

BIOLOGIX INSTRUMENTS



Biologix is specialized in the R & D and production of disposable medical detection reagents & supplies, laboratory supplies & instruments, and complete biobanking solutions. Biologix has a responsible and flexible team of major technological and managerial talents in the field of life science and medicine. Biologix is rated as a High-Tech Enterprise. Taking “Serve Human Health” as the object, Biologix’s two brands: BIOLOGIX and CryoKING enjoys international excellence and reputation from the power of the sustainable innovation and continuous improvement.

Biologix focuses on the R & D and innovation of core products, and has the standard class 100,000 clean room which are compliant with GMP standards and number of professional R & D testing laboratories which are all ISO 9001, CE, and FDA registered, and follow the strict CDC guidelines for purity and efficiency. Biologix is committed to the design and manufacture of high-quality products, enriching product lines, and strengthening the service of complete solutions.

Biologix has developed a focus on constant innovation and improvement to offer optimal products, innovative solutions, and service to about dozens of countries and regions in Europe, America, and Asia. Biologix has been an international and well-known company in the world. Biologix wishes to strengthen the cooperation with international companies in OEM service and technical cooperation hand in hand to contribute to human health.





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*Note: catalogue numbers ending in X are region-specific. Please contact the Biologix sales representative for your region.

01-241X (0.5-10µL) 01-242X (5-50µL)
 01-243X (30-300µL) 01-244X (100-1000µL)

dPette Digital Pipette

Simple Electric Pipette



Features

- High accuracy, high performance stepper motor ensures accuracy and repeatability, eliminating manual pipetting errors.
- A motor driven digital control pipette with multifunction.
- 2 buttons handle all operational settings.
- Light weight, ergonomic design, small body dimension for easy handling that guarantees fatigue free pipetting.
- Pipetting, Mixing.
- Adjustable speeds for aspiration and dispensing.
- Li-ion battery and dual charging modes enable longer operation time.
- Self calibration.

Specifications

Cat #	Channels	Volume Range (uL)	Increment (uL)	Test Volume	Inaccuracy		Imprecision	
				uL	uL	%	s.d.*uL	CV%*
01-241X	1	0.5-10	0.01	10	±0.10	±1.0	0.05	0.5
				1	±0.035	±3.5	0.03	3.0
01-242X	1	5-50	0.1	50	±0.40	±0.8	0.15	0.3
				5	±0.15	±3.0	0.125	2.5
01-243X	1	30-300	1	300	±1.8	±0.6	0.6	0.2
				30	±0.9	±3.0	0.21	0.7
01-244X	1	100-1000	5	1000	±6.0	±0.6	2.0	0.2
				100	±3.0	±3.0	0.6	0.6

* s.d. = Standard Deviation *CV = Coefficient of Variation

Specifications are used as guidelines and the user calibration should refer to the industrial standard ISO 8655.

- | | |
|------------------------------|-----------------------------|
| 01-2101 (0.5-10µL) | 01-2104 (10-100 µL) |
| 01-2102 (20-200µL) | 01-2110 (100-1000µL) |
| 01-2115 (1000-5000µL) | 01-2112 (0.1-2.5µL) |
| 01-2122 (2-20µL) | 01-2155 (5-50µL) |

**MicroPette Plus Pipettes
Single-Channel**

121°C
FULLY
Autoclavable

Features

- Fully autoclavable.
- Ergonomic design provides excellent operating experience.
- Easy-to-read volume display.
- The pipettes cover the volume range from 0.1µL to 5mL.
- Easy calibration and maintenance.
- Manufactured from innovative materials.
- Each MicroPette Plus supplied with an Individual calibration certificate according to ISO8655.



Pipette Stand (01-2306)

Holds up to six single- or multi-channel pipettes

Turn plunger knob to select pipetting volume

Comfortable Finger support

Tip ejector enables convenient one-handed operation

Ejector collar and tip cones can be removed for maintenance

Durable tip cone materials have excellent chemical resistance



8-Channel

- 01-2801 (0.5-10 µL)**
- 01-2805 (5-50 µL)**
- 01-2830 (50-300 µL)**

121°C
FULLY
Autoclavable

- Dispensing head rotates for effortless pipetting convenience.
- Individual piston and tip cone assembly allow for easy repair and maintenance.
- Compound material-made tip cone secures high sealing performance.
- Compatible with most universal tip brands.

