



Millikan Oil Drop Apparatus

Art No: ADV009
To measure the quantity of electric charge of oil drop, and verify the quantum of electric charge.



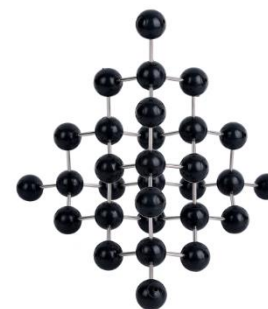
Millikan Oil Drop Apparatus

Art No: ADV010
To measure the quantity of electric charge of oil drop, and verify the quantum of electric charge. Classic Oil Drop Experiment for measuring the electron charge. Features double draft shield system, CCD microscope camera and computer control for the experiment and evaluation.



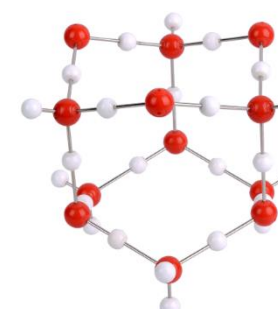
Michelson & Fabry-Perot Interferometer

Art No: ADV011.01 100mm
Art No: ADV011.02 200mm
High precision interferometer with interchangeable optics for Michelson or Fabry-Perot setups. 200mm or 100mm precision geared lead screw for fine adjustment.



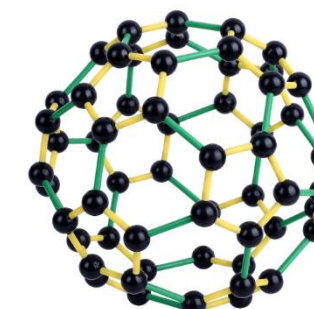
Model of Diamond

Art No: C01001
14 atoms, 16 bindings.
Size: 23cm, Height: 17cm



Model of Cesium Chloride

Art No: C01002



Model of C-60

Art No: C01003
27cm dia



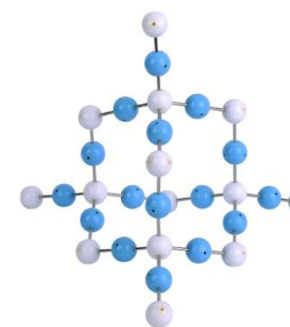
Thermoelectric Effect Apparatus

Art No: ADV012
This apparatus allows the thermal behavior of a resistor, thermistor, and thermocouple to be studied, as well as a closed loop control system.



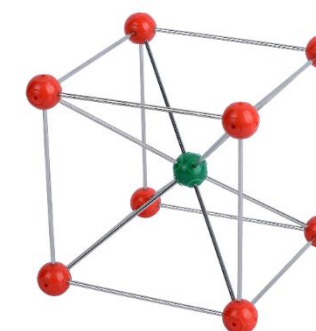
Photoelectric Effect Apparatus

Art No: ADV013
Set of equipment for studying the photo-emission of a mixed alkali photocathode. Precise, stable illumination and bias control for excellent results.



Model of Silicon Dioxide

Art No: C01004



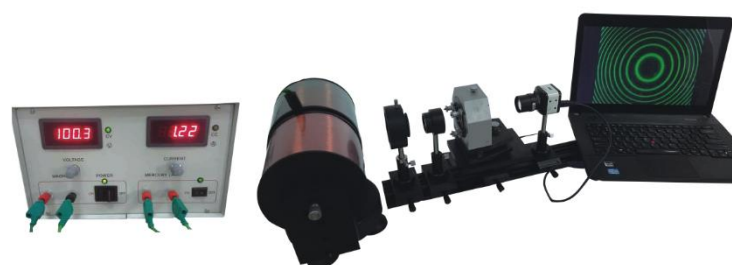
Body Centered Cube

Art No: C01005



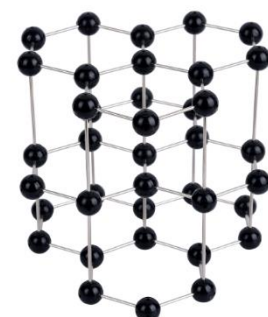
Model of Benzene Ring

Art No: C01006



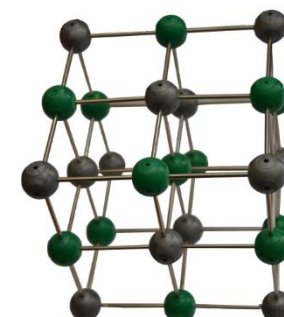
Complete Zeeman Effect Apparatus

Art No: ADV014
Set of equipment for studying the Zeeman Effect in the mercury green line at 545.1 nm includes a 1.0T electromagnet that allows longitudinal or transverse viewing, a mercury lamp, interference filter and lens, a 2.0mm gap Fabry-Perot etalon, a CCD camera and capture card, and evaluation software.



Model of Graphite

Art No: C01007
39 atoms, 48 bindings.
Size: 22cm dia, 21 high



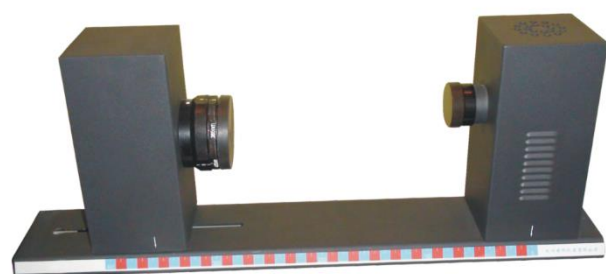
Model of Sodium Chloride

Art No: C01008



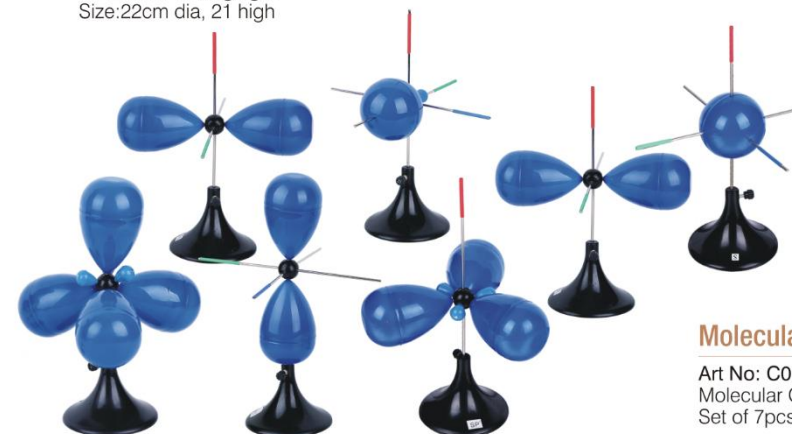
Deluxe Structural Molecular Model Set

Art No: C01010
Ball-and-spoke molecular model set with 245 plastic spheres, 125 hydrogen atom models with connectors attached and 185 flexible, plastic connecting rods. Balls are 21 mm or 26 mm in diameter representing different species and valences, and the hydrogen models have 12.5 mm spheres. This set allows extensive models of inorganic and organic molecules to be made. Includes storage case with periodic table.



Plank's Constant Apparatus

Art No: ADV015
A precision device for measuring Plank's Constant. It uses a stable mercury lamp and well-shielded vacuum photocell to achieve excellent results. The mercury lamp and vacuum photocell method gives 3% accuracy. It has highly precise stable current amplifier, includes a set of high quality interference filters.



Molecular Orbit Model

Art No: C01009
Molecular Orbit Model, Set of 7
Set of 7 pcs.: S, SP, SP2, SP3, Px, Py, Pz



Molecular Model Set

Art No: C01011

Ball-and-spoke molecular model set with 174 plastic spheres, 225 metal connecting rods and 10 connecting springs. Balls are 23 mm in diameter, except for the 40 hydrogen models, which are 17 mm. This set allows models of simple inorganic and organic molecules to be made as well as crystal structure models of sodium chloride, graphite, and diamond. Includes storage case.



Student Molecular Model Set

Art No: C01012



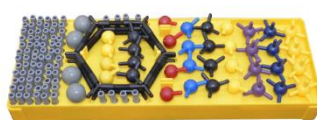
Model of Inorganic Molecule

Art No: C01014
Size: 34x13.5x6.5cm



Organic Structure Model Set

Art No: C01013



Model of Organic Molecule

Art No: C01015



Molecular Model Set

Art No: C01022

Ball-and-spoke molecular model set with 59 plastic spheres, 62 plastic connecting rods. Balls are 23 mm in diameter, except for the 20 hydrogen and 6 chlorine models, which are 17 mm. This set allows models of usual organic molecular and crystal structure models to be made. Includes storage case.



Molecular Model Set

Art No: C01023

Large Polymer Chemistry Molecular Model Set can build models for VSEPR theory or alkanes, alkenes, aromatics, sugars, amino acids & more! cyclohexane; 15 double thick bonds for chair-boat flips and parts for any of the 20 amino acids, sugars, fats and stereochemistry: chiral pairs, cis & trans and 14 orbitals for VSEPR theory, lone electron pairs; and lots of bonds for building lots more stuff such as: alcohols, thiols, amines, ketones, and more simple lattices such as diamond, graphite, NaCl, Carbon 60



Large Molecular Model Set

Art No: C01016

Ball-and-spoke molecular model set with 174 plastic spheres, 225 metal connecting rods and 10 connecting springs. Balls are 23 mm in diameter, except for the 40 hydrogen models, which are 17 mm.

This set allows models of simple inorganic and organic molecules to be made as well as crystal structure models of sodium chloride, graphite, and diamond. Includes storage case.



Molecular Model Set

Art No: C01017

Ball-and-spoke molecular model set with 72 plastic spheres, 155 plastic connecting rods. 40 balls are 23 mm in diameter (H, Cl and Metal) and 32 balls are 30 mm (C, O, N, and S).

This set allows models of most organic molecules to be made. Includes storage case.



Molecular Model Set

Art No: C01018

This set allows models of Sodium Chloride, Diamond, Graphite and Copper to be made. Includes storage case.



Molecular Model Set

Art No: C01019

Ball-and-spoke molecular model set with 194 plastic spheres, 250 plastic connecting rods. Balls are 23 mm in diameter, except for the 70 hydrogen models, which are 17 mm. This set allows models of most organic molecular and crystal structure models to be made as well as usual inorganic molecular models. Includes storage case.



Semi-Space Filling Molecular Model Set

Art No: C01020

It has 55 plastic spheres. Balls are 40 mm in diameter, except for the 20 hydrogen models which are 30 mm, and 1 sulphur and 2 chlorine models which are 50 mm. 50 short connectors allow the spheres to sit close to each other, giving a better representation of molecular shapes.

This set allows models of most organic and usual inorganic molecular models to be made. Includes storage case.



Molecular Model Set

Art No: C01021

Ball-and-spoke molecular model set with 76 plastic spheres, 102 plastic connecting rods. Balls are 23 mm in diameter, except for the 30 hydrogen models, which are 17 mm. This set allows models of most organic molecular and crystal structure models to be made as well as usual inorganic molecular models. Includes storage case.

Atoms	Holes (angle)	Color	Qty
H-Hydrogen	1	white	150
Halogen	1	green	15
Metal	1	gray	15
F-Fluorine	1	orange	15
S-Sulfur	1	yellow	15
O-Oxygen	2(110°)	red	30
S-Sulfur	2(110°)	yellow	15
N-Nitrogen	2(110°)	blue	15
C-Carbon	2(180°)	black	10
O-Oxygen	2(180°)	red	10
N-Nitrogen	3(120°)	blue	30
C-Carbon	3(120°)	black	80
C-Carbon	4(109°28')	black	80
O-Oxygen	4(109°28')	red	20
N-Nitrogen	4(109°28')	blue	20
S-Sulfur	4(109°28')	yellow	10
C-Carbon	5(120°/90°)	black	50
N-Nitrogen	5(120°/90°)	blue	20
Natrium	6(90°)	gray	20
Cl-Chlorine	6(90°)	green	20
short link (20mm)			160
medium link (28mm)			160
long link (45mm)			120
ABS Box (235*17*7mm)			1



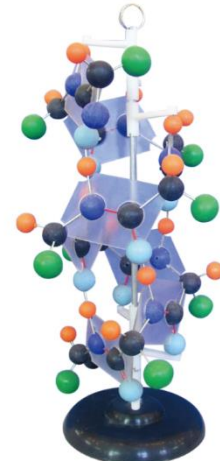
DNA Structure

Art No: C02001
DNA Structure, for Student



DNA Structure

Art No: C02002
DNA Structure, 60cm High



Protein Structure

Art No: C02003



DNA Structure

Art No: C02004



Rock and Mineral Samples

Art No: C03013
Rock and Mineral Samples, Set of 100



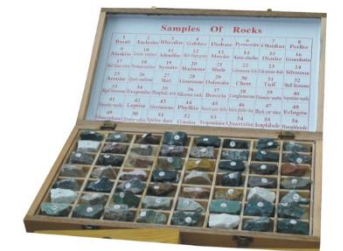
Rock Samples Set

Art No: C03014
Rock Samples Set of 24



Samples of Fossils

Art No: C03015
Fossil Samples, Set of 20



Samples of Rocks

Art No: C03016
Rock Samples, Set of 56

Buchner Funnels, Porcelain Glazed



Art No	Outside diam. mm	Tube diam. mm	Total height mm	Bowl height mm	Perforation diam. mm	No of Perforations
C-141	20	10	45	15	2	19
C-142	40	14	65	22	2	37
C-144	60	18	100	30	2	51
C-145	80	22	130	40	2	51
C-146	100	24	150	45	2	88
C-147	120	30	170	60	2	123
C-149	150	36	220	70	2	164
C-151	210	45	270	90	2.5	212
C-152	250	50	310	110	2.5	326
C-152-1	300	60	380	140	2.5	463



Cotton & Product from Processing

Art No: C03001



Iron & Steel

Art No: C03002



Glass & Raw Material for its Producing

Art No: C03003



Petroleum & Product from Processing

Art No: C03004



Plastic

Art No: C03005



Metal & Their Alloys

Art No: C03006



Fiber

Art No: C03007



Fuel

Art No: C03008



Sulfur & Product

Art No: C03009
Sulfur & Product from processing



Metal & Mineral Samples

Art No: C03010
Metal & Mineral Samples Set of 20



Coal & Product

Art No: C03011
Coal & Product from processing



Aluminum

Art No: C03012



Porcelain Casseroles

Art.No	Capacity (mm)	Rim Dia(mm)	Bottom Dia (mm)	Height (mm)
C-78	30	50	30	30
C-79	40	56	34	32
C-79-1	50	60	36	34
C-80	70	66	40	39
C-81	100	80	52	45
C-82	125	86	53	46
C-83	150	90	54	48
C-84	200	96	56	52
C-85	250	108	65	60
C-85-1	300	110	66	62
C-86	400	120	70	65
C-87	500	132	80	70
C-88	700	140	82	75
C-89	1000	164	100	90



Evaporating Dishes, Porcelain Glazed

Art No:	Capacity (ml)	Rim diam (mm)	Heights (mm)
C-46-1	15	47	20
C-46	35	60	25
C-47	40	64	25
C-48	50	70	28
C-49	60	74	30
C-50	75	82	32
C-51	100	90	35
C-52	115	96	36
C-53	125	98	38
C-54	140	100	39
C-55	150	104	40
C-55-1	160	106	42
C-56	180	108	43
C-57	200	110	44
C-58	225	116	45
C-59	250	118	48
C-60	270	120	49



Porcelain Mortar and Pestle

Art No	Head of Pestle.mm	Length of pestle.mm	Rim diam.mm	Bottom Diam. mm	Height.mm
C-154	18	65	60	32	32
C-154-1	26	90	80	44	41
C-155	30	110	100	60	45
C-156	37	140	130	80	62
C-157	42	170	160	90	74
C-158	48	200	216	114	90
C-158-1	55	230	254	130	110
C-158-2	65	260	305	160	140
C-158-3	75	310	365	180	150

Spotting Plates, Glazed

Art No	No of hollows	Length (mm)	Width (mm)	Thickness (mm)	Hollow diam. (mm)	Hollow Depth (mm)
C-159	2	56	28	8	21	6
C-160	4	58	54	10	21	6
C-161	6	85	54	11	21	6
C-162	12	115	90	12	21	6



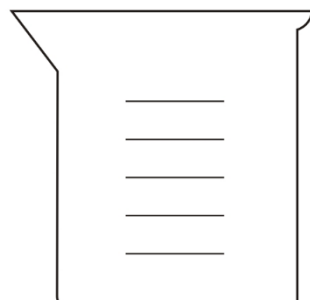
Clay Pipe Triangles

Art No:
C-195 55mm
C-196 65mm
C-197 75mm



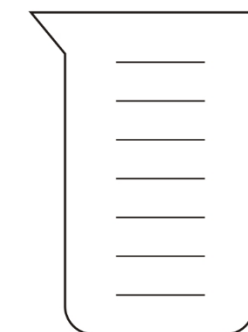
1101 BEAKER low form, with spout, with printed graduations

Art No	Capacity ml	Height mm	O.D. mm	Quantity Per case
1101.01	5	30	20	1152
1101.02	10	35	25	1152
1101.03	25	45	33	576
1101.04	50	58	46	192
1101.05	100	72	52	192
1101.06	150	80	57	192
1101.07	200	88	64	144
1101.08	250	94	69	144
1101.09	300	102	76	144
1101.10	400	110	82	72
1101.11	500	115	87	72
1101.12	600	128	95	48
1101.13	800	138	102	36
1101.14	1000	150	110	24
1101.15	2000	200	133	16
1101.16	3000	250	160	8
1101.17	5000	280	178	6



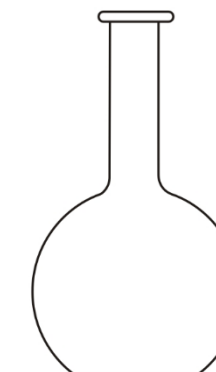
1102 BEAKER TALL form, with spout, with printed graduations

Art No	Capacity ml	Height mm	O.D. mm	Quantity Per case
1102.01	50	67	40	192
1102.02	100	88	45	192
1102.03	150	100	53	144
1102.04	250	122	60	72
1102.05	400	138	70	72
1102.06	600	165	80	48
1102.07	800	178	90	36
1102.08	1000	195	100	24
1102.09	2000	240	118	16
1102.10	3000	280	135	8



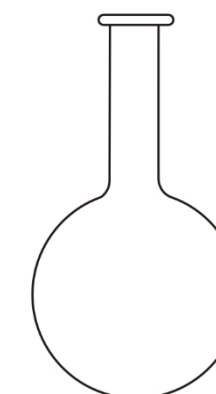
1111 BOILING FLASK flat bottom, long narrow neck

