack" glass beakers from our 14000 Low Form Griffin series that is ideal for start-up labs and customers who need a variety of beaker sizes but have limited lab space or glassware needs.

- Double capacity scale
- Manufactured from 33 expansion, low extractable borosilicate glass conforming to USP Type I and ASTM E438, Type I, Class A requirements

Cat. No.	Cap. (mL)	Subdiv. (mL)	Approx. OD x Ht. (mm)	Qty/Case
14080-01	50	10	42 x 53	1
	100	10	50 x 70	1
	250	10	68 x 88	1
	600	25	88 x 122	1
	1000	50	107 x 145	1



Low Form Beaker Starter Packs,
Heavy Duty

An assortment of popularly sized "variety pack" glass beakers from our 14000 Low Form Griffin series that is ideal for start-up labs and customers who need a variety of beaker sizes but have limited lab space or glassware needs.

- Double capacity scale
- Manufactured from 33 expansion, low extractable borosilicate glass conforming to USP Type I and ASTM E438, Type I, Class A requirements

Cat. No.	Cap. (mL)	Subdiv. (mL)	Approx. OD x Ht. (mm)	Qty/Case
14085-01	250	25	67 x 92	1
	400	50	77 x 114	1
	600	50	87 x 122	1
	1000	50	107 x 152	1

An assortment of popularly sized Erlenmeyer flasks from our 26500 series that is ideal for start-up labs and customers who need a variety of Erlenmeyers but have limited lab space and glassware needs.

- The pack consists of 5 flasks (one each) in sizes of 50, 125, 250, 500 and 1000 mL
- Manufactured from 33 expansion, low extractable borosilicate glass conforming to USP Type I and ASTM E438, Type I, Class A requirements

Cat. No.	Cap. (mL)	Subdiv.(mL)	Widest Approx. Dia. (mm)	Approx. Ht. (mm)	Qty/Case
26520-1	50	10	50	78	1
	125	25	66	108	1
	250	25	81	130	1
	500	50	102	174	1
	1000	50	128	213	1



Erlenmeyer Starter Pack

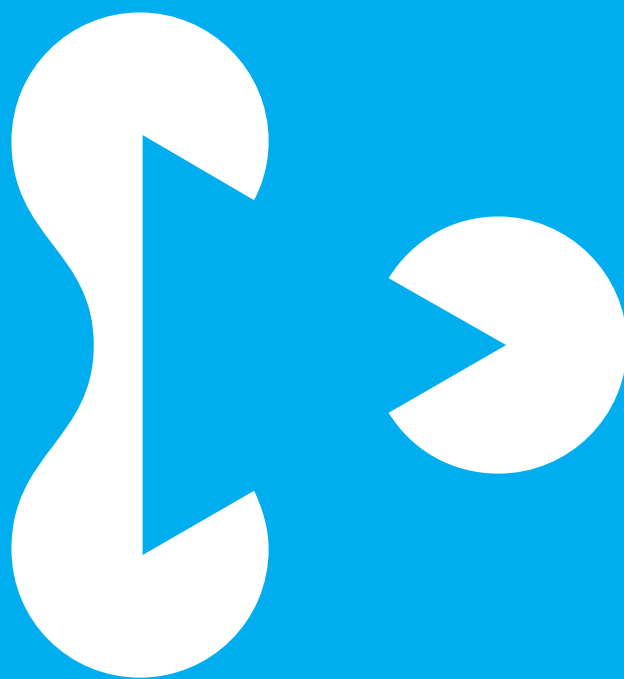
An assortment of popularly sized media bottles from our 14395 series, which is ideal for general laboratory use, including mixing, storing or transporting culture media, chemicals, or solvents.

- Enhanced graduations and marking spot made with chemically resistant white enamel paint
- 30 mm ID opening
- Autoclavable
- Supplied with blue polypropylene linerless GL 45 screw thread caps
- Replaceable clear (natural) drip-free polypropylene pour ring is included on each bottle
- The pack consists of two 100 mL, three 250 mL, three 500 mL, and two 1000 mL bottles
- Manufactured from 33 expansion, low extractable borosilicate glass conforming to USP Type I and ASTM E438, Type I, Class A requirements

Cat. No.	Cap. (mL)	Subdiv. (mL)	Widest Approx. Dia. (mm)	Approx. Ht. (mm)	Qty/Case
14395-01	50	10	50	78	1
	125	25	66	108	1
	250	25	81	130	1
	500	50	102	174	1
	1000	50	128	213	1



GL 45 Media Bottle Starter Pack



Excellence in your hands

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