MicroPette Plus Specifications

Single-channel Adjustable Volume Pipettes							
Catalogue No.	Volume Range (µL)	Increment (µL)	Test Volume (µL)	Maximum permissible systematic error (Inaccuracy)		Maximum permissible random error (Imprecision)	
				%	µL	%	µL
01-2101	0.5-10	0.1	10	1.00%	0.1	0.80%	0.08
			5	1.50%	0.075	1.50%	0.075
			1	2.50%	0.025	1.50%	0.015
01-2104	10-100	1	100	0.80%	0.8	0.15%	0.15
			50	1.00%	0.5	0.40%	0.2
			10	3.00%	0.3	1.50%	0.15
01-2102	20-200	1	200	0.60%	1.2	0.15%	0.3
			100	0.80%	0.8	0.30%	0.3
			20	3.00%	0.6	1.00%	0.2
01-2110	100-1000	5	1000	0.60%	6	0.20%	2
			500	0.70%	3.5	0.25%	1.25
			100	2.00%	2	0.70%	0.7
01-2115	1000-5000µL	50µL	5000µL	0.50%	25	0.15%	7.5
			2500µL	0.60%	15	0.30%	7.5
			1000µL	0.70%	7	0.30%	3
01-2112	0.1-2.5µL	0.55µL	2.5µL	2.50%	0.0625	2.00%	0.05
			1.15µL	3.00%	0.0375	3.00%	0.0375
			0.25µL	12.00%	0.03	6.00%	0.015
01-2122	2-20µL	0.5µL	20µL	0.90%	0.18	0.40%	0.08
			10µL	1.20%	0.12	1.00%	0.1
			2µL	3.00%	0.06	2.00%	0.04
01-2155	5-50µL	0.5µL	50µL	0.60%	0.3	0.30%	0.15
			25µL	0.90%	0.225	0.60%	0.15
			5µL	2.00%	0.1	2.00%	0.1
8-channel Adjustable Volume Pipettes							
Catalogue No.	Volume Range (µL)	Increment (µL)	Test Volume (µL)	Maximum permissible systematic error (Inaccuracy)		Maximum permissible random error (Imprecision)	
				%	µL	%	µL
01-2801	0.5-10	0.1	10	1.50%	0.15	1.50%	0.15
			5	2.50%	0.125	2.50%	0.25
			1	4.00%	0.04	4.00%	0.1
01-2805	5-50	0.5	50	1.00%	0.5	0.50%	0.75
			25	1.50%	0.375	1.00%	0.75
			5	3.00%	0.15	2.00%	0.4
01-2830	50-300	5	300	0.70%	2.1	0.25%	0.75
			150	1.00%	1.5	0.50%	0.75
			50	1.50%	0.75	0.80%	0.4

Autoclaving

All MicroPette Plus Pipettes are fully autoclavable without special preparation. Autoclaving at 121°C and 1 atm for 20 minutes is recommended. After autoclaving, leave pipette to cool and dry for 12 hours, then check its performance and re-calibrate if necessary. For best performance, apply lubricant to the piston and seal of the pipette after every 10 autoclave cycles.

01-221X

Levo ME Pipette Filler

Levo ME pipette filler has an excellent feature and ergonomic design, suitable for almost all commonly used glass or plastic pipettes.

Features

- Enables single-handed operation with minimum effort.
- Compatible with most of the plastic and glass pipettes from 0.1-100mL.
- Easily adjustable speed control.
- 0.45µm replaceable hydrophobic filter.
- Stable and reliable performance, elegant appearance.
- High-capacity Li-ion battery enables long operation time.