Art No	Capacity ml	Height of flask mm	O.D. of bulb mm	O.D. of neck mm	Quantity per case
1111.01	5	62	27	13	576
1111.02	10	68	33	13	576
1111.03	25	82	41	15	288
1111.04	50	100	53	20	192
1111.05	100	120	65	21	192
1111.06	150	140	76	22	96
1111.07	200	150	83	23	96
1111.08	250	160	88	25	72
1111.09	300	170	92	26	48
1111.10	500	200	110	30	48
1111.11	1000	250	140	38	4
1111.12	2000	300	175	40	12
1111.13	3000	370	199	50	8
1111.14	5000	400	235	55	4



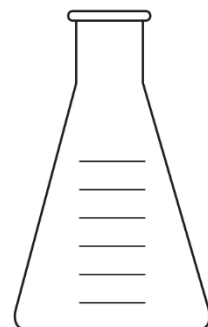
1115 BOILING FLASK round bottom, long narrow neck

Art No	Capacity ml	Height mm	O.D. of bulb mm	O.D. of neck mm	Quantity Per case
1115.01	5	62	27	13	576
1115.02	10	68	33	13	576
1115.03	25	82	41	15	288
1115.04	50	100	53	20	192
1115.05	100	120	63	21	192
1115.06	150	145	76	22	96
1115.07	200	155	83	23	96
1115.08	250	165	88	25	72
1115.09	300	180	92	26	48
1115.10	500	210	110	30	48
1115.11	1000	260	140	35	24
1115.12	2000	305	175	46	12
1115.13	3000	370	199	50	8
1115.14	5000	400	235	55	4



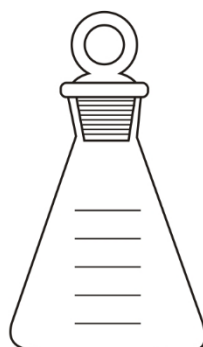
1121 CONICAL FLASK Narrow Mouth with Graduation

Art No	Capacity ml	Height of flask mm	O.D. at base mm	O.D. of neck mm	Quantity per case
1121.01	5	50	25	14	1152
1121.02	10	55	30	15	1152
1121.03	25	70	40	16	576
1121.04	50	90	52	20	192
1121.05	100	105	60	22	192
1121.06	150	120	69	25	144
1121.07	200	130	76	26	96
1121.08	250	144	83	30	72
1121.09	300	155	89	32	48
1121.10	500	195	100	35	48
1121.11	1000	225	128	40	24
1121.12	2000	285	170	53	12
1121.13	3000	330	195	54	8
1121.14	5000	380	235	65	4



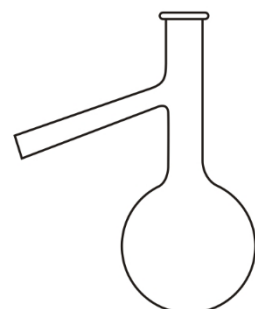
1122 CONICAL FLASK with ground-in glass stopper

Art No	Capacity ml	Height of flask mm	O.D. at base mm	Quantity per case
1122.01	50	90	56	192
1122.02	100	108	60	192
1122.03	250	140	83	72
1122.04	500	185	98	48
1122.05	1000	215	130	36



1131 DISTILLING FLASK with side tube

Art No	Capacity ml	Height mm	O.D. of bulb mm	O.D. of neck mm
1131.01	50	190	70	23
1131.02	125	220	88	25
1131.03	500	270	100	30
1131.04	1000	350	140	35
1131.05	2000	410	175	46



1171 EVAPORATING DISH flat bottom, with spout

Art No:	Diameter mm	Height mm	Quantity per case
1171.01	60	30	240
1171.02	90	45	120
1171.03	120	60	60
1171.04	150	75	60



1173 CRYSTALLIZING DISH with spout

Art No	Capacity mm	Height mm	Quantity per case
1173.01	90	45	120
1173.02	100	50	120
1173.03	125	63	48
1173.04	150	75	48
1173.05	180	90	24

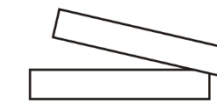
1175 WATCH GLASS

Art. No	Diameter mm	Quantity per case
1175.01	45	1200
1175.02	60	600
1175.03	70	600
1175.04	80	600
1175.05	90	600
1175.06	100	600
1175.07	120	400
1175.08	150	400
1175.09	180	400



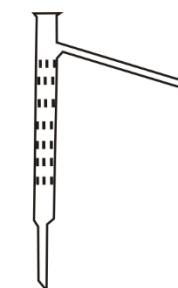
1177 PETRI CULTURE DISH

Art.No	Bottom Dia. mm	Cover Dia. mm	Height mm	Quantity case
1177.01	60	65	15	288
1177.02	75	82	15	288
1177.03	90	98	18	192
1177.04	100	107	20	192
1177.05	120	130	25	96
1177.06	150	160	30	48



1207 DISTILLING TUBE with thorn

Art No	Length of Vigreux tube mm	Total length mm	O.D of main tube mm	O.D of side tube mm
1207.01	250	410	21	6
1207.02	400	560	23	7
1207.03	500	690	25	8
1207.04	600	790	27	9
1207.05	800	1020	30	10
1207.06	1000	1220	33	11



1213 CONDENSER Liebig with fused inner tube

Art No:	Length of jacket mm	O.D. of upper tube mm	Cooling area dm ²	Length mm
1213.01	mm	mm	dm ²	mm
1213.02	200	18	0.7	350
1213.03	250	18	1.0	420
1213.04	300	20	1.1	480
1213.05	400	22	1.6	590
1213.06	500	24	2.2	710
1213.07	600	24	2.8	810
1213.08	800	28	4.3	1050
1213.09	1000	28	5.7	1250



1224 Connection tube T shape

Art No	O.D. of tube	Max. Length	Length of branches
1224.01	7-8mm	100mm	50mm
1224.02	10-11mm	120mm	60mm
1224.03	15-16mm	150mm	75mm



1225 Connection tube Y shape

Art No	O.D. of tube	Max. Length	Length of branches
1225.01	7-8mm	100mm	50mm
1225.02	10-11mm	120mm	60mm
1225.03	15-16mm	150mm	75mm



1226 Connection tube U shape

Art No	O.D. of tube	Max. Length	Length of branches
1226.01	7-8mm	100mm	50mm
1226.02	10-11mm	120mm	60mm



1231 TEST TUBE without rim, bacteriological

Art No	O.D.	Length	Quantity	Art No	O.D.	Length	Quantity
	mm	mm	Per case		mm	mm	Per case
1231.01	10	75	2000	1231.10	18	100	600
1231.02	10	100	2000	1231.11	18	150	600
1231.03	12	75	2000	1231.12	18	180	600
1231.04	12	100	2000	1231.13	19	150	600
1231.05	13	100	2000	1231.14	21	150	400
1231.06	15	100	1000	1231.15	21	180	400
1231.07	15	150	1000	1231.16	25	150	300
1231.08	16	125	1000	1231.17	25	200	200
1231.09	16	150	1000				



1232 TEST TUBE with rim

Art No	O.D.	Length	Quantity	Art No	O.D.	Length	Quantity
	mm	mm	Per case		mm	mm	Per case
1232.01	10	75	2000	1232.10	18	100	600
1232.02	10	100	2000	1232.11	18	150	600
1232.03	12	75	2000	1232.12	18	180	600
1232.04	12	100	2000	1232.13	19	150	600
1232.05	13	100	2000	1232.14	21	150	400
1232.06	15	100	1000	1232.15	21	180	400
1232.07	15	150	1000	1232.16	25	150	300
1232.08	16	125	1000	1232.17	25	200	200
1232.09	16	150	1000				



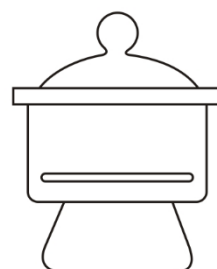
1301 WEIGHING BOTTLE tall form, with ground-in glass stopper

Art No	Diameter mm	Height mm	Quantity per case
1301.01	25	40	288
1301.02	30	50	288
1301.03	30	60	144
1301.04	35	70	144
1301.05	40	70	72



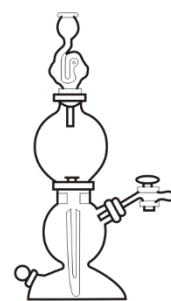
1351 DESICCATOR with porcelain plate

Art No	I.D.	Depth to plate support	Total Height	Diameter of porcelain plate	Quantity
	mm	mm	mm	mm	Per case
1351.01	100	50	165	92	12
1351.02	150	80	220	135	4
1351.03	180	100	280	150	2
1351.04	210	120	320	185	1
1351.05	240	130	360	210	1
1351.06	300	165	450	275	1



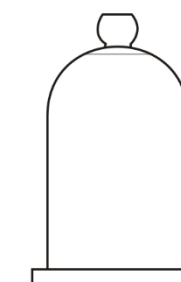
1361 GAS GENERATOR with outlet near bottom, safety funnel, stopcock and rubber stoppers

Art No	Capacity	O.D. of bulb	Height of generator	Quantity
	ml	mm	mm	Per case
1361.01	250	82	314	6
1361.02	500	98	3610	6
1361.03	1000	130	450	4
1361.04	2000	160	580	2



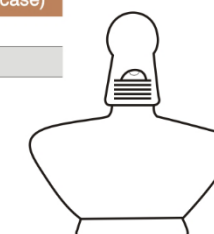
1371 BELL JAR high straight form, with knob, clear

Art No	I.D.	Inside Height	Quantity Per Case
	mm	mm	
1371.01	120	180	12
1371.02	150	250	6
1371.03	180	250	6
1371.04	200	300	4
1371.05	250	400	2



1381 ALCOHOL LAMP conical shape, with plastic cap

Art.No	Capacity (ml)	Quantity (Per case)
1381.01	150	96
1381.02	250	72



1383 GLASS MORTAR with pestle

Art No	Top Diameter (mm)	Height (mm)
1383.01	60	40
1383.02	75	40
1383.03	90	50
1383.04	120	60
1383.05	150	85
1383.06	180	96



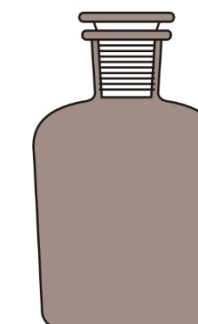
1401 REAGENT BOTTLE clear glass, narrow mouth, with ground-in glass stopper

Art No	Capacity ml	Height of bottle mm	Diameter of bottle mm	Diameter of neck mm	Quantity Per case
1401.01	30	76	40	18	144
1401.02	60	85	46	22	144
1401.03	125	110	57	24	144
1401.04	250	135	70	27	36
1401.05	500	172	85	33	24
1401.06	1000	202	106	38	12
1401.07	2500	270	145	48	6
1401.08	5000	338	185	58	4
1401.09	10000	430	225	68	2
1401.10	20000	520	265	82	1



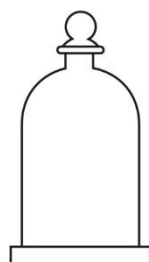
1402 REAGENT BOTTLE amber glass, narrow mouth, with ground-in glass stopper

Art No	Capacity ml	Height of bottle mm	Diameter of bottle mm	Diameter of neck mm	Quantity Per case
1402.01	30	76	40	18	144
1402.02	60	85	46	22	144
1402.03	125	110	57	24	144
1402.04	250	135	70	27	36
1402.05	500	172	85	33	24
1402.06	1000	202	106	38	12
1402.07	2500	270	145	48	6
1402.08	5000	338	185	58	4
1402.09	10000	430	225	68	2
1402.10	20000	520	265	82	1



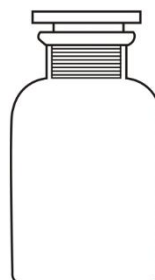
1373 BELL JAR high straight form, with ground-in glass stopper

Art No	I.D.	Inside Height	Quantity Per Case
	mm	mm	
1373.01	120	180	12
1373.02	150	200	6
1373.03	150	250	6
1373.04	180	250	6
1373.05	200	300	4
1373.06	250	400	2



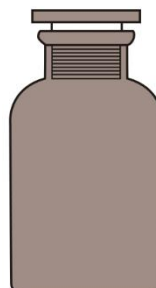
1403 REAGENT BOTTLE clear glass, wide mouth, with ground-in glass stopper

Art No	Capacity	Height of bottle	Diameter of bottle	Diameter of neck	Quantity
	ml	mm	mm	mm	
1403.01	30	72	40	25	144
1403.02	60	80	46	30	144
1403.03	125	108	57	38	144
1403.04	250	130	70	50	36
1403.05	500	165	85	58	24
1403.06	1000	188	106	65	12
1403.07	2500	260	145	90	6
1403.08	5000	330	185	110	4
1403.09	10000	415	225	125	2



1404 REAGENT BOTTLE amber glass, wide mouth, with ground-in glass stopper

Art No	Capacity	Height of bottle	Diameter of bottle	Diameter of neck	Quantity
	ml	mm	mm	mm	Per case
1404.01	30	72	40	25	144
1404.02	60	80	46	30	144
1404.03	125	108	57	38	144
1404.04	250	130	70	50	36
1404.05	500	165	85	58	24
1404.06	1000	188	106	65	12



1405 Reagent Bottle, Clear Glass, with Screw Cap

Art No	Capacity
	ml
1405.01	100
1405.02	250
1405.03	500
1405.04	1000



1406 Reagent Bottle, Amber Glass, with Screw Cap

Art No	Capacity
	ml
1406.01	100
1406.02	250
1406.03	500
1406.04	1000



Reagent Bottle, Square with Screw Cap

Art No	Capacity
	ml
1407.01	100
1407.02	250
1407.03	500
1407.04	1000

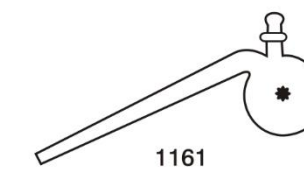


Reagent Bottle, Wide Mouth with Screw Cap

Art No	Capacity
	ml
1408.01	250
1408.02	500

1161 RETORT with ground-in glass stopper

Art No	Capacity approx	Total length approx	Diameter of bulb approx	Art No	Capacity approx	Total length approx	Diameter of bulb approx
	ml	mm	mm		ml	mm	mm
1161.01	125	220	70	1161.05	2000	360	170
1161.02	250	225	86	1161.06	5000	450	228
1161.03	500	300	105	1161.07	10000	600	300
1161.04	1000	430	130				



1214 CONDENSER Allihn with bulbed inner tube

Art No	Length of jacket	O.D. of upper tube	Cooling area	Length
	mm	mm	dm ²	mm
1214.01	200	18	1.0	350
1214.02	250	18	1.5	420
1214.03	300	20	1.8	480
1214.04	400	22	2.7	590
1214.05	500	24	3.7	710
1214.06	600	24	4.9	800
1214.07	800	28	7.6	1050
1214.08	1000	28	10.0	1250
1214.09	1200	33	12.7	1360
1214.10	1500	33	17.0	1720



1215 CONDENSER Graham with coiled inner tube

Art No	Length of jacket	O.D. of upper tube	Cooling area	Length
	mm	mm	dm ²	mm
1215.01	200	18	2.3	350
1215.02	250	20	2.7	420
1215.03	300	20	3.3	480
1215.04	400	22	4.7	590
1215.05	500	24	7.0	710
1215.06	600	24	8.2	810



1432 FILTERING FLASK with side tubulure

Art No	Capacity	Height	O.D. of base	O.D. of neck	Quantity
	ml	mm	mm	mm	Per case
1432.01	125	130	75	26	36
1432.02	250	160	90	33	60
1432.03	500	200	115	40	24
1432.04	1000	240	140	44	16
1432.05	2500	295	190	55	6
1432.06	5000	370	235	65	2
1432.07	10000	445	285	72	2



Filtering Apparatus

Art No: 1433



Culture Bottle

Art No: 1475
Capacity: 350ml



Drying Jar

Art No: 1477.01
Capacity: 9 slides



Drying Jar

Art No: 1477.02
Capacity: 10 slides



Dying Jar

Art No: 1477.03
Capacity: 30 slides



Dying Jar

Art No: 1477.04
Capacity: 60 slides



Dying Jar

Art No: 1478.01
Capacity: 3 slides



Dying Jar

Art No: 1478.02
Capacity: 5 slides



British Style Dropping Bottle, Clear

Art No	Capacity
1451A.01	30 ml
1451A.02	60 ml
1451A.03	125 ml



British Style Dropping Bottle, Amber

Art No	Capacity
1451B.01	30 ml
1451B.02	60 ml
1451B.03	125 ml



Dropping Bottle, Clear, with Grounded Pipette

Art No	Capacity
1451C.01	30 ml
1451C.02	60 ml
1451C.03	125 ml



Dropping Bottle, Amber, with Grounded Pipette

Art No	Capacity
1451D.01	30 ml
1451D.02	60 ml
1451D.03	125 ml

1451 DROPPING BOTTLE with ground-in pipette and latex rubber nipple

Art No	Capacity	O.D. of bottle	Height
	ml	mm	mm
1451.01	30	40	76
1451.02	60	46	85
1451.03	125	57	110



1451

1452 DROPPING BOTTLE Amber glass with ground-in pipette and latex rubber nipple

Art No	Length of Jacket	O.D. of bottle	Height
	ml	mm	mm
1452.01	30	40	76
1452.02	60	46	85
1452.03	125	57	110



1452

1456 DROPPING PIPETTE straight up, with latex rubber nipple

Art No	Length	O.D.
	mm	mm
1456.01	90	7-8
1456.02	160	7-8



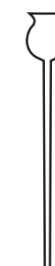
1457 DROPPING PIPETTE straight tip, with one bulb in-pipette and latex rubber nipple

Art No	Length	O.D.
	mm	mm
1457	90	7-8



1521 SAFE FUNNEL straight, thistle top

Art No	O.D. of top	O.D. of stem	Total Length
	mm	mm	mm
1521	40	7-8	350



5001 BOILING FLASK round bottom, short neck standard ground mouth

Art No	Capacity	Ground mouth	O.D. of upper tube	Height
	ml		mm	mm
5001.01	5	10/19	27	56
5001.02	5	14/23	27	60
5001.03	10	10/19	33	66
5001.04	10	14/23	33	68
5001.05	25	10/19	41	70
5001.06	25	14/23	41	75
5001.07	25	19/26	41	79
5001.08	50	14/23	53	88
5001.09	50	19/26	53	94
5001.10	50	24/29	53	97
5001.11	50	29/32	53	105
5001.12	100	14/23	65	100
5001.13	100	19/26	65	106
5001.14	100	24/29	65	109
5001.15	100	29/32	65	117
5001.16	150	19/26	76	117
5001.17	150	24/29	76	120
5001.18	250	19/26	88	134
5001.19	250	24/29	88	139
5001.20	250	29/32	88	145
5001.21	500	19/26	110	158
5001.22	500	24/29	110	161
5001.23	500	29/32	110	167
5001.24	500	34/35	100	170
5001.25	1000	19/26	140	188
5001.26	1000	24/29	140	196
5001.27	1000	29/32	140	199
5001.28	1000	34/35	140	202
5001.29	2000	14/29	175	231
5001.30	2000	29/32	175	234
5001.31	2000	34/35	175	237
5001.32	3000	29/32	199	281
5001.33	3000	34/35	199	284
5001.34	3000	40/38	199	287
5001.35	5000	40/38	235	333
5001.36	5000	50/42	235	337
5001.37	10000	50/42	297	410
5001.38	10000	60/46	297	414