Specifications

Catalogue No.	01-221X
Aspiration Speeds	25ml<7s
Dispensing Speeds	Motor/Gravity
Battery	lithium-ion
Battery Life	More than 8 Hours of Intermittence Use
Charging Time	2-3 hours
Compatible Pipette Types	glass or plastic pipettes (0.1-100mL), Pasteur pipettes
Weight	200g

01-220X
Levo Plus Pipette Filler

Features

- Compatible with most of the plastic and glass pipettes from 0.1 -100mL.
- Six different speed modes for aspiration and dispensing different liquids.
- Large LCD display showing low battery warning and speed settings.
- Enables single-handed operation with minimum efforts.
- Light and ergonomic design providing easy usability.
- High capacity Li-ion battery enables long runtime of operation.
- Powerful pump fills a 25mL pipette in<5 seconds.
- 0.45µm replaceable hydrophobic filter.
- Rechargeable during use.



Large LCD display showing low battery warning and speed settings

Select the desired coarse speed by pressing the button +/-



Specifications

Aspiration Speeds	25mL<5s (6 shift)
Dispensing Speeds	Motor (6 shift)/Gravity
Battery	lithium-ion
Battery Life	8+ hours of intermittent use
Charging Time	2-3 hours
Compatible Pipette Types	glass or plastic pipettes (0.1-100mL), Pasteur pipettes
Filter	0.45 µm hydrophobic
Weight	200g



01-270X
SAFEVAC
Vacuum Aspiration System

The SAFEVAC Vacuum Aspiration System is ideal for quick and safe aspiration of hazardous liquids and their subsequent disposal. It is widely used to aspirate media from cell cultures, supernatants after centrifugation, and wash solutions from immunoassay plates, etc.



8-channel nozzles available



Specifications

Catalogue No.	01-270X
Vacuum range [mbar]	0 - 600 (adjustable)
Pump flow rate [L/min, air] (rated value)	15
Liquid aspiration rate (mL/s)	17
Dimensions [W × D × H mm]	180 × 240 × 450
Weight [kg]	3
Input voltage	100-240 VAC, 50/60 Hz
Bottle Volume [L]	4



Features

- Integrated pump with adjustable vacuum control
- Self-closing connectors for quick installation and dismantling, prevention of drips, and containment of aerosols
- Liquid level sensor prevents overflow
- Autoclavable waste collection bottles, tubings, and nozzles
- Sturdy, detachable handle for convenient transportation of waste collection bottle
- Single-channel and multi-channel nozzles and other accessory options available

05-272X, 05-2791, 05-2792

05-2760, 05-2761, 05-2762

Laboratory Fluid Collection System

Features

- Filmed inner wall
- Connection type: Can be connected with fluid instruments of various brands
- Funnel type: Equipped with the valve funnel
- High sealing performance
- Equipped with super efficient filter with connector



Specifications

Catalogue No.	05-2720	05-2721
Product	Connection type	Funnel type
Description	One 20L security bucket with inner film One inner cover, One outer cover One set of liquid-phase connector One set of efficient filter connector One inorganic or organic filter	One 20L security bucket with inner film One inner cover One outer cover, One funnel with a cover One set of efficient filter connector One inorganic or organic filter
Unit	1 Set/Case	1 Set/Case

01-330X

Classic Magnetic Stirrer

The Classic Magnetic Stirrer is designed for liquid mixing with magnetic stir bars. It is ideal for a wide variety of applications, such as chemical analysis, reagent mixing, and many other common laboratory tasks.

Features

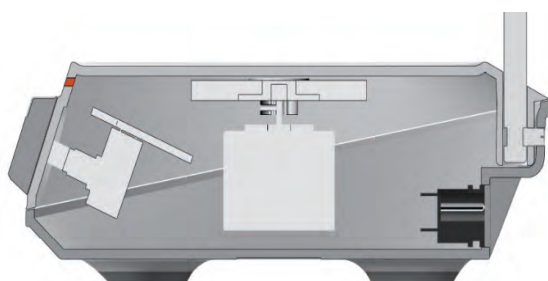
- Maintenance free brushless DC motor.
- Rare earth magnets give powerful stirring.
- Stepless speed regulation 300-2000rpm.
- Ultra silence and vibration-free design.
- PET top provides excellent chemical resistance.
- Shaft can be fitted with a PH sensor or sensors for other purposes.



Light, low-profile design stabilized by rubberized feet



Whisper-quiet design and vibration protection ensure a quiet working environment



Specifications

Catalogue No.	01-330X
Work plate Dimension	φ120mm
Work plate material	PET
Motor type	Brushless DC motor
Stirring positions	1
Max. stirring quantity[H ₂ O]	1.5L
Max. magnetic bar[length]	40mm
Speed range	300-2000rpm
Speed setting	scale
Protection class	IP21
Motor output power	1.2W
Power	7.2W
Voltage	100-120/200-240V,50/60Hz
Dimension [W x D x H]	150x145x50mm
Weight	0.3kg
Permissible ambient temperature and humidity	5-40°C,80%RH

01-320X

FlatSpin Magnetic Stirrer

With excellent stirring functionality, the compact shape of FlatSpin takes less bench space and makes storage easier.

Features

- Ultra-flat, space-saving design
- Stirring speed range: 15 - 1500 rpm
- Automatic rotation-reversing stirring for better mixing results
- Constructed of chemically resistant materials
- Slip-resistant and stable



Specifications

Catalogue No.	01-320X
Work plate Dimension	φ90mm
Work plate material	PET
Motor type	Motorless
Stirring positions	1
Max. stirring quantity[H ₂ O]	0.8L
Max. magnetic bar[length]	40mm
Speed range	15-1500rpm
Speed setting	button
Protection class	IP65
Motor output power	3W
Power	5W
Voltage	100-120/200-240V,50/60Hz
Dimension [W x D x H]	175x120x15mm
Weight	0.3kg
Permissible ambient temperature and humidity	5-40°C,80%RH



01-310X

Magnetic Stirrer Hotplate

Perfect device for handling small volume task on daily application, as a low temperature magnetic stirrer with max. temperature at 280°C.

Features

- Digital temperature control with max. Temperature up to 280°C.
- Digital speed control with max. speed up to 1500rpm.
- Stainless steel work plate with ceramic coating provides good chemical resistant performance.
- External temperature control is possible by connecting the temperature sensor (PT1000) with an accuracy at ±0.5°C.
- LED display shows temperature and speed.
- The “HOT” warning will flash when the work plate temperature.



External sensor



Wide range of accessories



Chemical resistance



LED display



Cat. No: 01-3191

Temperature sensor for digital hotplate models, length: 230mm



Cat. No: 01-3192

Support clamp for 01-3191, use with 01-310X



Specifications

Catalogue No.	01-310X
Dimensions of hotplate [mm]	135
Hotplate material	Stainless steel with ceramic coating
Motor type	DC motor
Motor input rating [W]	5
Motor output rating [W]	3
Power [W]	515
Voltage [VAC]	100-120/200-240
Frequency [Hz]	50/60
Stirring positions	1
Max. stirring quantity [L, H ₂ O]	3
Max. magnetic bar size [L, mm]	50
Speed range [rpm]	200-1500
Heating output [W]	500
Heating temperature range [°C]	Room temp.-280, increment 1
Control accuracy of work plate [°C]	±1 (<100°C) ±1% (>100°C)
Auto-shutoff temperature [°C]	320
Temperature display	±1
HOT caution warning [°C]	50
Protection class	IP21
Dimension [W x D x H, mm]	150 x 260 x 80
Weight [kg]	1.8
Permissible ambient temperature [°C]	5-40
Permissible relative humidity	80%

EcoStir

Square Plate Magnetic Stirrer

Biologix Square Plate Magnetic Stirrer with electrode holder has a reliable design and a powerful stirring ability. It is a basic and ideal tool for electrochemistry measurements or water & environment monitoring; drug or food analysis; liquid culture mixing, etc.

Features

- Compact design with small footprint, 12V voltage available for mobile labs.
- Square work plate supports 1.5L stirring capacity.
- Holder with clamp for pH electrode or other sensor.
- Default PET top provides excellent chemical resistance.
- Extra colorful stickers satisfy DIY design by yourself.
- Maintenance free brushless DC motor.
- An economical choice of a reliable & durable magnetic stirrer with an electrode holder for stable & powerful stirring ability.