5001

1522 SAFE FUNNEL with loop, thistle top

Art No	O.D.of top mm	O.D.of stem mm	Total Length mm
1522	40	7-8	350



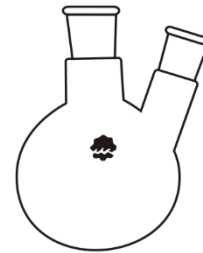
1523 SAFE FUNNEL with stopcock, thistle top

Art No	O.D.of top mm	O.D.of stem mm	Total Length mm
1523	40	7-8	350



5003 FLASK oblique shape, with two necks standard ground mouth

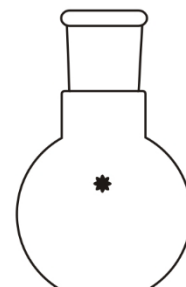
Art No	Capacity ml	Middle ground	Side ground mouth mm	Height mm
5003.01	100	19/26	14/23	106
5003.02	100	24/29	14/23	109
5003.03	250	19/26	14/23	134
5003.04	250	24/29	14/23	139
5003.05	250	24/29	19/26	139
5003.06	250	29/32	14/23	145
5003.07	250	29/32	19/26	145
5003.08	500	19/26	14/23	158
5003.09	500	24/29	14/23	161
5003.10	500	24/29	19/26	161
5003.11	500	29/32	14/23	167
5003.12	500	29/32	19/26	167
5003.13	1000	24/29	14/23	196
5003.14	1000	24/29	19/26	196
5003.15	1000	24/29	14/23	196
5003.16	1000	29/32	19/26	200
5003.17	1000	29/32	24/29	200
5003.18	1000	29/32	14/23	200
5003.19	2000	24/29	19/26	231
5003.20	2000	24/29	24/29	231
5003.21	2000	29/32	19/26	234
5003.22	2000	29/32	24/29	234



5003

5007 BOILING FLASK flat bottom, short neck standard ground mouth

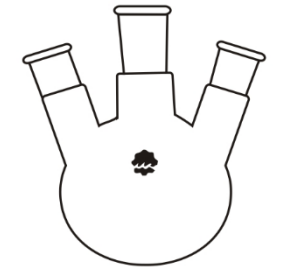
Art No	Capacity ml	Ground mouth	O.D.of upper tube mm	Height mm
5007.01	25	14/23	41	70
5007.02	50	14/23	53	88
5007.03	50	19/26	53	94
5007.04	100	14/23	65	100
5007.05	100	19/26	65	106
5007.06	100	24/29	65	109
5007.07	150	19/26	76	117
5007.08	150	24/29	76	120
5007.09	250	19/26	88	134
5007.10	250	24/29	88	139
5007.11	500	19/26	110	158
5007.12	500	24/29	110	161
5007.13	500	29/32	110	167
5007.14	1000	24/29	140	196
5007.15	1000	29/32	140	199
5007.16	2000	29/32	175	234
5007.17	2000	34/35	175	237
5007.18	5000	34/35	235	320



5007

5004 FLASK oblique shape, with three necks standard ground mouth

Art No	Capacity ml	Middle ground	Side ground mouth mm	Height mm
5004.01	100	19/26	14/23	106
5004.02	250	19/26	14/23	134
5004.03	250	19/26	19/26	134
5004.04	250	24/29	14/23	139
5004.05	250	24/29	19/26	139
5004.06	250	24/29	24/29	139
5004.07	250	29/32	14/23	145
5004.08	250	29/32	19/26	145
5004.09	500	19/26	14/23	158
5004.10	500	19/26	19/26	158
5004.11	500	24/29	14/23	161
5004.12	500	24/29	19/26	161
5004.13	500	24/29	24/29	161
5004.14	500	29/32	14/23	167
5004.15	500	29/32	19/26	167
5004.16	1000	19/29	14/23	188
5004.17	1000	19/29	19/26	180
5004.18	1000	24/29	14/23	196
5004.19	1000	24/29	19/26	196
5004.20	1000	24/29	24/29	196
5004.21	1000	29/32	14/23	200
5004.22	1000	29/32	19/26	200
5004.23	1000	29/32	24/29	200
5004.24	1000	29/32	29/32	200
5004.25	2000	24/29	24/29	231
5004.26	2000	29/32	19/26	234
5004.27	2000	29/32	24/29	234
5004.28	2000	29/32	29/32	234
5004.29	3000	29/32	24/29	281
5004.30	3000	34/35	24/29	284
5004.31	5000	40/38	24/29	333
5004.32	5000	50/42	24/29	337



5004

5009 CONICAL FLASK standard ground mouth

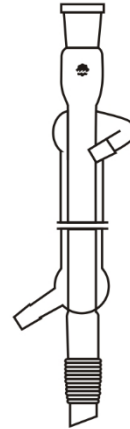
Art No	Capacity ml	Ground mouth	O.D.of upper tube mm	Height mm
5009.01	5	10/19	25	50
5009.02	5	14/23	25	50
5009.03	10	10/19	32	60
5009.04	10	14/23	32	60
5009.05	10	19/26	32	60
5009.06	25	10/19	42	65
5009.07	25	14/23	42	70
5009.08	25	19/26	42	75
5009.09	50	14/23	51	85
5009.10	50	19/26	51	85
5009.11	50	24/29	51	90
5009.12	100	14/23	64	105
5009.13	100	19/26	64	105
5009.14	100	24/29	64	105
5009.15	100	29/32	64	105
5009.16	150	19/26	71	115
5009.17	150	24/29	71	115
5009.18	250	19/26	85	135
5009.19	250	24/29	85	135
5009.20	250	29/32	85	128
5009.21	250	34/35	85	128
5009.22	500	19/26	105	170
5009.23	500	24/29	105	170
5009.24	500	29/32	105	165
5009.25	500	34/35	105	160
5009.26	1000	24/29	131	210
5009.27	1000	39/32	131	210
5009.28	1000	34/35	131	210
5009.29	2000	29/32	166	275
5009.30	2000	34/35	166	275



5009

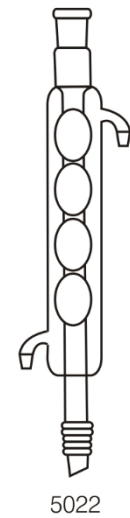
5021 CONDENSER straight shape standard ground mouth

Art No	Length of jacket mm	Ground mouth	Cooling area dm ²	Total length mm
5021.01	80	10/19	0.16	165
5021.02	80	14/23	0.16	175
5021.03	150	14/23	0.6	254
5021.04	200	14/23	1.0	305
5021.05	200	19/26	1.0	332
5021.06	200	24/29	1.0	350
5021.07	200	29/32	1.0	360
5021.08	300	19/26	1.6	432
5021.09	300	24/29	1.6	450
5021.10	300	29/32	1.6	460
5021.11	400	19/26	2.1	535
5021.12	400	24/29	2.1	555
5021.13	400	29/32	2.1	560
5021.14	500	19/26	2.7	532
5021.15	500	24/29	2.7	650
5021.16	500	29/32	2.7	660
5021.17	600	19/26	3.2	735
5021.18	600	24/29	3.2	735
5021.19	600	29/32	3.2	760



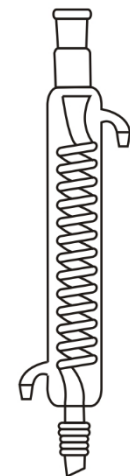
5022 CONDENSER with bulbed inner tube standard ground mouth

Art No	Length of jacket mm	Ground mouth	Cooling area dm ²	Total length mm
5022.01	150	14/23	0.6	235
5022.02	200	14/23	1.1	295
5022.03	200	19/26	1.1	330
5022.04	200	24/29	1.1	350
5022.05	200	29/32	1.1	360
5022.06	300	14/23	1.6	405
5022.07	300	19/26	1.6	430
5022.08	300	24/29	1.6	450
5022.09	300	29/32	1.6	460
5022.10	400	19/26	2.2	530
5022.11	400	24/29	2.2	550
5022.12	400	29/32	2.2	560
5022.13	500	19/26	3.0	630
5022.14	500	24/29	3.0	650
5022.15	500	29/32	3.0	660
5022.16	600	19/26	3.7	730
5022.17	600	26/29	3.7	750
5022.18	600	29/32	3.7	760



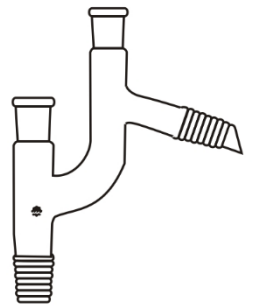
5023 CONDENSER with coiled inner tube standard ground mouth

Art No	Length of jacket mm	Ground mouth	Cooling area dm ²	Total length mm
5023.01	150	14/23	1.2	235
5023.02	200	14/23	2.3	295
5023.03	200	19/26	2.3	330
5023.04	200	24/29	2.3	350
5023.05	300	19/26	3.5	430
5023.06	300	24/29	3.5	450
5023.07	300	29/32	3.5	460
5023.08	400	19/26	4.7	530
5023.09	400	24/29	4.7	550
5023.10	400	29/32	4.7	560
5023.11	500	19/26	5.7	630
5023.12	500	24/29	5.7	650
5023.13	500	29/32	5.7	660
5023.14	600	19/26	7.7	730
5023.15	600	24/29	7.7	750
5023.16	600	29/32	7.7	760



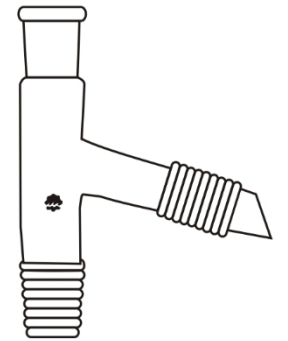
5034 DISTILLING HEAD standard ground mouth

Art No	Upper ground mouth	Side ground mouth	Lower ground stopper	Oblique ground stopper
5034.01	10/19	10/19	10/19	10/19
5034.02	14/23	14/23	14/23	14/23
5034.03	14/23	14/23	14/23	19/26
5034.04	14/23	14/23	14/23	24/29
5034.05	19/26	19/26	19/26	19/26
5034.06	24/29	24/29	24/29	24/29
5034.07	29/32	29/32	29/32	29/32



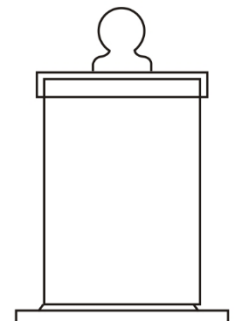
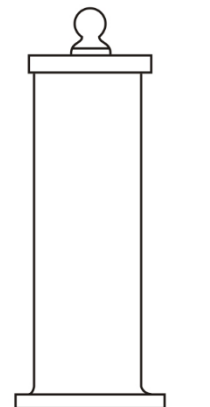
5035 DISTILLING HEAD standard ground mouth

Art No	Upper ground mouth	Lower ground stopper	Oblique ground stopper
5035.01	10/19	10/19	10/19
5035.02	14/23	14/23	14/23
5035.03	14/23	24/29	19/26
5035.04	14/23	24/29	24/29
5035.05	14/23	29/32	24/29
5035.06	14/23	29/32	29/32
5035.07	14/23	34/35	24/29
5035.08	19/26	19/26	19/26
5035.09	19/26	24/29	24/29
5035.10	19/26	29/32	29/32
5035.11	24/29	24/35	24/29
5035.12	29/32	29/32	29/32



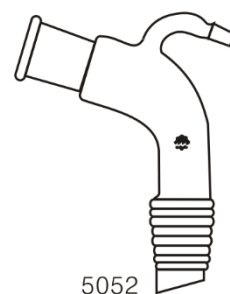
1471 SPECIMEN JAR with ground-in glass stopper and knob

Art No	Height mm	Diameter of body mm	Qty. Per case	Art No	Height mm	Diameter of body mm	Quantity, Per case
1471.01	90	45	72	1471.25	300	90	18
1471.02	120	45	72	1471.26	150	120	12
1471.03	150	45	48	1471.27	180	120	8
1471.04	180	45	48	1471.28	210	120	8
1471.05	210	45	48	1471.29	240	120	8
1471.06	240	45	36	1471.30	300	120	8
1471.07	90	60	48	1471.31	180	150	6
1471.08	120	60	48	1471.32	210	150	6
1471.09	150	60	48	1471.33	240	150	6
1471.10	180	60	48	1471.34	300	150	6
1471.11	210	60	24	1471.35	400	150	6
1471.12	240	60	24	1471.36	180	180	6
1471.13	300	60	24	1471.37	210	180	6
1471.14	120	75	48	1471.38	240	180	6
1471.15	150	75	48	1471.39	300	180	6
1471.16	180	75	24	1471.40	400	180	4
1471.17	210	75	24	1471.41	210	210	4
1471.18	240	75	24	1471.42	240	210	4
1471.19	300	75	24	1471.43	300	210	2
1471.20	120	90	24	1471.44	400	210	2
1471.21	150	90	24	1471.45	240	240	2
1471.22	180	90	24	1471.46	300	240	2
1471.23	210	90	24	1471.47	400	240	2
1471.24	240	90	24				



5052 RECEIVING TUBE 105° standard ground mouth

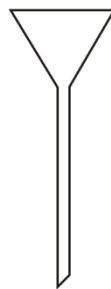
Art No:	ground mouth	ground stopper
5052.01	10/19	10/19
5052.02	14/23	14/23
5052.03	19/26	19/26
5052.04	24/29	19/26
5052.05	24/29	24/29
5052.06	29/32	29/32



5052

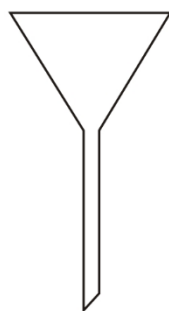
1503 STANDARD FUNNEL 60° approx, long stem

Art No	Diameter	Length of stem	Quantity
	mm	mm	Per case
1503.01	50	150	192
1503.02	60	150	144
1503.03	75	150	96
1503.04	90	150	72



1504 STANDARD FUNNEL 60° approx, short stem

Art No	Diameter	Length of stem	Quantity
	mm	mm	Per case
1504.01	40	40	288
1504.02	50	50	288
1504.03	60	60	144
1504.05	75	75	96
1504.06	90	90	72
1504.07	100	100	72
1504.08	120	120	48
1504.09	150	150	24



1542 SEPARATORY FUNNEL globe shape, with ground-in glass stopper and stopcock

Art No	Capacity	O.D. of body	Total Length	Diameter of stem	Quantity
	ml	mm	mm	mm	
1542.01	60	55	270	7	60
1542.02	125	67	290	7	48
1542.03	250	84	315	8	32
1542.04	500	100	355	9	24
1542.05	1000	130	425	10	12



1543 SEPARATORY FUNNEL pear shape, with ground-in glass stopper and stopcock

Art No	Capacity	O.D. of body	Total Length	Dia. of stem	I.D. of neck	Qty.
	ml	mm	mm	mm	mm	Per case
1543.01	60	48	205	7	14	60
1543.02	125	67	260	7	19	48
1543.03	250	74	310	8	19	32
1543.04	500	90	355	9	24	24
1543.05	1000	120	430	10	29	12



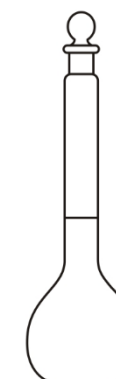
1601 MEASURING CYLINDER with spout

Art No	Capacity	Height	O.D.	Graduated Interval	Quantity
	ml	mm	mm	mm	per case
1601.01	10	150	13	0.2	288
1601.02	25	170	20	0.5	288
1601.03	50	195	25	1	96
1601.04	100	250	30	2	72
1601.05	250	320	40	5	48
1601.06	500	360	54	5	24
1601.07	1000	440	65	10	12
1601.08	2000	500	90	20	6



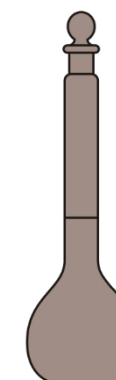
1621 VOLUMETRIC FLASK graduated one mark, with ground-in glass stopper, clear

Art No	Capacity	Height	O.D. of body	O.D. of neck	Quantity
	ml	mm	mm	mm	Per case
1621.01	10	100	28	9	288
1621.02	25	112	38	10	288
1621.03	50	140	46	11	288
1621.04	100	180	59	12	144
1621.05	250	255	80	14	72
1621.06	500	250	101	17	48
1621.07	1000	320	126	19	12
1621.08	2000	370	157	24	6



1622 VOLUMETRIC FLASK graduated one mark, with ground-in glass stopper, amber

Art No	Capacity	Height	O.D. of body	O.D. of neck	Quantity
	ml	mm	mm	mm	Per case
1622.01	10	100	28	9	288
1622.02	25	112	38	10	288
1622.03	50	140	46	11	288
1622.04	100	180	59	12	144
1622.05	250	255	80	14	72
1622.06	500	250	101	17	48
1622.07	1000	320	126	19	12
1622.08	2000	370	157	24	6



1631 MEASURING PIPETTE with coding band

Art No	Capacity	Length	Graduated Interval	Quantity Per case
	ml	mm	mm	
1631.01	0.1	320	0.001	600
1631.02	0.2	320	0.002	600
1631.03	0.25	320	0.0025	600
1631.04	0.5	320	0.005	600
1631.05	1	320	0.01	600
1631.06	2	320	0.02	480
1631.07	5	330	0.05	480
1631.08	10	330	0.1	480
1631.09	25	500	0.1	240
1631.10	50	750	0.1	120



1633 VOLUMETRIC PIPETTE with one mark

ArtNo	Capacity ml	Length mm	O.D. of lower tube mm	Quantity Per case
1633.01	1	300	4	240
1633.02	2	300	4	240
1633.03	5	400	5	180
1633.04	10	450	6	180
1633.05	15	500	6	180
1633.06	20	530	6	120
1633.07	25	530	6	120
1633.08	50	570	7	60
1633.09	100	600	7	60



1641 BURETTE with rubber tubing connection, glass bead and glass tip

Art No	Capacity ml	Length mm	O.D. mm	Graduated interval ml	Quantity Per case
1641.01	10	45	9	0.05	120
1641.02	25	55	12	0.1	120
1641.03	50	75	13	0.1	120
1641.04	100	800	18	0.2	120



1642 BURETTE with straight stopcock

Art No	Capacity ml	Length mm	O.D. mm	Graduated Interval ml	Quantity Per case
1642.01	10	450	9	0.05	48
1642.02	25	550	12	0.1	48
1642.03	50	750	13	0.1	48
1642.04	100	800	18	0.2	48