Specifications

	EcoStir
Work plate size	120x115mm
Work plate material	PET
Motor type	Brushless DC Motor
Stirring position	1
Max. stirring quantity (H ₂ O)	1.5L
Max. magnetic bar (length)	40mm
Speed range	300-2000rpm
Speed setting	Scale
Protection class	IP21
Motor output power	1.2W
Power	7.2W
Voltage	DC 12V, 100-240V, 50/60Hz
Dimension [WxDxH]	150x144x54mm
Weight	0.3Kg
Permissible ambient temp.&humidity	5-40°C80%RH



Applications outside lab:
 - Home brewing
 - Wine aeration
 - Yeast and bacteria ferment

01-110X

Vortex Mixer

Vortex Mixers are ideal instruments for mixing liquid components in tubes, resuspension of cells, using an eccentric mechanism. They are widely used in biological and chemical analysis applications.



Features

- Touch operation or continuous mode.
- Variable speed control from 0 to 3000rpm.
- Used for various mixing applications with optional adapters.
- Specially designed vacuum suction feet for body stability.
- Robust aluminum-cast construction. Different sizes (sold separately)



Vortex Mixer Accessories



01-110X

With 01-1193 universal top plate and 01-1135 tube adapter
Continuous operation



01-110X

With 01-1191 standard top cup
Touch operation



01-110X

With 01-1192 holding rod and tube adapter; touch operation



Cat. No: 01-1191

Standard top cup for small vessels and tubes <30mm in diameter



Cat. No: 01-1193

Universal top plate
Ø 100mm



Cat. No: 01-1131

Tube adapter for Ø6mm test tubes, 48 wells; used with 01-1192 or 01-1193



Cat. No: 01-1132

Tube adapter for Ø10mm test tubes, 15 wells; used with 01-1192 or 01-1193



Cat. No: 01-1135

Tube adapter for Ø20mm test tubes, 8 wells; used with 01-1192 or 01-1193



Cat. No: 01-1133

Tube adapter for Ø12mm test tubes, 12 wells; used with 01-1192 or 01-1193



Cat. No: 01-1134

Tube adapter for Ø16mm test tubes, 8 wells; used with 01-1192 or 01-1193



Cat. No: 01-1136

Platform pad for small vessels and tubes <99mm in diameter



Cat. No: 01-1192

Tube holding rod; used with tube adapters



Cat. No: 01-1137

Rubber vacuum suction foot

Applications

Adjustable speed model (0-2500rpm)		
Catalogue No.	Touch mode (High speed)	Continuous mode (Low speed)
01-1191	•	•
01-1192 + 01-1131	•	
01-1192 + 01-1132	•	
01-1192 + 01-1133	•	
01-1192 + 01-1134	•	
01-1192 + 01-1135	•	
01-1193 + 01-1136	•	
01-1193 + 01-1131		•
01-1193 + 01-1132		•
01-1193 + 01-1133		•
01-1193 + 01-1134		•
01-1193 + 01-1135		•

Classic Rotators

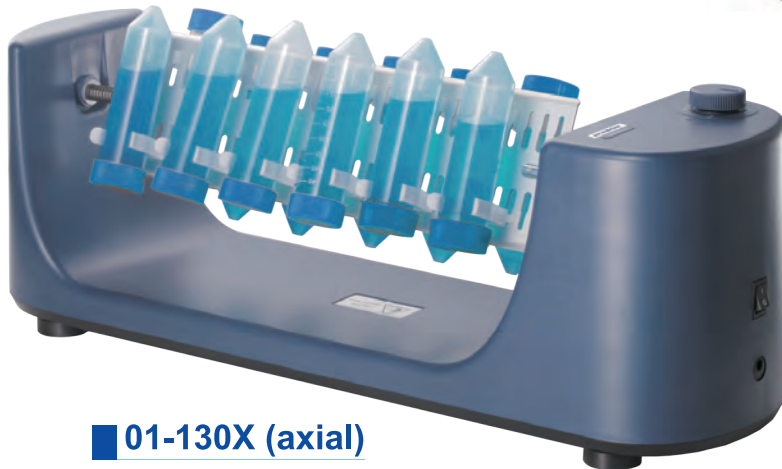
These classic adjustable-speed rotators provide continuous end-over-end rolling action to mix samples thoroughly or keep them in suspension. Two types are available.