1647 BURETTE amber glass, with rubber tubing connection, glass bead and tips

Art No	Capacity ml	Length mm	O.D. mm	Graduated Interval ml	Quantity Per case
1647.01	10	450	9	0.05	120
1647.02	25	550	12	0.1	120
1647.03	50	750	13	0.1	100
1647.04	100	800	18	0.2	120



1648 BURETTE amber glass, with straight stopcock

Art No	Capacity ml	Length mm	O.D. mm	Graduated Interval ml	Quantity Per case
1648.01	10	450	9	0.05	60
1648.02	25	550	12	0.1	60
1648.03	50	750	13	0.1	60
1648.04	100	800	18	0.2	60



Test tube, with screw cap

Art No:	Size	Cap
C05001.01	dia 13x100	Blue
C05001.02	dia 13x100	Black
C05001.03	dia 16x160	Blue
C05001.04	dia 16x160	Black
C05001.05	dia 18x180	Blue
C05001.06	dia 18x180	Black
C05001.07	dia 16x100	Blue
C05001.08	dia 16x100	Black
C05001.09	dia 18x150	Blue
C05001.10	dia 18x150	Black
C05001.11	dia 20x150	Blue
C05001.12	dia 20x150	Black
C05001.13	dia 25x150	Blue
C05001.14	dia 25x150	Black



Filter Paper

Filter Paper, Round, Pk/100

Art No: C05002

Art No: C05002.01,	7cm diameter
Art No: C05002.02,	9cm diameter
Art No: C05002.03,	11cm diameter
Art No: C05002.04,	12.5cm diameter
Art No: C05002.05,	15cm diameter
Art No: C05002.06,	18cm diameter
Art No: C05002.07,	24cm diameter
Art No: C05002.08,	32cm diameter



PH Paper

Art No: C05003. 01



PH Paper

Art No: C05003. 02



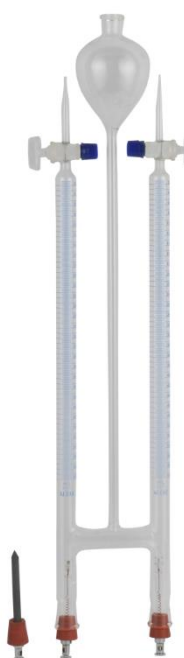
Economical Hoffman Electrolysis Apparatus

Art No: C05006



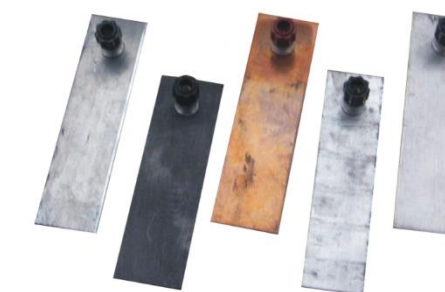
Electrolysis Apparatus

Art No: C05007



Deluxe Hoffman Electrolysis Apparatus

Art No: C05004.03
50ml with platinum electrode
Art No: C05004.04
60ml with graphite and platinum electrodes



Electrodes

Art No:
C05008.01 Copper
C05008.02 Brass
C05008.03 Aluminium
C05008.04 Lead
C05008.05 Zinc
C05008.06 Iron
Size: 72x25x3mm. With socket.



Conductivity of Solutions Apparatus

Art No: C05009



Conductivity of Solutions Apparatus

Art No: C05010



Brownlee Electrolysis Apparatus

Art No: C05012



Brownlee Electrolysis Apparatus

Art No: C05013



Demonstrator of Hydroxyl Ion to Generate Electricity

Art No: C05014
Size: 210x100x55mm



Solid Conductive & Non-conductive Materials Set

Art No: C05015



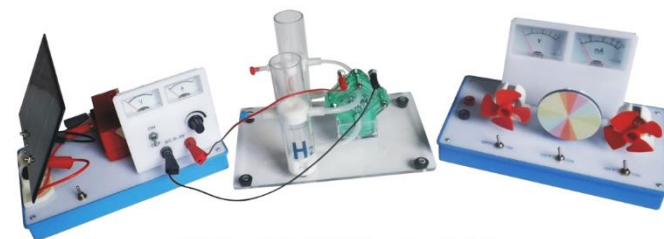
Hydrogen Cell Car Model

Art No: C06001



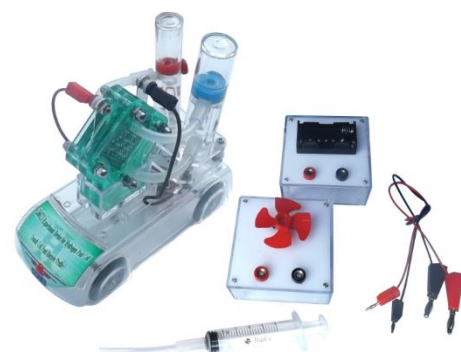
Hydrogen Cell Car Model

Art No: C06002



Hydrogen Cell Demonstrator

Art No: C06003



Hydrogen Cell Car Model

Art No: C06004



Hydrogen Cell Demonstrator

Art No: C06005



Test Tube, PS

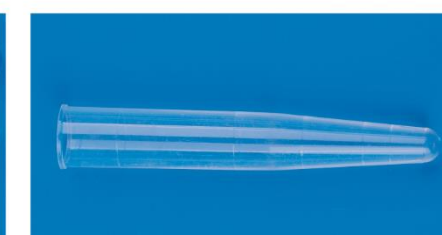
Art No:P001

- P001.01, 12x55mm
- P001.02, 12x60mm
- P001.03, 12x75mm
- P001.04, 13x75mm
- P001.05, 13x78mm
- P001.06, 12x100mm
- P001.07, 15x100mm
- P001.08, 16x100mm

Test Tube, PP

Art No:P002

- P002.01, 12x75mm
- P002.02, 13x78mm
- P002.03, 12x100mm
- P002.04, 15x100mm



Conical Test Tube

Art No:P003

- Art No:P003.01, Conical Test Tube,PS,16X102
- Art No:P003.02, Conical Test Tube,PP,16X102



Microcentrifuge Tube (PCR Tube)

Art No:P004

- Art No:P004.01, 0.2ml
- Art No:P004.02, 0.5ml
- Art No:P004.03, 1.5ml
- Art No:P004.04, 2ml

Variety of colors available



Cytrotube

Art No:P006

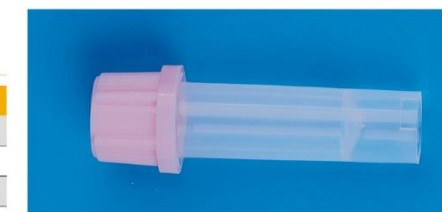
- Art No:P006.01, 1.8ml
- Art No:P006.02, 5ml



Sample Cup

Art No:P005

- P005.01 For Hitachi 7150,7060,16x38mm
- P005.02 For Beckman CX series,13x24mm
- P005.03 For Beckman 700/Dupont,14x25mm
- P005.04 For Kodak 13x20mm
- P005.05 For American IL 13x17mm
- P005.06 For American Corning 550, 560,12x20mm



Centrifuge Tube

Art No:P007

- Art No:P007.01, 5ml
- Art No:P007.02, 7ml
- Art No:P007.03, 10ml

Pediatric Blood Collection Tube

Art No:P009

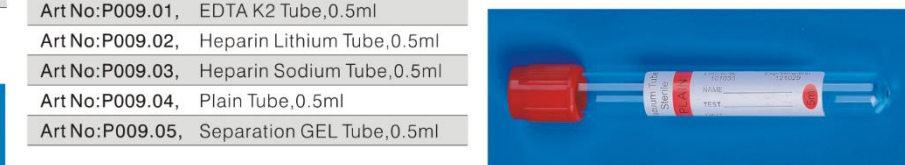
- Art No:P009.01, EDTA K2 Tube,0.5ml
- Art No:P009.02, Heparin Lithium Tube,0.5ml
- Art No:P009.03, Heparin Sodium Tube,0.5ml
- Art No:P009.04, Plain Tube,0.5ml
- Art No:P009.05, Separation GEL Tube,0.5ml



Centrifuge Tube

Art No:P008

- Art No:P008.01, 10ml
 - Art No:P008.02, 15ml
 - Art No:P008.03, 50ml
- Cap colors: blue, green and orange available.



Vacuum Blood Collection Tube

Art No:P011

- Art No:P011.01, Plain Tube,13x75mm,3ml
 - Art No:P011.02, Plain Tube,13x75mm,4ml
 - Art No:P011.03, Plain Tube,13x75mm,5ml
 - Art No:P011.04, Plain Tube,13x100mm,6ml
 - Art No:P011.05, Plain Tube,13x100mm,7ml
 - Art No:P011.06, Plain Tube,16x100mm,8ml
 - Art No:P011.07, Plain Tube,16x100mm,9ml
 - Art No:P011.08, Plain Tube,16x100mm,10ml
- Glass and PET for option.



Pediatric Blood Collection Tube

Art No:P010

- No:P010.01, EDTA K2 Tube,0.5ml
- No:P010.02, EDTA K3 Tube,0.5ml



Electric Pipette

Art No: LAB01018

Single-channel electric pipette-onepipet

Order No.	Volume Range	Increment	Partial volume		Systematic error		Random error	
			μl	μl	$\pm\mu\text{l}$	$\leq\%$	$\pm\mu\text{l}$	$\leq\%$
601112	0.1-3 μl	0.01 μl	0.3/1.5/3	0.03/0.036/0.039	10/2.4/1.3	0.018/0.024/0.024	6/1.6/0.8	
601122	0.2-10 μl	0.01 μl	1/5/10	0.025/0.075/0.1	2.5/1.5/1	0.015/0.035/0.04	1.5/0.7/0.4	
601132	0.5-20 μl	0.02 μl	2/10/20	0.15/0.15/0.2	7.5/1.5/1	0.04/0.05/0.06	2/0.5/0.3	
601142	2-100 μl	0.1 μl	10/50/100	0.2/0.3/0.5	2/0.6/0.5	0.1/0.12/0.15	1/0.24/0.15	
601152	5-200 μl	0.2 μl	20/100/200	0.5/0.8/1.5	2.5/0.8/0.75	0.2/0.25/0.4	1/0.25/0.2	
601162	10-500 μl	0.5 μl	50/250/500	0.8/1.2/2	1.6/0.48/0.4	0.35/0.6/0.8	0.7/0.24/0.16	
601172	50-1000 μl	1 μl	100/500/1000	2/2.5/4	2/0.5/0.4	0.6/1/1.5	0.6/0.2/0.15	
601182	0.1-5ml	5 μl	500/2500/5000	5/10/25	1/0.4/0.5	2/4/7	0.4/0.16/0.14	



Micro Pipette 12 Channels

Art No: LAB01016

LAB01016.01	0.5ul Fixed
LAB01016.02	1ul Fixed
LAB01016.03	2ul Fixed
LAB01016.04	2.5ul Fixed
LAB01016.05	5ul Fixed
LAB01016.06	10ul Fixed
LAB01016.07	20ul Fixed
LAB01016.08	25ul Fixed
LAB01016.09	50ul Fixed
LAB01016.10	100ul Fixed
LAB01016.11	200ul Fixed
LAB01016.12	250ul Fixed
LAB01016.13	300ul Fixed
LAB01016.14	0.5-10ul Adjustable
LAB01016.15	5-50ul Adjustable
LAB01016.16	50-300ul Adjustable



Motorized Pipette Controller

Art No: LAB01017

Specifications:

- Operating and charging temperature +10°C to +35°C
- Pipetting speed: 50ml in less than 10 seconds
- For glass and plastic pipettes from 0.1 to 200ml
- Approx. twelve hours of continuous pipetting (with a 10ml pipette) without recharging
- Lithium battery 2.4v/700mAh
- Colors Optional: Dark Blue, Dark Green, Gray, Megenda



Centrifuge 800

Art No: LAB02001
0-4000rpm, 20ml x 6



Centrifuge 80-1

Art No: LAB02003
0-4000rpm, 20ml x 6, with timer

LAB02002.01, Mini Centrifuge, 4K/Min
LAB02002.02, Mini Centrifuge, 7K/Min
LAB02002.03, Mini Centrifuge, 10K/Min
LAB02002.04, Mini Centrifuge, 12K/Min
LAB02002.05, Mini Centrifuge, 4K/Min and 7K/Min
LAB02002.06, Mini Centrifuge, 4K/Min, 7K/Min and 10K/Min

Rotors:

1. Angular Rotor: 2/1.5/0.5/0.2ml x 8
2. PCR Strip Tube: 0.2ml x 8 x 2



Mini Centrifuge



Centrifuge 80-2

Art No: LAB02004
0-4000rpm, 20ml x 12, with timer



Centrifuge 90-4

Art No: LAB02005
0-4000rpm, 15ml x 18, with timer



Centrifuge 80-2B

Art No: LAB02006
0-4000rpm, 20ml x 12, with timer



Centrifuge KA-1000

Art No: LAB02007
0-4000rpm, 15ml x 8, with timer



Centrifuge TDL-60C

Art No: LAB02008
0-6000rpm, 15ml x 12, with timer



Centrifuge SH120

Art No: LAB02009
0-12000rpm, 24 capillary tubes, with timer 60 min



Centrifuge SH120-II

Art No: LAB02010
0-12000rpm, 24 capillary tubes, with timer 99min



Centrifuge 90-1

Art No: LAB02011
0-5000rpm, 20ml x 12, with timer



Centrifuge LD-4

Art No: LAB02012
0-4000rpm, 100ml x 4, with timer



Micro Hematocrit Centrifuge SH120-I

Art No: LAB02013
0-12000rpm, 24 capillary tubes, with timer 60 min



Centrifuge 800D

Art No: LAB02015
0-4000rpm, 20ml x 6, with timer



Centrifuge 80-2E

Art No.: LAB02016
0-4000rpm, 20ml x 8, with timer



Safety lid-lock Automatic opening



Spinplus Centrifuge

Art No: LAB02023

The centrifuge is ideal for the separation of serum, plasma, urea, blood samples and other routine applications in hospital and research laboratories.

- Safety lid-lock
- LCD display
- Lid opens automatically
- The operation interface simple and easy
- RPM and RCF can be switched in display showing
- 8 or 6 of 15ml conical tubes with screw caps can be placed

Product Information :

Spinplus is the most powerful and competitive centrifuge in its class. It can be placed 6 or 8 of 15ml conical tubes with screw caps. The speed range is 100-5000RPM.

Features :

- Gentle deceleration at low speed with efficient separation. Acceleration and deceleration time(20-80 seconds) can be adjusted.
- The LCD display can be changed between RPM and RCF.
- Separate short spin button for convenient and quick spins.
- Automatic open of the lid when operation stops to save processing time.
- Operation can be timed from 10 seconds to 99 minutes with bell signal when operation finishes.
- Safety lid-lock to prevent opening the centrifuge lid until the rotor stops spinning.

Model	LAB02023
Power supply	110V-60Hz or 230V-50V/60Hz
Power requirement	40W
Speed range (rpm)	100-5000rpm (in 100rpm increments)
Relative centrifugal force (rcf)	3047xg
Timing	15 sec---99min
Acceleration time to max speed	20-80 seconds available
Deceleration time from max speed	20-80 seconds available

Art No.	Specification
LAB02023.01	Centrifuge with 15mlx6 rotor
LAB02023.02	Centrifuge with 15mlx8 rotor
LAB02023.03	Centrifuge with 5mlx12 rotor
Rotors for option	Rotor(15mlx6) for 15mlx6(D12x75 glass tube)
	Rotor(15mlx8) for 15ml conical tube with screw caps
	Rotor(5mlx12) for 5ml conical tube with screw caps



6 tubes metal rotor



8 tubes metal rotor



Centrifuge 800F

Art No: LAB02017
0-4000rpm, digital display 20mlx6, with timer



Centrifuge 80-2C

Art No.: LAB02018
0 ~ 4000rpm, 20ml x 12 with timer 0 ~ 99min



Centrifuge TGL-12B

Art No.: LAB02019
0 ~ 12000rpm, 24 capillary tubes (φ 1.5mm x 75mm) with timer 0 ~ 30min



Centrifuge 90-2

Art No.: LAB02020
0 ~ 4000rpm, 20ml x 12 with timer 0 ~ 60min



Centrifuge TGL-16A

Art No.: LAB02021
0 ~ 16000rpm, 0.5ml x 12/1.5ml x 12 with timer 0 ~ 30min
Rotor 5ml x 6 optional.



Centrifuge TGL-16C

Art No.: LAB02022
0 ~ 16000rpm, 0.5ml x 12/1.5ml x 12 with timer 0 ~ 30min
Rotor 5ml x 6 optional.



SmartSpin Microcentrifuge

Art No: LAB02024

Feature:

SmartSpin Microcentrifuge is perfect for quick spindown, the Multi-Rotor can be placed 12 microtubes and / or 4(8x0.2ml) PCR strips and the Strip-Rotor can be placed 4 (12x0.2ml) PCR strips. The Max speed can reach 12000rpm. It is a personal centrifuge with unmatched capacity and flexibility.

- Timer from 1 sec-999min
- Multi-Rotor for tubes and strips
- LCD display of time and speed
- Double capacity of minicentrifuge
- Adjustable speed from 1000rpm-12000rpm

Technical Data:

Capacity: 12x1.5ml / 2.0ml tubes
32x0.2ml PCR tubes
4xPCR strips (8x0.2ml)
4xPCR strips (12x0.2ml)

Speed: 1000-12000rpm adjustable
Operating Temp: 5°C-40°C
Power: 100-250V, 50-60Hz 30W

Order information		
Art No.	Code.No.	Specification
LAB02024.01	SmartSpin-7	Speed 1000-7000rpm Microcentrifuge, RCF 3240*g with multi-rotor
LAB02024.02	SmartSpin-12	Speed 1000-12000rpm Microcentrifuge, RCF 9515*g with multi-rotor
Rotors for option	Multi-Rotor	12x1.5ml / 2.0ml tubes & 4xPCR strips (8x0.2ml) Rotor
	Strips-Roto	4xPCR strips (12x0.2ml) Rotor
	5ml-Rotor	4x5ml Rotor
	Capillary-Rotor	24 Capillary hematocrit Rotor



Centrifuge TD4



Centrifuge TD4S

Features:

1. With micro-computer processor, digital display, brushless motor driving, and 10 groups data storage
2. Acceleration/deceleration time very short, shortest less than 5s.
3. Electronic locking, stainless steel inner chamber
4. With RCF button, parameters can be changed when running
5. With self diagnostic system on over speed, non-balance and cover lock, etc.