Features

- Speed range: 0 - 80 rpm
- End-over-end rotation
- Continuous operation
- Compact, space saving design
- Various adapters available for use with 1.5mL - 50mL tubes



01-120X (radial)



01-130X (axial)



Specifications

Catalogue No.	01-120X, 01-130X
Voltage [VAC]	100-240
Frequency [Hz]	50/60
Power [W]	20
Motor type	DC motor
Speed range [rpm]	0-80
Operation type	Continuous
Dimensions [D×W×H, mm]	300 x 220 x 310 (01-120X) 150 x 530 x 190 (01-130X)
Weight [kg]	2.0 (01-120X) 1.7 (01-130X)
Permissible ambient temperature [°C]	5-40
Permissible relative humidity	80%
Protection class according to DIN EN60529	IP21

Orbital and linear shakers are ideal for almost any vessel from microcentrifuge tubes through petri dishes and microtitre plates to conical flasks.



01-624X NEW
01-623X
LCD Digital Orbital Shaker

Features

- Max. load capacity is 7.5kg(01-624X) and 2.5kg(01-623X) with platform
- Double LCDs for independent display of time and speed
- Used with a wide variety of accessories
- Maintenance- free brushless DC motor
- Over speed detection and protection
- Remote function provides PC control and data transmission



Timer



Wide range of accessories



01-621X OLD
LED Digital Orbital Shaker

Features

- Max.load capacity is 3kg with platform
- Double LEDs for independent display of time and speed
- Speed range of 40-200rpm
- Wide range of platforms for use with a variety of vessels



Specifications	NEW 01-624X	NEW 01-623X	OLD 01-621X
Orbital diameter	10mm	4mm	20mm
Max. load capacity (with platform)	7.5kg	2.5kg	3kg
Motor type	Brushless DC motor	Brushless DC motor	DC motor
Motor input power	28W	28W	16W
Motor output power	15W	15W	10W
Speed range	100-500rpm	100-800rpm	40-200rpm
Speed display	LCD	LCD	LED
Timer display	LCD	LCD	LED
Time settings range	1min-19h59min	1min-19h59min	1min-19h59min
Voltage	100-240V,50/60Hz	100-240V,50/60Hz	100-240V,50/60Hz
Power	30W	30W	20W
Weight	13.5kg	8.1kg	3.1kg
Permissible ambient temperature and humidity	5-40°C, 80%RH	5-40°C, 80%RH	5-40°C,80%RH
Dimension[W×D×H]	370×420×100mm	300×340×100mm	270×330×110mm
Protection class	IP21	IP21	IP21
Data connector	RS232	RS232	-

X: 1-US plug , 3-CN plug, 4-Eur plug, 5-UK plug Old Models: Out of Production
Used with a wide variety of accessories which should be ordered

01-621XA

LED Digital Orbital Shaker UPDATED!

Features

- Electronic adjustment of speed and timer.
- Double LEDs for independent display of time and speed.
- Speed range of 40-200rpm.
- Fixed board face, max. load capacity is 2kg with platform.
- Continuous operation (endless).
- Electronic time switching clock: 1min-19h59min.
- Wide range of platforms for use with a variety of vessels.



Timer



Wide range of accessories



Specifications

NEW 01-621XA

Work plate dimension (W×D)	268x268mm
Orbital diameter	20mm
Max. load capacity (with platform)	2kg
Speed range	40-200rpm
Speed display	LED
Timer display	LED
Time settings range	1min-19h59min
Motor type	DC motor
Protection class	IP21
Voltage	100-240V, 50/60Hz
Power	20W
Motor input power	20W
Motor output power	16W
Dimension[W×D×H]	294x348x123mm
Weight	3.1kg
Permissible ambient temperature and humidity	5-40 °C ,80%RH

X: 1-US plug , 3-CN plug, 4-Eur plug, 5-UK plug Old Models: Out of Production
 Used with a wide variety of accessories which should be ordered



01-614X NEW

01-613X

LCD Digital Linear Shaker

Features

- Max. load capacity is 7.5kg(01-614X) and 2.5kg(01-613X) with platform
- Double LCDs for independent display of time and speed
- Wide range of platforms for use with a variety of vessels
- Maintenance- free brushless DC motor
- Over speed detection and protection



Timer



Wide range of accessories

01-611X OLD

LED Digital Linear Shaker

Features

- Max. load capacity is 3kg with platform
- Double LEDs for independent display of time and speed
- Speed range of 40-200 rpm
- Wide range of platforms for use with a variety of vessels