Technical specification:

Art No	LAB02025. 01	LAB02025. 02	LAB02025. 03	LAB0206
Model No.	TD4-4K	TD4-5K	TD4-6K	TD4S-4K
Max Speed	4000r/min	5000r/min	6000r/min	4000r/min
Max RCF	2680×g	4500×g	5800×g	2680×g
Timer Range	0-90min			
Power	80W	160W	220W	80W
Noise	<55dB(A)			
Angular Rotors for Option	6×20/15/10ml		6×20/15/10ml	6×15ml
	8×20/15/10ml		8×20/15/10ml	12×10ml
	12×20/15/10ml			
	18×10 ml			
	24×10 ml			



Air-Cooled Lower Speed Centrifuge

Art No: LAB02027

Feature:

Smaller volume, saving laboratory space. Innovative design, noise (Max speed) ≤57dB. Individual "Flash" button to achieve fast and convenient centrifugation. 7 kinds of angle rotor can be exchanged. The original acceleration and deceleration control suited to blood and cell gradient centrifugation. Automatic imbalance recognition system ensures the safety centrifuging. Effective centrifugal timing function, the countdown starts till gets set speed.

Using advanced and reliable Infineon control system, it can control the speed, time and RCF accurately. brushless frequency induction motor free of maintenance, wide range of speed 100-6,000rpm accuracy ±15rpm. The increment of RPM and RCF is 10rpm/10×g, time setting range is 1-99mins or 1-59seconds. Accuracy ±1 second. "Flash" button to achieve fast and convenient centrifugation.

Automatically save the last experimental data. The high-strength material of machine and rotor can resist a variety of chemical corrosion.

Large-size LED digital display show the operating parameters clearly.

Single-button rotation control, changed the parameters quickly. The machine includes the lid protection, overspeed protection, over-voltage over-current protection and imbalance detection system with sound alarm when operation finishes, also stops running the same time. LED display shows the error code.

Forced air cooling technology improve efficiency for the heat exchange, ensure the temperature-sensitive sample safety. Automatically open the lid after centrifuging, prevent the sample overheating and pick and place samples easily.

Technical data:	
Model	M400D
Input voltage	AC230V/50~60Hz
Input power[W]	420W
Max load capacity[ml]	400ml(50ml×8/100ml×4)
Speed range [r/min.]	100~6000/Speed increment 10rpm
Max RCF[×g]	5150/RCF increment 10×g
Centrifugation Time	1-99minutes / 1-59seconds; 2 modes selectable; accuracy ±1seconds
Drive motor	Brushless frequency induction motor with free of maintenance
Display show type	Highlight full segment LED display
The noise of The noise of Maximum speed (≈)	≤56dB(A)
Maximum acceleration[sec]	10
Maximum deceleration[sec]	15

Technical data:			
Order No.	Part No.	Configuration information	Remarks
M400D-15090	M400D	Machine	
M400D-15091	M400D-S-1	Rotor stand/Suitable for M400D-S-2~M400D-S-7 Basket	Standard
M400D-15092	M400D-S-2	Basket / 100ml×4 holes	Optional
M400D-15093	M400D-S-3	Basket / 50ml×4 holes	Optional
M400D-15094	M400D-S-4	Basket / 50ml×8 holes	Optional
M400D-15095	M400D-S-5	Basket/ 8/10ml×16 holes	Optional
M400D-15096	M400D-S-6	Basket / 15ml×16 holes	Optional
M400D-15097	M400D-S-7	Basket / 5ml×24 holes	Optional
M400D-15098	M400D-AP-8	Adapter 3ml×24pcs/ M400D-S-7	Standard
M400D-15099	M400D-S-9	Micro well plate 4×96/Deep well plate 2×96	Optional
M400D-150910	M400D-A-10	Angle rotor / 15ml×12 holes	Optional



H1850 Tabletop High Speed Centrifuge

Art No: LAB02028

Product description:

10 rotors and many kinds of adapters are available for H1850, 6x50ml(round/conical)are widely used among them. It has high speed rotor(18500rpm)and high capacity rotor(4x100ml).The special wind deflector can keep the sample in a good state,and the damping system can reduce noise(blow 60dB(A)).

Technical Parameters			
Model	H1850	Noise	≤60dB(A)
Max.speed	15000rpm	Wattage	450w
Max.RCF	21532xg	Dimension(WxDxH)	420x530x370mm
Max.Capacity	4x100ml	Package Dimension(WxDxH)	487x762x422mm
Speed Accuracy	±30rpm	Net Weight	48kg
Time setting range	1min to 99min59s		

Rotor Options:

 <p>Order No.: 805000 Max.Speed: 18500rpm Max. RCF: 23797xg Rotor Cap.: 12x1.5/2.2ml Adapter: 805004(0.5ml) 805005(0.2ml)</p>	 <p>Order No.: 806200 Max.Speed: 12000rpm Max. RCF: 13200xg Rotor Cap.: 8x15ml falcon Adapter: 806205(5ml)</p>	 <p>Order No.: 805300 Max.Speed: 12500rpm Max. RCF: 16060xg Rotor Cap.: 12x10/5ml Adapter: 805306(5ml)</p>
 <p>Order No.: 805400 Max.Speed: 11000rpm Max.RCF:12850xg Rotor Cap.: 6x50ml Adapter: 805405(30ml) 805406(20ml) 805408(10ml) 805409(5ml) 805410(1.5ml) 805412(25ml)</p>	 <p>Order No.: 805900 Max.Speed: 11000rpm Max.RCF: 12580xg Rotor Cap: 6x50ml falcon Adapter: 805915(15ml)</p>	 <p>Order No.: 805500 Max.Speed: 15000rpm Max.RCF:21532xg Rotor Cap.:24x1.5/2.2ml Adapter: 805005(0.2ml) 805004(0.5ml)</p>
 <p>Order No.: 807000 Max.Speed: 13000rpm Max.RCF: 16410xg Rotor Cap.:48x0.5ml</p>	 <p>Order No.: 805700 Max.Speed: 10000rpm Max.RCF: 10744xg Rotor Cap.:4x100ml</p>	 <p>Order No.: 852300 Max.Speed: 4000rpm Max.RCF: 2200xg Max.Cap.:2x2x96well</p>
 <p>Order No.: 852400 Max.Speed: 5000rpm Max.RCF: 3773xg Max.Cap.:4x100ml</p>	 <p>Order No.: 852410 Round bucket Cap.:4x100ml Adaptors: 852412(50ml falcon) 852414(50ml) 852411(15ml falcon) 852413(15ml)</p>	 <p>Order No.: 852351 microplate bucket Max.Cap.:2x2x96well</p>



LAB02029 High-Speed Refrigerated Centrifuge



LAB02030 High-Speed Centrifuge

Desktop structure, this machine adopts microcomputer control, free maintenance carbon brush AC frequency conversion motor driver. Quiet operation, high speed, precise, programmable operation; directly set the centrifugal force, make more accurate and scientific centrifugal data.

Widely used in: teaching, scientific research, and biochemical products, medical inspection, food safety, and agricultural product testing, animal husbandry and fishery detection, microbial, molecular chemistry, environmental protection, quality inspection, etc.

Features

- Microcomputer controls the centrifugal force, speed, centrifugal time, and LED displayed
- Touch keyboard to set parameters, have special centrifugal force set button
- Carbon brush AC frequency conversion motor drive, no maintenance
- Double door cover door lock system, the start is unlocked, ensure safety of operation
- Differential centrifugal*: 20 kinds of working procedures for choice, the user can freely program, call the working parameters of the set, to avoid repeated set, improve the working efficiency
- 15 kinds of Acceleration and deceleration choices. Users can set the speed according to the sample demand randomly
- With constant timing function; the point start instantaneous centrifugal
- Synchronous speed centrifugal force to set
- Double steel structure, stainless steel centrifugal cavity, to avoid erosion
- Automatic balance, voice signal, automatic imbalance recognition
- When the program is running, it can change parameters, no need to stop
- The fastest acceleration and deceleration time ≤ 15s(0.5mlx12 Angle rotor)
- Automatic rotor identification, speeding protection
- Fixed temperature start*: The rotor dormant when in refrigeration function; Automatic temperature compensation function ensure the sample in safety centrifugal temperature. Imported compressor.

NOTE: 1. *Differential centrifugal: The user shall provide the relevant centrifugal time, centrifugal force or speed;
2. *Fixed temperature start: For LAB02018 only

LAB02029				Angle rotor model	capacity	Max speed(rpm)	Max RCF(xg)
Max speed	18500rpm			H0.512	0.5mlx12	18500	16428
Max RCF	26019xg			H0212	1.5ml/2.2mlx12	18500	26019
Maximun capacity	10mlx12			H0224	1.5ml/2.2mlx24	14500	19980
Speed accuracy	±20rpm			H0512	5mlx12	14500	15631
Temperature range	-20℃~40℃			H1012	10mlx12	13000	17193
Temperature accuracy	±1℃			H0236	1.5ml/2.2mlx36	12000	13684
Timer range	1s~999 min/continuous/short spin			H0.548	0.5mlx48	12500	13625
Noise	≤60dB			H0.232	0.2mlx32	12000	10464
Power	220V 50Hz						
Weight	70kg						
Dimensions(LxWxH MM)	545x505x410						

LAB02030				Angle rotor model	capacity	Max speed(rpm)	Max RCF(xg)
Max speed	18500rpm			H0.512	0.5mlx12	18500	18366
Max RCF	26019xg			H0.524	0.5mlx24	18500	26019
Maximun capacity	10mlx12			H0212	1.5ml/2.2ml/12	18500	26019
Speed accuracy	±20rpm			H0224	1.5ml/2.2ml/24	14500	19980
Timer range	1s~999 min/continuous/short spin			H0512	5mlx12	16500	20240
Noise	60dB			H1012	10mlx12	12500	15896
Power	220V 50Hz						
Weight	30xg						
Dimensions(LxWxH MM)	330x390x325						

Low Speed Centrifuge

Art No: LAB02031

Product description:

This low speed centrifuge is suitable for extraction of medical products, blood bank, clinical trial and of blood serum, plasma, body fluids and biological specimen in biology laboratory.

Product Features:

1. LCD screen displays time and speed, convenient to set and read.
2. Three patterns: Short mix, timing set:30 to 59 seconds, continuous running. More efficient.
3. Sound alert after the rotor stops. LCD screen processing display.
4. Adjustable speed:300 - 4500 rpm, relative centrifugal force:2490×g. High accuracy of speed and time, excellent performance. More samples at one time with high efficiency.
5. Equipped with multiple rotors, large capacity rotor specially made with multiple options.
6. Applied with high-performance CPU control mode, high speed accuracy and excellent performance.
7. High safety, low noise. High strength plastic alloy rotor and excellent balance technology for quiet and stable operation
8. Double-level safety lid. Electronic lock is for safer and more reliable rotor operation.
9. DC brushless motor drive quickly and effortlessly accelerates the rotor to set speed, free of maintenance.
10. Timer commences once the set speed is reached, so the separation time is more accurate. Reasonable brake curve makes sure no mixing of sample. More efficient separation.



Art No.: LAB02031

Technical parameters	
Speed Range	300 ~ 4500rpm (increment: 100rpm)
Max. RCF	2490xg (increment: 100xg)
Speed Accuracy	±20rpm
Max. Sample Capacity	10ml/7ml/5mlx16, 15mlx12, 50mlx6
Time Range	30 ~ 59s or continuous
Safety	self-lock, over-speed, statue diagnosis system
Working Noise	≤56dB
Acceleration / Deceleration	around 20s
Other Functions	speed/RCF switch, touch operation, operating status display, alert
Voltage	AC100~230V, 50/60Hz
Power	120W
Dimension (WxDxH)	300 x 431 x 178mm
Net weight	6kgs

Micro-Plate Centrifuge

Art No: LAB02032

Product description:

This micro-plate centrifuge is a unique mini instantaneous centrifuge which is specially designed for the 96-hole micro plate. It can quickly spin down droplets and condensate. It is used before and after thermal cycling to improve PCR yield. Put the micro plate from the slots of the top vertically (leakage for liquid will be kept in the micro plate under the action of surface tension), the spin-down work is easily finished. Two operation modes humanly configured – short mix and time setting operations, make the experiment more convenient and efficient.

Product features:

1. Wide applicable range. It suit for skirted, semi-skirted, non-skirted and all standard PCR plates.
2. Strong centrifugal power. Accelerate to 2500rpm quickly. From top speed to stop cost around 10 seconds.
3. Using DC brushless motor. Free of maintenance. Working stable and quiet.
4. Humanized design. Two modes–pressing for operating and setting time for operating–make the experiments more convenient and efficient.
5. Smart size, simple operation. The cover can be fully opened to 95°, convenient to put and fetch the plates
6. Quickly spin down droplets and condensation. Used before and after thermal cycling to improve PCR yield.

Art No.: LAB02032

Technical Parameters	
Capacity	2 PCR Plates
Rotor Speed	2500 rpm
G Force	500 g
Rotor	Fixed Vertical
Dimensions	219 x 190 x 186 mm
Weight	3 KG
Voltage	AC100V-230V 50-60 Hz



Vortex Mixer

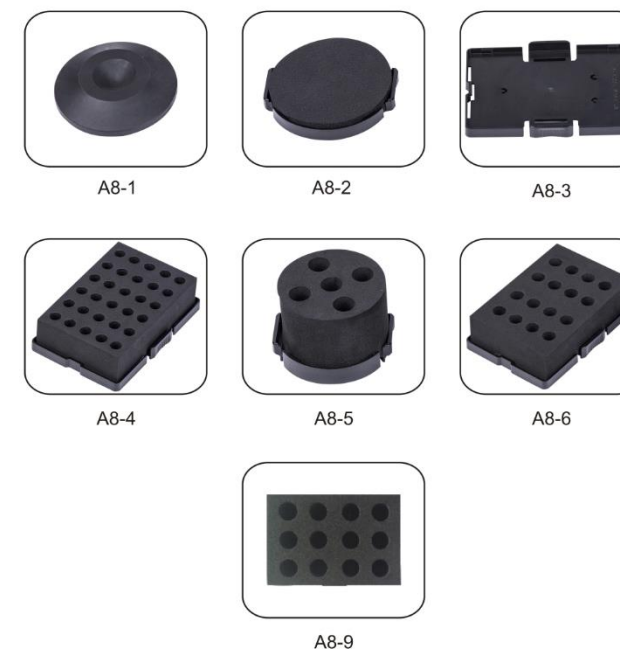
Art No: LAB02101

Performance and feature:

- Compact design, low center of gravity provides stable operation
- Use DC Brushless motor, long-life, low noise. The motor drives directly.
- Steplessly variable frequency
- All the fixtures the instrument can distinguish automatically, with automatic speed limit.
- Inching and consecutive operations, easy to switch.
- Centric balance piece designing, amplitude can be up to 4.5mm.
- Metal hull, reliable and strong.
- Timing function, also can be countdown and digital display.
- Digital display of the set speed and running speed.

Specification:

Model	LAB02101
Oscillation Mode	Circumferential
Turnaround diameter	4.5mm
Speed range	200-3000rpm / min, stepless speed regulating
Voltage	100~240V
Maximum load	1.5kg
Timing function	1s - 999min
Speed setting and display	0-3000rpm, Real-time digital display of speed and time
Motor output power	15W
Dimension(mm)	210x150x69
Weight	4kg
Protection class	IP 21



Configuration information:

Part No.	Specification	Remarks
A8-1	Plate for the tube and small container of which the diameter no more than 50mm. Slot structure to prevent from sliding when running.	Standard
A8-2	Plate for the flask of which the diameter no more than 85mm.	Standard
A8-3	ELISA plate fixture.	Standard
A8-4	Oscillation diameter 10mm, 30 holes(tubes)	Standard
A8-5	Oscillation diameter 17mm, 5 holes(tubes)	Standard
A8-6	Oscillation diameter 12-13mm, 16 holes(tubes)	Standard
A8-7	Oscillation diameter 15mm, 12 holes(tubes)	Optional
A8-8	PCR 0.2ml tube x 8 or 0.2ml tube PCR96 plate	Optional
A8-9	Oscillation diameter 17mm, 12 holes(tubes)	Optional
A8-10	Oscillation diameter 50mm, 2 holes cone/round bottom	Optional
A8-11	Oscillation diameter 25mm, 4 holes(penicillin plate)	Optional



Vortex Mixer
 Art No.: LAB02102
 Power: 50W
 Rotation speed: 2800 rpm
 Working method: Continuous, touch and speed regulation
 Plate: Exchangable between bowl type and fiat type
 Overall dimensions: 170×120×170mm



Vortex Mixer
 Art No.: LAB02103
 Blending speed: 2800 rpm
 Working method: Vibrating and continuous
 Power: 30W
 Overall dimensions: 150x105x115mm
 Weight: 3kg



Vortex Mixer
 Art No.: LAB02104
 Power: 40W
 Rotation speed: 3000 rpm
 Operation mode: Touch / continuous
 Plate: 55 mm rubber



Vortex Mixer
 Art No.: LAB02105
 Power: 40W
 Rotation speed: 3000 rpm
 Operation mode: Continuous, Touch and Stepless speed regulation
 Plate: 55 mm rubber



Vortex Mixer
 Art No.: LAB02106
 Characteristics:
 1. Suitable for touching or continuous operation.
 2. With wide speed range: 0-2500rpm, stepless speed regulation of motor.
 3. Power: 60W
 4. Size: 127x130x160mm



Vortex Mixer XH-B
 Art No: LAB03001
 Speed: 2600 rpm
 Running mode: Constant
 Power rating: 12W
 Plate size: ϕ 100mm



Vortex Mixer XH-C
 Art No: LAB03002
 Power rating: 12W
 Speed: 2600 rpm
 Running mode: Constant, Inching
 Size: 105mm diameterx142mm height



Vortex Mixer XH-D
 Art No: LAB03003
 Power rating: 12W
 Working method: Constant, Inching
 Speed: 2600 r/m
 Size: 170x120x170mm



Oscillator KJ-201BD
 Art No: LAB03004
 Speed: 20-210 r/m
 Power rating: 10W
 Off-center rotary diameter: 22mm
 Working plate size: 315x218mm
 Working method: Continuous/Timing
 Timing range: 0-15min/0-60min



Oscillator KJ-201BS
 Art No: LAB03005
 Speed: 20-210 r/m
 Power rating: 10W
 Off-center rotary diameter: 22mm
 Working plate size: 224x152mm
 Working method: Continuous/Timing
 Timing range: 0-15min/0-60min



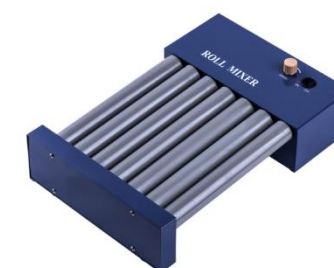
HY-4 Multi-Function Oscillator
 Art No: LAB03008
 HY-4 Multi-Function Oscillator
 Working Style: Reciprocating
 Oscillation Diameter: 22mm
 Oscillation Speed: 0-300rpm
 Timing Range: 0-120min
 Working Dimension: 43x26cm



Roller Mixer, Digital Display
 Art No: LAB03013.01
 Speed and time clearly displayed by LED.
 Main Technical Data:
 Roller quantity: 7
 Speed swing: 20-100 times/min
 Rolling: 20-100 r/min
 Swing amplitude: 22±1mm
 Timing range: 0-999min
 Running mode: Timing/continuous
 Power rating: 10W



Oscillator KJ-201C
 Art No: LAB03006
 Power rating: 10W
 Oscillating frequency: 200-2800 r/m
 Working plate size: 278x270mm
 single plate 128x86mm, 6pcs
 Timing range: 0-15min



Roller Mixer
 Art No: LAB03012.01
 The instrument is used for complete mixing of blood, powder reagents, etc. in the anticoagulation tubes or vials.
 Main Technical Data:
 Roller quantity: 7
 Speed: Swing: 20-80 times/min
 Rolling: 20-80 r/m
 Swing amplitude: 22±1mm
 Power rating: 10W



Roller Mixer, Digital Display
 Art No: LAB03013.02
 Speed and time clearly displayed by LED.
 Main Technical Data:
 Roller quantity: 7
 Speed swing: 20-100 times/min
 Rolling: 20-100 r/min
 Swing amplitude: 22±1mm
 Timing range: 0-999min
 Running mode: Timing/continuous
 Power rating: 10W
 Made of plastic.



HY-5 Multi-Function Oscillator, Digital
 Art No: LAB03007
 Working style: Cycling
 Oscillating diameter: 20mm
 Oscillating speed: 0-360rpm
 Timing range: 0-120min
 Working size: 45x35cm



Roller Mixer
 Art No: LAB03012.02
 The instrument is used for complete mixing of blood, powder reagents, etc. in the anticoagulation tubes or vials.
 Main Technical Data:
 Roller quantity: 7
 Speed: Swing: 20-80 times/min
 Rolling: 20-80 r/m
 Swing amplitude: 22±1mm
 Power rating: 10W
 Made of plastic.



Rocking Mixer
 Art No: LAB03014
 It's a machine which swings up and down with little swing amplitude. Frequency adjustable.
 Main Technical Data:
 Rocking Speed: 15r/m
 Rocking angle: ±25°
 Working plate size: 252x170mm
 Power rating: 6W

Micro-Plate Shaker

Art No: LAB03022

Product description:

Micro plate shaker is mainly applied in solution mixing and shaking with PCR plate (96-holes/384-holes), cell culture plate (24-holes/48-holes/96-holes etc.) for immunoassay and dyeing experiments. It is safe used in low temperature environment or low temperature incubator. It is designed compact with simple and convenient operation. It uses DC brushless motor, safe, stable and no noise.

Product features:

1. LED digital display. Simple and easy operation designed panel. Display time and speed accurately.
2. Microprocessor controls speed and time, safe, stable, no noise.
3. Accommodate 4 standard PCR plates or micro plates, mixing trace amount of sample efficiently.
4. DC brushless motor, long life and free of maintenance. Provide both gentle and powerful shaking.
5. Provide timing function. Alarm notification when program completes.



Art No.: LAB03022

Technical Parameters	
Speed Range	300-1500rpm
Shaking Speed Range	300-1500 rpm/min – Standard
	300-1000 rpm/min – Deepwell with full load
Timer	99h59min
Orbit	3mm (horizontal)
Dimensions	284x264x121mm
Weight	6KG

Orbital Shaker GS Series

Art No: LAB03023

Product description:

GS series orbital shaker is compact and amazingly designed. It is used for any mixing applications in different industries. Built with DC brushless motor, adopted micro-computer control technology, the orbital shaker is easy to operate. Gentle shaking, it is applied in different laboratories of molecular biology, microbiology, immunology, chemistry, etc. It is low-energy, safe, stable and no noise.

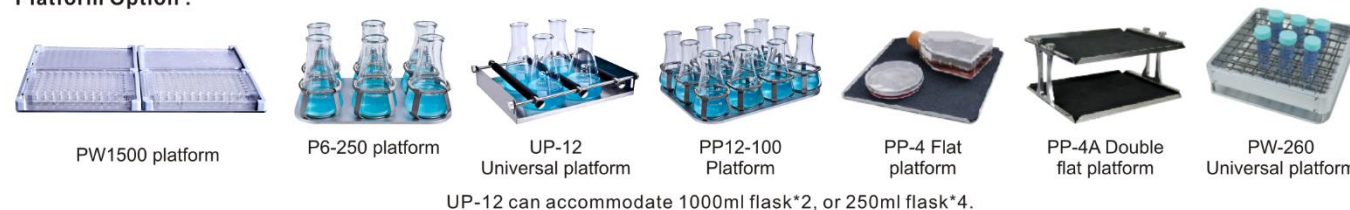
Product features:

1. Speed adjustable. Gentle shaking, applied in different industries.
2. LED display time and speed.
3. Compact and clean designed, streamlined fuselage, simple operation, convenient for cleaning.
4. Timing function. Beep alarm when operation ends.
5. DC brushless motor, safe, long life and free of maintenance. Operating silent and stable.
6. Different platforms to adapt different conical flasks and other sample containers for optional choices.



Order No.	GS-10 Orbital Shaker	GS-20 Orbital Shaker	GS-30 Orbital Shaker
Speed Range	50-350 rpm	50-300 rpm	50-250 rpm
Orbit	10mm	20mm	30mm
Timing Range	1min~99h59min		
Max. Loading Capacity	2.0kgs		
Operating Condition Temp.	4 ~45°C		
Dimensions	284 x 264 x 108 mm		
Voltage	AC 100 ~230V		

Platform Option :



Incubator Shaker ES-60

Incubator Shaker ES-60+

Incubator shaker ES-60C

ES-60 Series Incubator Shaker

Art No: LAB03024

Product description:

The incubator shaker ES-60 series is temperature controlled biochemical instrument with incubation and shaking functions. It is widely used in cell culture, fermentation, hybridization, biochemistry, research of enzyme and cell tissue, etc. which requires higher quality of temperature controlling and shaking speed. It can dynamically and statically cultivate microbial cell and all kinds of strains.

Product features:

1. Integrated incubator and shaker. Save laboratory space.
2. Rational and compact design, good temperature uniformity, low noise.
3. Micro-processor controls temperature and shaking speed. Timing function built in.
4. Design of Human-machine interface and operation panel. Cover can be wide-angle opened, convenient to watch and fetch the sample.
5. Built-in cover switch. When the cover is open, air circulation, heating and shaking will automatically stop. No temperature overshoot problem.
6. Unique speed control circuit to ensure shaker smooth starting and avoid liquid spilling.
7. Speed of the circulation fan is adjustable to avoid high-speed of the circulation fan making the sample volatilizing.
8. Independent temperature alarm system. Heating is cut off when temperature over the limited value.
9. Alarm when program completes.
10. Brushless DC motor, long life and maintenance free.

Technical Parameters

Order No.	ES-60	ES-60+	ES-60E	ES-60C
Temperature Control Range	R.T.+5~60°C			R. T. +4~60°C
Temperature Display Accuracy	0.1°C			
Temperature Control	≤ ±0.3°C			
Timing Range	0~99h59min			
Shaking Speed	50~300 rpm		300~1200 rpm	50~300 rpm
Orbit	20mm (horizontal)		2mm (horizontal)	20mm (horizontal)
Power Supply	AC110V/220V	AC110V/220V	AC110V/220V	AC110V/220V
	500W	700W	500W	700W
Dimension	420x360x320mm	660x610x440mm	420x360x320mm	385x545x320mm
Optional Platform	Refer to "Platform Option"	Standard pallet PW-420 (410x420x65mm)	Standard pallet PW-1500 (280x214x13mm)	Refer to "Platform Option"

Platform Option :



Micro-Plate Shaker

Art No: LAB03022

Product description:

Micro plate shaker is mainly applied in solution mixing and shaking with PCR plate (96-holes/384-holes), cell culture plate (24-holes/48-holes/96-holes etc.) for immunoassay and dyeing experiments. It is safe used in low temperature environment or low temperature incubator. It is designed compact with simple and convenient operation. It uses DC brushless motor, safe, stable and no noise.

Product features:

1. LED digital display. Simple and easy operation designed panel. Display time and speed accurately.
2. Microprocessor controls speed and time, safe, stable, no noise.
3. Accommodate 4 standard PCR plates or micro plates, mixing trace amount of sample efficiently.
4. DC brushless motor, long life and free of maintenance. Provide both gentle and powerful shaking.
5. Provide timing function. Alarm notification when program completes.



Art No.: LAB03022

Technical Parameters	
Speed Range	300-1500rpm
Shaking Speed Range	300-1500 rpm/min – Standard
	300-1000 rpm/min – Deepwell with full load
Timer	99h59min
Orbit	3mm (horizontal)
Dimensions	284x264x121mm
Weight	6KG

Orbital Shaker GS Series

Art No: LAB03023

Product description:

GS series orbital shaker is compact and amazingly designed. It is used for any mixing applications in different industries. Built with DC brushless motor, adopted micro-computer control technology, the orbital shaker is easy to operate. Gentle shaking, it is applied in different laboratories of molecular biology, microbiology, immunology, chemistry, etc. It is low-energy, safe, stable and no noise.

Product features:

1. Speed adjustable. Gentle shaking, applied in different industries.
2. LED display time and speed.
3. Compact and clean designed, streamlined fuselage, simple operation, convenient for cleaning.
4. Timing function. Beep alarm when operation ends.
5. DC brushless motor, safe, long life and free of maintenance. Operating silent and stable.
6. Different platforms to adapt different conical flasks and other sample containers for optional choices.



Order No.	GS-10 Orbital Shaker	GS-20 Orbital Shaker	GS-30 Orbital Shaker
Speed Range	50-350 rpm	50-300 rpm	50-250 rpm
Orbit	10mm	20mm	30mm
Timing Range	1min~99h59min		
Max. Loading Capacity	2.0kgs		
Operating Condition Temp.	4~45°C		
Dimensions	284 x 264 x 108 mm		
Voltage	AC 100 ~230V		

Platform Option :



Incubator Shaker ES-60

Incubator Shaker ES-60+

Incubator shaker ES-60C

ES-60 Series Incubator Shaker

Art No: LAB03024

Product description:

The incubator shaker ES-60 series is temperature controlled biochemical instrument with incubation and shaking functions. It is widely used in cell culture, fermentation, hybridization, biochemistry, research of enzyme and cell tissue, etc. which requires higher quality of temperature controlling and shaking speed. It can dynamically and statically cultivate microbial cell and all kinds of strains.

Product features:

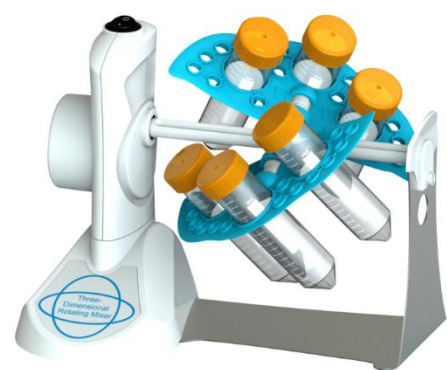
1. Integrated incubator and shaker. Save laboratory space.
2. Rational and compact design, good temperature uniformity, low noise.
3. Micro-processor controls temperature and shaking speed. Timing function built in.
4. Design of Human-machine interface and operation panel. Cover can be wide-angle opened, convenient to watch and fetch the sample.
5. Built-in cover switch. When the cover is open, air circulation, heating and shaking will automatically stop. No temperature overshoot problem.
6. Unique speed control circuit to ensure shaker smooth starting and avoid liquid spilling.
7. Speed of the circulation fan is adjustable to avoid high-speed of the circulation fan making the sample volatilizing.
8. Independent temperature alarm system. Heating is cut off when temperature over the limited value.
9. Alarm when program completes.
10. Brushless DC motor, long life and maintenance free.

Technical Parameters

Order No.	ES-60	ES-60+	ES-60E	ES-60C
Temperature Control Range	R.T.+5~60°C			R. T. +4~60°C
Temperature Display Accuracy	0.1°C			
Temperature Control	≤ ±0.3°C			
Timing Range	0~99h59min			
Shaking Speed	50~300 rpm		300~1200 rpm	50~300 rpm
Orbit	20mm (horizontal)		2mm (horizontal)	20mm (horizontal)
Power Supply	AC110V/220V	AC110V/220V	AC110V/220V	AC110V/220V
	500W	700W	500W	700W
Dimension	420x360x320mm	660x610x440mm	420x360x320mm	385x545x320mm
Optional Platform	Refer to "Platform Option"	Standard pallet PW-420 (410x420x65mm)	Standard pallet PW-1500 (280x214x13mm)	Refer to "Platform Option"

Platform Option :





Three-Dimensional Rotating Mixer RH-18 Series

Art No: LAB03031

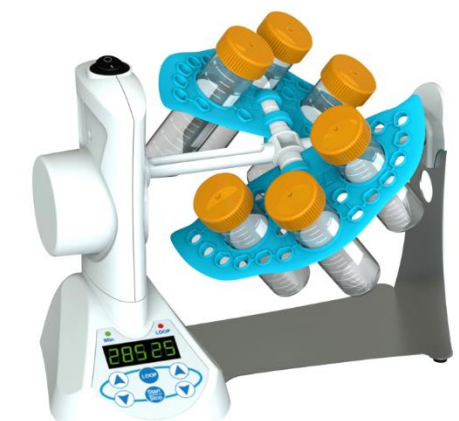
Product description:

This new series of three-dimensional rotating mixer is a uniquely designed instrument which can mix samples by horizontal, vertical or any angled rotation with a variety of sample tubes. Adjusting the rotating frame (tube holder) can make the products either horizontally or vertically or between the angles of horizon and verticality to rotate. It is widely used in molecular hybridization, blood and various samples requiring mixing. Its rotation speed is moderate. In addition, the two rotating frames (tube holder) on each side of the rotating roller can be adjusted individually to meet different hybrid modes in one mixture. The 3D rotating mixer is compact, light and convenient. It is easily moved to different places, such as to a test-bed, a refrigerator or an incubator. The shell and rotating panel of this instrument adopt a special design. It's very easy to clean and decontaminate.

Product features:

1. Unique combination of adjustable rotating frames.
2. A variety of rotation modes, from mild type to somersault type rotation modes.
3. RH-18+ : with reciprocating oscillation function from 20° angle to 99° angle.
4. RH-18: positive and negative rotation just gently press the rotating frame when instrument is working.
5. Widely used in molecular biology, histo-chemistry, bio-chemistry, clinical applications, etc.
6. Provide three types of rotating frames.

Technical Parameters		
Order No.	LAB03031. 01	LAB03031. 02
Rotating speed	18r/min	10-40r/min
Time range	/	1s-999min
Reciprocating Oscillation Range	/	20° ~99° angle
Power	4w	
Weight	1kg	1.2kg
Power supply	220V/110V	AC100-230V
Dimension	240x145x210mm	



Optional tube holder frames

Option	Quantity	Description
A	2 pieces	5 centrifuge tubes of 10ml /15 ml (φ 15mm-φ 16mm)+6 centrifuge tubes of 5ml /7 ml (φ 12mm-φ 13mm)
B	2 pieces	3 centrifuge tubes of 50ml + 18 centrifuge tubes of 0.5ml
C	2 pieces	18 centrifuge tubes of 1.5ml / 2.0ml

Vertical Rotating Mixer

Art No: LAB03032

Product features:

1. Smart appearance, solid structure, simple operation. LED display of time and speed.
2. DC brushless motor, stable performance, low noise and long using life.
3. 360° vertical circulation rotation, operating smooth and steady.
4. Different tube holder frames for option to suit different types of tubes.

Technical Parameters	
Voltage	100-240VAC 50/60Hz
Motor Input Power	16W
Motor Output Power	10W
Speed Range	0-80rpm
Motor Pattern	Circling Motion
Dimension (LxWxH)	470 x 190 x 160mm
Net Weight	2.8kgs

Optional tube holder frames

Type	Description
MV80-A	1.5ml x 64
MV80-B	15ml x 22
MV80-C	50ml x 16



Large LCD shows all parameters

Magic Programmable Mixer

Art No: LAB03033

Features:

- 360° vertical rotating- for large particles long wavelength mixing
- Swinging for culture medium and large particles medium wavelength mixing
- Oscillating for small particles short wavelength mixing
- Tube holders assembled discretionarily
- Large LCD shows all the parameters.
- 2 additional custom programs (6 segments /program) can be created easily
- 10 different programs for rotation and mixing. 360° rotation and 0-360° discretionary mixing angle is available.
- Adjustable speed and time for effective mixing
- Acceptable tubes from 0.2ml to 50ml
- Cold room and incubator compatible

Adapter	DC12V,1000MA
Rotation speed	1-99RPM
Environment temperature	+4-65°C
Relative air humidity (at 20°C)%	up to 80

This Magic Programmable Mixer is a combination of variable speed rotator, and advanced multiple tube vortex in one machine , it accepts tubes from 0.2ml to 50ml ,all kinds of tube holders can be assembled discretionarily in one rack.

Order information

Order No.	Code No.	Rack No.	Specification
8011252	TMM-5L	/	420mm long Magic Mixer with standard rack (D10-12.5mm tube x 20,D16-16.5mm tube x 8,D29-29.5mm tube x 2)
Optional Racks for 8011252	/	8011252-1	Rack for diameter 10-12.5mm tube x 36
		8011252-2	Rack for diameter 16-16.5mm tube x 22
		8011252-3	Rack for diameter 29-29.5mm tube x 12
		8011252-4	Rack for diameter 16-16.5mm tube x 12
		8011252-5	Rack for diameter 29-29.5mm tube x 12
8011253	TMM-5M	/	344mm long Magic Mixer with standard rack (D10-12.5mm tube x 12,D16-16.5mm tube x 2,D29-29.5mm tube x 2)
Optional Racks for 8011253	/	8011253-1	Rack for diameter 10-12.5mm tube x 24
		8011253-2	Rack for diameter 16-16.5mm tube x 14
		8011253-3	Rack for diameter 29-29.5mm tube x 8
		8011253-4	Rack for diameter 16-16.5mm tube x 6
		8011253-5	Rack for diameter 29-29.5mm tube x 6
8011254	TMM-5S	/	316mm length Magic Mixer with standard rack (D10-12.5mm tube x 8,D16-16.5mm tube x 2,D29-29.5mm tube x 2)
Optional Racks for 8011254	/	8011254-1	Rack for diameter 10-12.5mm tube x 20
		8011254-2	Rack for diameter 16-16.5mm tube x 10
		8011254-3	Rack for diameter 29-29.5mm tube x 6
		8011254-4	Rack for diameter 16-16.5mm tube x 6
		8011254-5	Rack for diameter 29-29.5mm tube x 6
8011255	TMM-PL	/	Mixer 420x125x168 with Platform(267x154)
8011256	TMM-PM	/	Mixer 344x125x168 with Platform(169x154)
8011257	TMM-PS	/	Mixer 316x125x168 with Platform(139x154)





Decolorising Shaker

Art No: LAB03034

Decolorising Shaker:

This Decolorising Shaker swings up and down with little swing amplitude. Frequency adjustable. It's used for fixing of running gel spectral band, rocking of Coomassie blue and decolorization and fixing of silver nitrate staining, etc. It's used for development and fixation of X-ray film, further treatment of cellulose membrane after electrophoretic migration, molecular hybridization, cell culture and blood mixing.