Specifications	NEW 01-614X	NEW 01-613X	OLD 01-611X
Amplitude	10mm	4mm	20mm
Max. load capacity (with platform)	7.5kg	2.5kg	3kg
Motor type	Brushless DC motor	Brushless DC motor	DC motor
Motor input power	28W	28W	16W
Motor output power	15W	15W	10W
Speed range	100-350rpm	100-350rpm	40-200rpm
Speed display	LCD	LCD	LED
Timer display	LCD	LCD	LED
Time settings range	1min-19h59min	1min-19h59min	1min-19h59min
Voltage	100-240V, 50/60Hz	100-240V, 50/60Hz	100-240V, 50/60Hz
Power	30W	30W	20W
Weight	13.5kg	8.1kg	3.1kg
Permissible ambient temperature and humidity	5-40°C, 80%RH	5-40°C, 80%RH	5-40°C, 80%RH
Dimension[W×D×H]	370×420×100mm	300×340×100mm	270×330×110mm
Protection class	IP21	IP21	IP21
Data connector	RS232	RS232	-

X: 1-US plug , 3-CN plug, 4-Eur plug, 5-UK plug Old Models: Out of Production
Used with a wide variety of accessories which should be ordered

Rocking and 3D shakers provide perfect solution in electrophoresis gel dyeing/dicoloration, sample washing, molecular hybridization, immunoprecipitation, Western blot and cell culture.

01-634X NEW
LCD Digital Rocking Shaker

Features

- Rocking motion angle 9°
- Max. load capacity is 10kg with platform
- Speed range of 10-70rpm
- Double LCDs for independent display of time and speed
- Wide range of platforms for use with a variety of vessels



Timer



Wide range of accessories

01-631X OLD
LED Digital Rocking shaker

Features

- Rocking motion angle 7°
- Max. load capacity is 3kg with platform
- Speed range of 10-80rpm
- Double LEDs for independent display of time and speed
- Wide range of platforms for use with a variety of vessels





Specifications

	NEW 01-634X	OLD 01-631X
Tilt angle	9°	7°
Max. load capacity (with platform)	10kg	3kg
Motor type	DC motor	DC motor
Motor input power	40W	16W
Motor output power	24W	10W
Speed range	10-70rpm	10-80rpm
Speed display	LCD	LED
Timer display	LCD	LED
Time settings range	1min-19h59min	1min-19h59min
Voltage	100-240V, 50/60Hz	100-240V, 50/60Hz
Power	50W	20W
Weight	9kg	3.2kg
Permissible ambient temperature and humidity	5-40°C, 80%RH	5-40°C, 80%RH
Dimension[W×D×H]	360×410×200mm	270×330×130mm
Protection class	IP21	IP21

X: 1-US plug , 3-CN plug, 4-Eur plug, 5-UK plug Old Models: Out of Production
 Used with a wide variety of accessories which should be ordered

01-654X NEW
LCD Digital 3D Shaker

Features

- Three-dimensional rocking motion with an angle of 9°
- Max. load capacity is 5kg with platform
- Speed range of 10-70rpm
- Double LCDs for independent display of time and speed
- Various of platform accessories



Timer



Wide range of accessories



01-641X OLD
LED Digital 3D Shaker

Features

- Three-dimensional rocking motion with the angle of 7°
- Max. load capacity is 3kg with platform
- Speed range of 10-80rpm
- Double LEDs for independent display of time and speed
- Various of platform accessories



Specifications	NEW 01-654X	OLD 01-641X
Tilt angle	9°	7°
Max. load capacity (with platform)	5kg	3kg
Motor type	DC motor	DC motor
Motor input power	40W	16W
Motor output power	24W	10W
Speed range	10-70rpm	10-80rpm
Speed display	LCD	LED
Timer display	LCD	LED
Time settings range	1min-19h59min	1min-19h59min
Voltage	100-240V, 50/60Hz	100-240V, 50/60Hz
Power	50W	20W
Weight	9kg	2.7kg
Permissible ambient temperature and humidity	5-40°C, 80%RH	5-40°C, 80%RH
Dimension[W×D×H]	360×430×106mm	270×330×130mm
Protection class	IP21	IP21
Data connector	-	-

X: 1-US plug , 3-CN plug, 4-Eur plug, 5-UK plug Old Models: Out of Production
 Used with a wide variety of accessories which should be ordered

Rocking and 3D Shakers

Shakers are suitable for mixing applications in many fields, including gel staining and destaining, washes, hybridizations, immunoprecipitation, Western blots, and more. These shakers provide rocking and 3D shaking movements.