Technical Data:

Rocking speed: 0-25 rpm
Rocking angle: ±25°
Working plate size: 250×200mm

Feature:

Rocking angle adjustable
Speed adjustable
Time setting

3D Gyrotory Rocker

Art No: LAB03035

Product description:

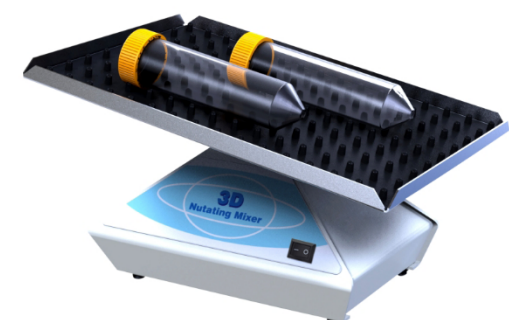
This type is an economical 3D gyrotory rocker with perfect 3-dimensional motion for gentle but thorough mixing. It is an ideal choice for small sample mixing. It suits for blood collection tube and centrifuge tube, applies for all blot related applications such as gel staining and destaining. The concave pad can firmly keep the tubes. and is safe for use in cold rooms and incubators. Tube Capacity: 60x1.5ml, 30x3ml, 21x7ml, 17x15ml.

Product features:

1. Gentle but thorough mixing
2. Suits for blood collection tubes and centrifuge tubes
3. Tilt angle and speed have been optimally set
4. Safe for use in cold rooms and incubators

Technical Parameters

Speed	20rpm (fixed)
Tilt Angle	3-D / 20° (fixed)
Max. Load	0.8kg
Dimension	240×170×150mm
Net Weight	0.88 kg
Power	110V/220V



Roller Mixer LSM-80 Series

Art No: LAB03036

Product description:

This tube roller LSM-80/LSM-80D is widely used in mixing blood sample, sticky substance and Solid-liquid suspension, etc. It provides two operation modes – rolling and swinging to improve mixing efficiency and safety. It is applied in preventing blood clotting, immunoprecipitation, and other similar using.

Product features:

1. Compact and firm design, simple operation, LED display of time and speed.
2. Two types choosable – rolling type, rolling & swinging type. Continuous working mode, safe and stable.
3. With stable performance motor, operation speed adjustable, max. speed to 80rpm. Low noise, long using life.
4. Compatible with different sizes of tubes. Large range of application.



Technical Parameters

Order No.	LAB03036.01	LAB03036.02
Operation Mode	Rolling & swinging	Rolling
Amplitude	24mm	/
Max. Capacity	4kgs	
Roller Quantity	6	
Motor	Brushless DC motor	
Speed Unit	1rpm	
Roller Length	280mm	
Speed Range	10-80rpm	
Dimension (DxWxH)	450 x 260 x 120mm	
Net Weight	4.5kg	
Voltage	AC100-240 50-60HZ	
Power	25W	



Colonometer J-2

Art No: LAB04001

Input power: 20W
Magnification: 3x~9x
Range of the counter: 0-999
Counting plate: 115mm diameter
For petri dish: diameter 50-100mm



Magnetic Stirrer with Hotplate 78-1

Art No: LAB05002

Speed: 0-2400rpm
Heating power: 200W
Plate: 12.5cm diameter
Working plate: 125mm diameter



Ultra-flat Compact Magnetic Stirrer

Art No.: LAB05005

Features:

1. Automatic reverse rotation for excellent mixing
2. Protection class IP 65
3. PET top provides excellent chemical resistance
4. Ultra silence and vibration free.
5. Working plate: dia 90mm, PET material
6. Power: 5w
7. Max stirring quantity(H₂O): 0.8L
8. Speed range: 15 to 1500rpm



Colonometer J-3

Art No: LAB04002

Input power: 40W
Magnification: 3x~9x
Range of the counter: 0-999
Counting plate: 155mm diameter
For petri dish: diameter 50-150mm



Magnetic Stirrer with Hotplate 79-1

Art No: LAB05003

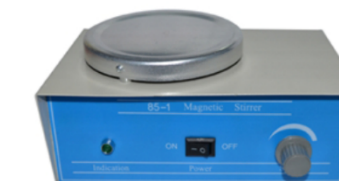
Speed: 0-2400rpm
Heating power: 300W
Working plate: 125mm diameter



Magnetic Stirrer with Hotplate SH-2

Art No: LAB05006

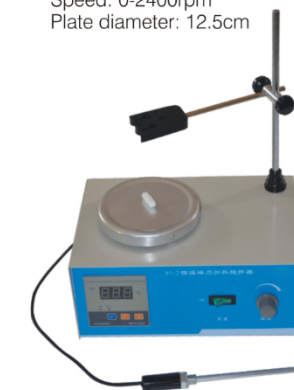
Heating Power: 180W
Motor power: 10W
Stirring speed: 0-1600 r/m
Hot plate size: 118x118mm
Stirring capacity: 2000ml
Max temperature: 380°C



Magnetic Stirrer 85-1

Art No: LAB05001

Speed: 0-2400rpm
Plate diameter: 12.5cm



Magnetic Stirrer with Hotplate 85-2

Art No: LAB05004

Speed: 0-2400rpm
Heating power: 300W
Temperature: 0-100°C
Working plate: 125mm diameter



Magnetic Stirrer with Hotplate SH-3

Art No: LAB05007

Heating Power: 500W
Motor power: 20W
Stirring speed: 0-1600 r/m
Hot plate size: 170x170mm
Stirring capacity: 5000ml
Max temperature: 380°C

Magnetic Stirrer with Hotplate

Art No: LAB5008

	LAB05008.01	LAB05008.02	LAB05008.03
Stirring volume	0-2000ml		
Stirring speed	0-1250rpm		
Hot plate size	135x135mm		
Temperature	/	0-300°C	0-400°C
Timer	999min		
Dimension	230x180x120mm		



Magnetic Stirrer

Art No: LAB05009A/B/C

Type	LAB05009A	LAB05009B	LAB05009C
Rotation speed(rpm)	100-1200	100-1200	100-1200
Maxim agitation capacity	6L	6L	5L
Heating temp	Room temp 0-300°C	Room temp 0-199°C	
Protection temp	350°C	220°C	No
Temp control mode	Electronic	Digital	
Precision of temp Control		± 2°C	
External PT-100 sensor	No	Yes	No
Forward and backward rotation	No	No	No
Diameter of plate	150mm	150mm	150mm
Maximum heating power	350W	350W	35W
Power	220V/50Hz	220V/50Hz	220V/50Hz
Dimension	198x225x115	198x225x115	198x225x115
Weight	2.4kg	2.4kg	2.0kg



Ceramic Magnetic Stirrer SH-4 Series

Art No: LAB05010

Characteristics:

1. Stretched shell and cover to prevent leaking.
2. Heating and stirring can be used simultaneously with uniform temperature
3. Heating power and stirring speed steplessly adjustable, max. temperature up to 380 degree, max. speed up to 2000 r.p.m.

Digital Ceramic Magnetic Stirrer with the following function:
SH-4C Model

1. Temperature setting accurately and stirring speed steplessly adjustable.
2. Large screen LCD display with backlight, real temperature and speed displayed on the screen simultaneously.
3. Two sensors: outside PT100 sensor controls the liquid temperature with high precision, inside K type sensor controls the hot plate temperature.

SH-II-4C Model

1. Setting rotational speed precisely and stirring speed is steplessly adjustable. This instrument with speed switch can start and stop stirring at any time.
2. Timing function(0-9999min) with audible and visual alarm.
3. Two sensors: outside PT100 sensor controls precisely the temperature of heated liquid,inside K sensor controls the hot plate temperature.
4. One key to shift inside and outside sensor, easy to operate and control precisely.
5. Large screen LCD display can indicate temperature, rotational speed and timing at the same time.

Main parameters

Order Model No	Voltage (V)	Power(W)	Speed (r.p.m)	Plate Size (mm)	Max. Volume (ml)	Max. Temp. (plate surface)	Timing
SH-4B	220/110	-	100~2000	190×190	5000	-	-
SH-4		600				380	-
SH-4C		600				380	-
SH-II-4C		600				380	0-9999min

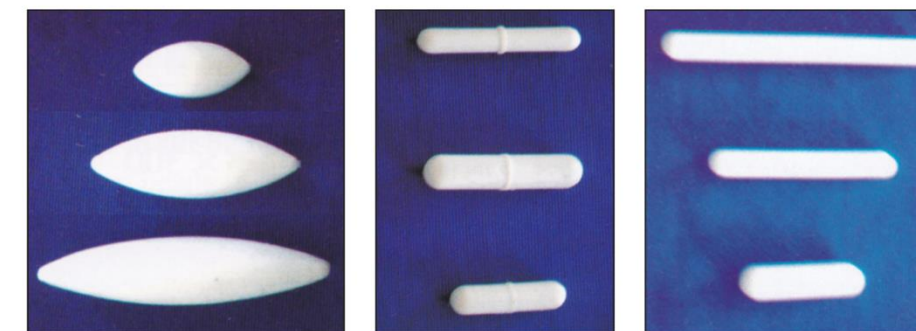


Electric Stirrer JJ-1A

Art No: LAB05012

Timer: 120 minutes
Stirring Speed: 0~3000rpm

Art No: LAB05012.01	Power: 25W
Art No: LAB05012.02	Power: 40W
Art No: LAB05012.03	Power: 60W
Art No: LAB05012.04	Power: 80W
Art No: LAB05012.05	Power: 100W
Art No: LAB05012.06	Power: 150W
Art No: LAB05012.07	Power: 200W
Art No: LAB05012.08	Power: 300W



Stir Bar Egg-shaped

Art No: LAB05013.01	L15 x 7
Art No: LAB05013.02	L20 x 8
Art No: LAB05013.03	L30 x 13
Art No: LAB05013.04	L40 x 15
Art No: LAB05013.05	L50 x 20

Bar Octagon, With Pivot Ring

Art No: LAB05014.01	B15 x 7.5
Art No: LAB05014.02	B25 x 8
Art No: LAB05014.03	B35 x 9
Art No: LAB05014.04	B40 x 8
Art No: LAB05014.05	B48.5 x 10

Magnetic Stir Rod, Cylindrical

Art No: LAB05015.01	Z3 x 12
Art No: LAB05015.02	Z25 x 8
Art No: LAB05015.03	Z40 x 8
Art No: LAB05015.04	Z70 x 9
Art No: LAB05015.05	Z50 x 12

Hand Held Homogenizer

Art No: LAB05016

Product description:

This homogenizer is a smart hand held instrument for fast tissue homogenization, separation and emulsification. With different dispersing heads, it is appropriate for 0.5~250ml liquid sample, maximum speed is up to 35000rpm. It is applied in various fields such as bio-pharmaceuticals, gene research, clinicopathologic analysis, emulsions, nanometer materials scattering, polymerization reaction, cosmetics, ink&paint, fine chemical engineering, pesticide, environmental protection, energy sources, etc.

Product Features:

1. Designed smart and light, can be operated by one hand.
2. Speed adjustable, digital display of speed. Precisely controlled to avoid splashing.
3. Suitable for homogeneous dispersion of a small amount of sample in small container.
4. High quality stainless steel dispersing head, anti-corrosion, high temperature resistance for disinfecting.
5. Easy to take off the dispersing head for cleaning.
6. High speed and high efficiency motor, long life.
7. Optional H-type stand, height and angle can be adjusted, convenient to take and store.



Technical Parameters

Art No.	LAB05016
Power Supply	230V / 110V / 50 / 60HZ
Power (Input / Output)	160W / 110W
Rotor Line Speed	6.3-14m/sec
Net Weight	0.7kg
Noise	72dB(A)
Speed Control Range	8000-35000rpm (digital display)
Dimension	46mm*55mm*230mm

Optional Accessories

Head Type	Handling Capacity	Stator diameter	Rotor diameter	Gap between stator and rotor	Min./Max. Dipping Depth	Length of Head	Material
A	0.5-50ml	6mm	3.9mm	0.1mm	20/90mm	150mm	316L stainless steel
B	1-100ml	8mm	6.1mm	0.3mm	20/107mm	167mm	
C	1-250ml	10mm	7.9mm	0.3mm	20/120mm	180mm	
D	H-type stand to keep the hand held homogenizer, height and angle adjustable						



Digital Magnetic Stirrer TP Series

Art No: LAB05017

Product description:

This digital magnetic stirrer has hot plate made of special Ceramics. With special heating technique, the heating plate can reach temperature up to 340°C. Humanized design for convenient operation to meet various heating and stirring experimental needs.

Product features:

1. Metal plate shell, firm and durable, with thermostability and anti-corrosion.
2. The heating plate can reach temperature up to 340°C.
3. PID for temperature control. Two display windows. High precision measurement. Single button operation. Inner and outer PT1000 for thermometry.
4. Available for heating and stirring standard/non-standard reaction flasks from 50ml to 1000ml.
5. DC brushless motor makes stable operation, low noise, long using life and no spark.
6. The heating plate is made of special Ceramics, beautiful, antiseptic and easy to clean.
7. The control panel designed 30° slopes for convenient operation.
8. Magnetic stirring technology. Low speed but stable, high speed but powerful.

Technical Parameters

Order No	TP-350	TP-350S	TP-000S	TP-001S	TP-350E
Platform Size	Φ137mm	Φ137mm	Φ137mm	154x163mm	Φ137mm
Platform Material	enamel	enamel	stainless steel	silicone pad	enamel
Speed Range	/	100~1800rpm	100~1800rpm	300~1200rpm	0~1800rpm
Temp. Control Range(surface)	R.T.+5°C ~340°C	R.T.+5°C ~340°C	/	/	R.T.+5°C ~340°C
Temp. Setting Range(surface)	30°C~340°C	30°C~340°C	/	/	30°C~340°C
Temp. Stability	±3°C	±3°C	/	/	±3°C
Time Range	1min ~99h59min	continuous	1min ~99h59min	continuous	continuous
Stirring Point Quantity	/	1 point	1 point	1 point	1 point
Max. Stir Capacity (H2O)	/	20L	20L	100L	20L
Max. Size of Stirrer Stick	/	80mm	80mm	80mm	80mm
External Interface Temp. Sensor	Pt1000	Pt1000	/	/	/
Adjustable Safety Loop Min. Temp	50°C	50°C	/	/	50°C
Adjustable Safety Loop Max. Temp	350°C	350°C	/	/	350°C
Voltage	AC 220V/ AC 110V, 50/60Hz	AC 220V/ AC 110V, 50/60Hz	Ac100 ~230V, 50/60Hz	Ac100 ~230V, 50/60Hz	AC 220V/ AC 110V, 50/60Hz
Power	600W	600W	30W	30W	60W
Fuse	250V, 4A/8A, Φ5x20	250V, 4A/8A, Φ5x20	250V, 1A, Φ5x20	250V, 1A, Φ5x20	250V, 4A/8A, Φ5x2
Dimension (WxDxH)	156 x 270 x 70mm	156 x 270 x 70mm	156 x 270 x 70mm	156 x 270 x 70mm	156 x 270 x 70mm
Net Weight	2.2kgs	2.6kgs	2.6kgs	2.6kgs	2.6kgs

Optional stir bar

Type	SP-A	SP-B	SP-C	SP-D	SP-E	SP-F	SP-G	SP-I
Dimension(mm)	Φ6X10	Φ6X20	Φ8X25	Φ6X30	Φ8X35	Φ8X45	Φ9X60	Φ9X70



Digital Stirrer TS Series

Art No: LAB05018

TS- Series digital magnetic (electric heating jacket) stirrer uses computer chip as the main control unit, multiple digital filter circuit, and PID for temperature control.

Product features:

1. The control panel designed 30° slopes for convenient operation.
2. Available for heating and stirring standard/non-standard reaction flasks from 50ml to 1000ml.
3. DC brushless motor makes stable operation, low noise, long using life and no spark.
4. Metal plate shell, firm and durable, thermostability and anti-corrosion.
5. Knob thermal control, LCD display of temperature, visual intuition and humanized design.
6. Using electric heating jacket and heating area is large, heating uniform and fast. Max surface temperature can reach 340°C
7. PID for temperature control. Self-tuning function. High precision measurement. Single button operation. Internal and external thermocouple, Silicon control of output. 160-240V wide voltage power supply and burnout protection function.
8. Magnetic stirring technology. Steady working at low speed, powerful working at high speed.

Technical Parameters

Order No	TS-100	TS-250	TS-500	TS-1000
Stirring Volume	100ml	250ml	500ml	1000ml
Speed Range	100~1800rpm			
Heating Temp	Max surface Temp.:340°C			
Temp. Control Range	R.T. 5°C~340°C			
Temp. Control	±1°C			
Boiling time	1000ml Water 7~12min			
Input Voltage	AC 220V/110V, 50Hz/60Hz			
Heating Power	200W	400W	600W	800W
Fuse Protector	250V, 2A/4A, Φ5×20	250V, 3A/6A, Φ5×20	250V, 5A/10A, Φ5×20	250V, 7A/14A, Φ5×20
Dimension	W.156xD.266xH.110mm			
Net Weight	2.8kgs			



Mini Magnetic Stirrer

Art No: LAB05019

Product description:

It is a mini-sized and portable magnetic stirrer with high standard reliability and durability. It has wide range of application.

Product features:

1. Distinct design, small and exquisite, simple operation.
2. Long using life with no carbon brush motor.
3. Speed regulation stepless, large range of speed.
4. Strong magnetism to avoid stirrer jumping.
5. Convenient and portable. Meet different kinds of experimental demands.

Art No.: LAB05019

Technical Parameters

Max. Capacity	250ml
Speed Range	0 - 2500 rpm
Platform Material	Plastic
Platform Size	Φ88mm
Stirrer Dimension	Φ8x40mm
Input/Output	1.2W/0.8W
Dimension	125x110x70mm
Net Weight	1.1kg
Power	AC90~230V/15W 50/60 Hz

High Speed Overhead Stirrer

Art No: LAB05020

Characteristics :

- 1.High speed stirring by directly driven motor
- 2.Over heat protection function for motor
- 3.Ideal for stirring low-to-medium viscous materials
- 4.Smooth start and change of the stirring speed
- 5.Height of the impeller adjustable
- 6.Chrome plated and stainless steel chuck to prevent from corrosion

Art No: LAB05021

Have additional characteristics below:

- 7.Digital feedback control: steady and constant stirring speed against viscosity change of a sample during reaction.
- 8.Jog shuttle control system
- 9.Digital LCD with backlight function
- 10.Over load protection function for motor
- 11.Digital timing function (99hr 59min)
- 12.Alarm function when in error status or timing end
- 13.Storage function for set value: rpm and timer



Art No: LAB05020



Art No: LAB05021

Technical Data

Model No.	LAB05020. 01	LAB05020. 02	LAB05021. 01	LAB05021. 02
Stirring Capacity	Max. 10L of Water	Max. 20L of Water	Max. 10L of Water	Max. 20L of Water
Maximum Viscosity	1000mpas	50000mpas	1000mpas	50000mpas
Maximum torque	85Ncm	145Ncm	85Ncm	145Ncm
Speed range & motor	0~3000rpm, worm-gear DC Motor		200~3000rpm, worm-gear DC motor	
Motor Rating(input/output)	83/75W,1/10HP	130/120W,1/6HP	83/75W,1/10HP	130/120W,1/6HP
Controller	Analog phase controller		Digital feedback controller with jog shuttle switch(turn + push)	
Display	/		Digital LCD with back-light function	
Max. Impeller Shaft Diameter	10mm			
Permissible temp. & humidity	0~40°C,80%			
Safety device	Over heat protection for motor		over load & heat protection for motor	
Material	ABS and Aluminum			
Power consumption	85W	130W	85W	130W
Power supply	AC230V,50/60Hz			
Timer & alarm	/		99hr 59min(with continuous run.), error status & timer-end	
Dimension	90x145xh180mm			
Net weight	4.5kg	5.3kg	4.5kg	5.3kg

Overhead Stirrer SH-II Series

Art No: LAB05022

This overhead stirrer is suitable for mixture of high viscosity liquid or solid-liquid.

Characteristics:

1. High reliability, long continuous service, outstanding performance
2. The speed is accurate and controlled, easy to operate
- 3.Brushless DC motor drive, low noise and maintenance free
- 4.Overload protection, motor would automatically stop in case of continuous overload
5. Anti-spill samples, PC control system starts up smoothly to prevent samples from overflow

Main Technical Parameters:

Model No.	Power (W)	Max. Capacity (L)	Voltage(V)	Speed Accuracy(r.p.m)	Speed Display	Speed Range (r.p.m)	Plate Size (mm)
SH-II-4	10	2	100~240	±1	LCD	100~2500	180*250
SH-II-5	20	5					180*250
SH-II-6	60	20					200*300
SH-II-7	80	40					200*300
SH-II-5C	20	5					180*250
SH-II-6C	60	20					200*300
SH-II-7C	80	40					200*300
SH-II-8C	60	40					10~600



Digital Overhead Stirrer

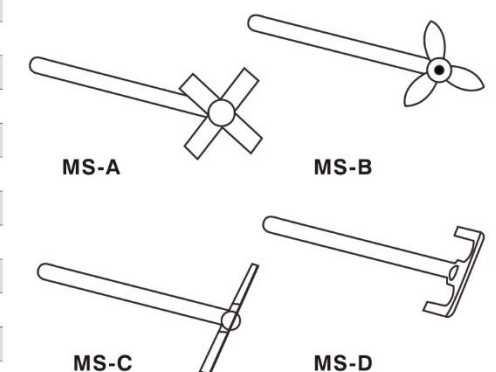
Art No: LAB05023

Product Features:

1. LED with backlit displays speed and torque in real-time.It's convenient and accurate for readings, easy to operate.
2. Precise control speed. Control accuracy is ± 3rpm. Accurately displays the speed actual value / set value.
3. Constant speed.Torque can be adjusted automatically according to the sample viscosity change to keep the set speed.
4. Full explosion-proof equipment. Explosion-proof brushless DC motor to ensure lab safety.
5. Anti-spill samples, smooth start, effectively prevent spilling.
6. Closed shell to prevent liquid from entering the machine's internal circuit, ensure safe operation. Long time continuous and stable operation.
7. Overload protection and motor protection. When overload,short circuit and abnormal speed occur,it will cut off the circuit and alarm automatically to ensure running and lab safe.
8. Open RS232 data output connector.Computer via RS232 interface enables remote control and save the data.
9. Clockwise counter, clockwise stirring exchange mode. Stirring effect is better.

Technical Parameters

Art No.	LAB05023.01	LAB05023.02
Max Stir Capacity (H2O)	20L	40L
Speed Range	50~2200rpm	50~2200rpm
Speed Control Accuracy	±3rpm	
Speed Display Accuracy	±1rpm	
Time Range	30s~999min	
Max.Torque	40N.cm	
Max.Viscosity	10000mPas	50000mPas
Drill Chuck Clamping	0.5~10mm	
Rs232 Connector	yes	
Voltage	VD 24V,50/60Hz	
Power	70W	130W
Dimension (WxDxH)	83x220x186mm	



Stirring Rod for Option:

Cat#	Stirring style	Spec	Dia.of the Propeller	Dia.of the Stir Rod	Lenth of the Stir Rod	Max. speed
MS-A	Propeller style	4 blade	50mm	8mm	350mm	2000rpm
MS-B	Propeller style	3 blade	45mm	8mm	350mm	2000rpm
MS-C	Centrifugal style	2 blade	60mm	8mm	350mm	2000rpm
MS-D	Anchor style	1 blade	45mm	8mm	350mm	2000rpm



Water Bath 2 Holes Digital

Art No: LAB06001



Water Bath 4 Holes Digital

Art No: LAB06002



HH-420 Thermostatic Multi-Functional Water Bath, 2 Holes

Art No: LAB06003
 Heating Power: 800W
 Temperature Range: RT-100°C
 Temperature Control Accuracy: ±0.5°C

Note: The model with C is digital type. If without C, there is only a speed knob, and the knob can only adjust the speed.



Thermostatic Water Bath Oscillator

Art No: LAB06004
Range of temperature control: RT-100°C
Heating power: 2000W
Dimension: 720x480x520mm



Thermostatic Heating Mantle

Art No: LAB06005

	Water output	Heating power
LAB06005.01	250ml/h	200W
LAB06005.03	500ml/h	400W
LAB06005.04	1000ml/h	600W
LAB06005.05	2000ml/h	800W



Heating Mantle Temperature Adjustable

Art No: LAB06006

	Capacity	Heating power
LAB06006.01	250ml	200W
LAB06006.02	500ml	400W
LAB06006.03	1000ml	600W
LAB06006.04	2000ml	800W
LAB06006.05	3000ml	1000W



Water Bath 6 Holes Digital

Art No.: LAB06011



Digital Thermostatic Water Tank DK-8A

Art No: LAB06012
Heating Power: 1500W
Temperature Control Accuracy: ±0.5°C
Temperature Range: RT-100°C
Working Size: 45*30*17cm
Time range: 0-999min
Volume: 23L



Electric Heater

Art No: LAB06010.01
Power: 1000w
Art No: LAB06010.02
Power: 1500w



Water Bath 1 Hole Digital

Art No: LAB06007



Water Bath

Art No: LAB06008
Power: 600w
Temperature range: 10 -100°C
Capacity of tank: 3 liters



Water Bath

Art No.: LAB06008.02
8 Liter transparent water tank made of heavy duty PC with 2 sets stainless steel racks, lid and built-in stirrer microprocessor to control heater and the speed of stirrer. Temperature regulation is 0.1°C up to 85°C (1% accuracy). Thermometer display in Celsius and Fahrenheit selective



A



C

Hot Plate

Art No: LAB06013

Characteristics:

1. Heater uses the special technique finish and no shape change under high temperature.
2. The Aluminum hot plate ensures the equal temperature.
3. Temperature rising fast and equally, easy to operate and safe.
4. Heating power is steplessly adjusted.
5. Hot plate surface temperature can be up to 350°C.

Digital Hot plate has more functions as follows:

1. LCD screen shows the liquid temperature clearly.
2. PT100 Sensor ensures the temperature precise

Main parameters:

Model	Hot Plate(cm)	Power(W)	Max. Temp.(°C)	Voltage(V)
LAB06013. 01A	30×30	1200	350	220/110
LAB06013. 01C				
LAB06013. 02A	35×45	1800		
LAB06013. 02C				
LAB06013. 03A	40×40	2000		
LAB06013. 03C				
LAB06013. 04A	35×60	2800		
LAB06013. 04C				
LAB06013. 05A	40×60	3000		
LAB06013. 06C				



Digital Water Bath 2 Holes

Art No: LAB06009.01
Good Quality



Digital Water Bath 4 Holes

Art No: LAB06009.02
Good Quality



Digital Water Bath 6 Holes

Art No: LAB06009.03
Good Quality



Shaking Water Bath

LAB06014.01 30L Reciprocal Shaking Water Bath
LAB06014.02 50L Reciprocal Shaking Water Bath

- 30/50L volume with standard shaking tray 434x256/494x316mm
- Reciprocal movement, variable speed from 20-180rpm, 16 & 24mm variable strokes
- High quality #304 stainless steel for excellent durability of interiors and its parts
- PID controlled temperature, range from ambient-99.9°C
- Lid included as standard for 30L (Optional for 50L)



- Features:**
1. Integrated with incubator and shaker to save space and cost with tempered glass window.
 2. ABS shell, stainless steel chamber.
 3. Big LCD display showing temperature and shaking velocity.
 4. With easy operations and storage function of working parameters.
 5. Auto-recovery after power interruption as originally programmed.
 6. Auto-stop protection to keep sample safe when the door is opened. Strong air spring rod with easy opening and closing.

Orbital Thermostatic Incubator Shaker SPH Series

Art No: LAB06015

Model	SPH-103B	SPH-100B	SPH-200B
Controller		PID	
Display		LCD	
Shaking Method		Rotated shaking	
Temp. Control Scope	R.T+5°C- 60°C	R.T+5°C- 60°C	4°C- 60°C
Temp. Control Precision		±0.1°C	
Temp. Evenness		±0.5 °C	
Rotary Speed		30~400rpm	
Rotary Speed Precision		±1rpm	
Vibration Range		Φ25mm	
Refrigerant	None	None	CFC-Free(134A)
Cooler	None	None	118W
Heate	150w	400W	400W
Timing Scope		0-500hr	
Shaking Plate Size	260x260mm	400x370mm	420x400mm
Max Capacity	100mlx9 or 250mlx4	500mlx9 or 250mlx12	1000mlx9 or 250ml x16
Standard Capacity	100mlx9	500mlx3/250mlx4/100mlx5/50mlx5	500mlx3/250ml/4/100mlx5/50mlx5
Working Power	280w	490w	580w



Electronic Control Heating Mantle

Art No: LAB06016

The device is widely used for heating the liquid in the school laboratory, mining, food processing, biochemistry, agriculture, petrochemical engineering and pharmaceutical industry.

- Characteristics:**
1. Cold rolled steel exterior, stretched and sprayed.
 2. Electronic temperature regulation mode with characteristics of stepless speed adjustment, uniform temperature, heating fast, and safety.
 3. Featured by anti-corrosion, age-resistance, durability and safety.

Main Parameters

Model	LAB06016											
Capacity(ml)	50	100	250	500	1000	2000	3000	4000	5000	6000	10000	20000
Voltage(V)	220V/50Hz											
Max use temp(°C)	450											
Power(w)	80	100	150	250	350	450	600	700	800	900	1200	2400
Working time	Continuous											
Exterior size(mm)	φ200×160	φ260×200	φ300×230	φ300×250	φ310×250	φ350×270	φ350×270	φ420×320	φ450×380			



Magnetic Stirring Heating Mantle

Art No: LAB06017

The device is widely used for heating in the school laboratory, mining, food processing, biochemistry, agriculture, petrochemical engineering and pharmaceutical industry for the liquid.

- Characteristics:**
1. Cold rolled steel exterior, stretched and sprayed.
 2. Electronic temperature regulation mode, stepless speed adjustment, uniform temperature, heating fast and safety.
 3. Heating and stirring can be used simultaneously, speed steplessly adjustable.

Main Parameters

Model	LAB06017											
Capacity(ml)	50	100	250	500	1000	2000	3000	4000	5000	6000	10000	20000
Voltage(V)	220V/50Hz											
Max use temp(°C)	450											
Power(w)	80	100	150	250	350	450	600	700	800	900	1200	2400
Speed (r.p.m)	0-1400											
Working time	Continuous											
Exterior size(mm)	φ200×160	φ260×200	φ300×230	φ300×250	φ310×250	φ350×270	φ350×270	φ420×320	φ450×380			



Digital Display Heating Mantle

Art No: LAB06018

It applies to colleges, petrochemical industries, medicine, and environment protection institutions for liquid heating.

- Characteristics:**
1. Cold rolled steel exterior, stretched and sprayed.
 2. Featured by anti-corrosion, age-resistance, durability and safety.
 3. Beautifully shaped, easy to operate and effective.
 4. Adjustable sensor rack with stainless steel rods.

Main Parameters

Model	LAB06018											
Capacity(ml)	50	100	250	500	1000	2000	3000	4000	5000	6000	10000	
Voltage(V)	220V/50Hz											
Max use temp(°C)	450											
Power(w)	80	100	150	250	350	450	600	700	800	900	1200	
Working time	Continuous											
Exterior size(mm)	φ200×165	φ280×200	φ330×230	φ340×245	φ340×245	φ350×250	φ350×270	φ425×320				



Digital & Magnetic Stirring Heating Mantle

Art No: LAB06019

It applies to colleges, petrochemical industries, medicine, and environment protection institutions for liquid heating and stirring.

- Characteristics:**
1. Cold rolled steel exterior, stretched and sprayed.
 2. Auto temperature control, digital display with characteristics of large heating area, fast warm-up, high temperature evenness, accurate control, time and cost saving.
 3. Heating and stirring can be used simultaneously, stepless speed adjustment.
 4. Featured by anti-corrosion, age-resistance, durability and safety.
 5. Adjustable sensor rack with stainless rods.

Main Parameters

Model	LAB06019											
Capacity(ml)	50	100	250	500	1000	2000	3000	4000	5000	6000	10000	
Voltage(V)	220V/50Hz											
Max use temp(°C)	450											
Power(w)	80	100	150	250	350	450	600	700	800	900	1200	
Speed(r.p.m)	0-1400											
Working time	Continuous											
Exterior size(mm)	φ200×165	φ280×200	φ330×230	φ340×245	φ340×245	φ350×250	φ350×270	φ425×320				



Ceramic Fiber Muffle Furnace

Art No: LAB06020

Uses:
This device is widely used in the school laboratory, industrial and mining enterprise, food processing and pharmaceuticals industry for elements analysis. It is used in heating for small steel annealing and tempering and high temperature heating for metal and ceramics firing, dissolution and analysis.

- Characteristics:**
1. All stainless steel glory hole to make sure its color will not change.
 2. Imported double insulation ceramic liner with stable performance.
 3. Vacuum forming polycrystalline mullite fibre furnace hearth has characteristics of efficient insulation and three sides heating of special alloy heating wire to provide optimum temperature uniformity.
 4. The perfect combination of high precision micro-computer controller and accurate sensor has advantage of precise temperature.
 5. Double-shell hollow thermal insulation and double ventilation duct with advantages of excellent ventilation, not hot shell and quick internal cooling.
 6. The furnace with multiple safety protection measures, such as thermocouple failure, door opening, door opening electrical outage, over temperature protection, audio-visual alarm, etc.

- Additional characteristics of SX4 model:**
1. Imported high precision controller and sensor, with sensitive response, high precision of temperature control, and good heating resistance.
 2. The increased exhaust device is good for ashing.
 3. Split design, circuit detachable, easy to repair.
 4. P type is program temperature control. The additional program temperature controller and multi-stage programmable control could simplify experiment process and realize automatic control and operation.

- Optional type:**
1. Whole stainless steel outer shell
 2. LCD program control: USB data storage, temperature rising curve display, and host computer software, can print the data from computer.
 3. Touch screen controller.

Main Parameters:

Model	Voltage(V)	Power (KW)	Inner Chamber Size(LxWxH)(mm)	Exterior Size(mm)	Packing Size(mm)	Tem Precise (°C)	Max Temp (°C)	Tem.rising time(Empty/Min)
Standard Model								
SX3-2.5-12	110/220	1.5	200x120x80/2L	685x450x600	775x580x730	±1	1200°C	≤30
SX3-5-12	220	3	300x200x120/7.2L	785x530x640	875x660x770			
SX3-8-12		4.5	300x200x200/12L	785x530x720	875x660x850			
SX3-10-12	220/380	6	400x250x160/16L	895x600x700	985x730x830			
High Precision Controller and Sensor								
SX4-2-12	220	1.5	200x120x80/2L	685x450x600	775x580x730			
SX4-7-12		3	300x200x120/7.2L	785x530x640	875x660x770			
SX4-12-12		4.5	300x200x200/12L	785x530x720	875x660x850			
SX4-16-12	220/380	6	400x250x160/16L	895x600x700	985x730x830			
Program Temperature Control								
SX4-2-12P	220	1.5	200x120x80/2L	685x450x600	775x580x730			
SX4-7-12P		3	300x200x120/7.2L	785x530x640	875x660x770			
SX4-12-12P		4.5	300x200x200/12L	785x530x720	875x660x850			
SX4-16-12P	220/380	6	400x250x160/16L	895x600x700	985x730x830			

Performance parameter testing condition: temperature 20°C, ambient humidity 50% RH



Portable Stainless Steel Pressure Steam Sterilizer

Art No: LAB07001.01
Volume: 8L
Output power: 1.0KW
Size: 310x310x250mm
Auto discharging pressure: 0.145-0.165MPa
Working style: coal & electrical

Art No: LAB07001.02
Volume: 18L
Output power: 2.0KW
Size: 400x400x440mm
Auto discharging pressure: 0.145-0.165MPa
Working style: coal & electrical

Art No: LAB07001.03
Volume: 24L
Output power: 2.0KW
Size: 400x400x540mm
Auto discharging pressure: 0.145-0.165MPa
Working style: coal & electrical



Portable Stainless Steel Pressure Steam Sterilizer

Art No: LAB07002.01
Volume: 18L
Output power: 2.0KW
Size: 280x235mm
Auto discharging pressure: 0.145-0.165MPa
Heating style: electrical
Working style: normal

Art No: LAB07002.02
Volume: 18L
Output power: 2.0KW
Size: 280x235mm
Auto discharging pressure: 0.145-0.165MPa
Heating style: electrical
Working style: auto-control

Art No: LAB07002.03
Volume: 18L
Output power: 2.0KW
Size: 280x235mm
Auto discharging pressure: 0.145-0.165MPa
Heating style: electrical
Working style: microcomputer control LED display



Portable Stainless Steel Pressure Steam Sterilizer

Art No: LAB07003.01
Volume: 24L
Output power: 2.0KW
Size: 280x235mm
Auto discharging pressure: 0.145-0.165MPa
Heating style: electrical
Working style: normal

Art No: LAB07003.02
Volume: 24L
Output power: 2.0KW
Size: 280x235mm
Auto discharging pressure: 0.145-0.165MPa
Heating style: electrical
Working style: auto-control

Art No: LAB07003.03
Volume: 24L
Output power: 2.0KW
Size: 280x235mm
Auto discharging pressure: 0.145-0.165MPa
Heating style: electrical
Working style: microcomputer control LED display