Features

- Shaking speed range: 0 - 80 rpm
- Continuous operation
- Sturdy aluminum-alloy platform
- Compact design can easily fit inside incubators or refrigerators
- Tray platform, non-slip mat, and elastic bands included
- Various platforms available for use with different types of vessels



001-630X/1-640X

With non-slip mat



001-631X/1-641X

With non-slip mat

01-631X, 01-641X

LED Digital Rocking and 3D Shakers

01-631X and 01-641X are upgraded to include new features:

- Timed and continuous operation
- LED displays for timer and shaking speed

**All the normal shakers will soon be upgraded to the LED Digital shakers.*

Specifications

Catalogue No.	01-630X	01-640X	01-631X	01-641X
Voltage [VAC]	100-240	100-240	100-240	100-240
Frequency [Hz]	50/60	50/60	50/60	50/60
Power [W]	20	20	20	20
Motor type	DC motor	DC motor	DC motor	DC motor
Rocking motion	See-saw rocking	3D orbital	See-saw rocking	3D orbital
Tilt angle	7°	7°	7°	7°
Max. load capacity [kg, with platform]	3	3	3	3
Speed range [rpm]	0-80	0-80	10-80	10-80
Operation type	Continuous operation	Continuous operation	Continuous operation	Continuous operation
Dimensions [W × D × H, mm]	270 × 330 × 130	270 × 330 × 130	270 × 330 × 130	270 × 330 × 130
Weight [kg]	3.2	2.7	3.2	2.7
Permissible ambient temperature [°C]	5-40	5-40	5-40	5-40
Permissible relative humidity	80%	80%	80%	80%
Protection class according to DIN EN60529	IP21	IP21	IP21	IP21

01-700X

Thermal Cycler Gradient

01-710X

Thermal Cycler Standard

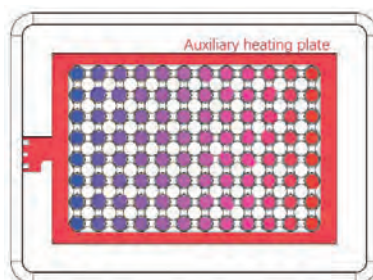
Thermal cycler is essential laboratory instrument in the field of molecular biology research such as sequencing, gene cloning, gene expression, mutagenesis applications and applied market like drug discovery, agriculture, food industry, etc.



Excellent temperature uniformity



Gradient function



Features

- High performance long life Peltier and independent control circuits for different heating segments implement accurate temperature control
- Auxiliary heating mechanism diminishes the "edge effect" and enhances the temperature uniformity
- Wide touchdown PCR temperature range (-9.9°C~+9.9°C) and Long PCR time range (-9min59s~+9min59s)
- Gradient temperature setting supported, optimizing temperature easily in the single run
- User friendly interface on 7 inch color touch screen enables you edit the program very simple
- The PCR touch screen pen improves the operation experience and reduces the cross contamination risk



More features

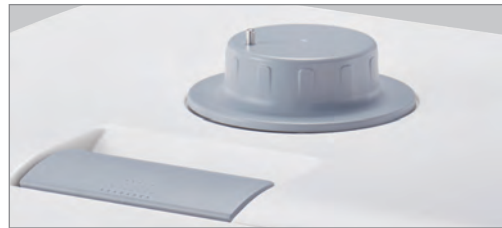
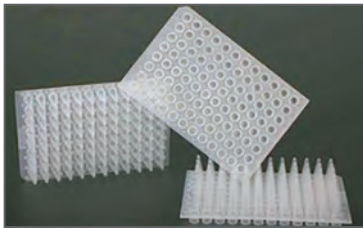
- Wide options of consumables common PCR tubes, 8-well PCR strips and 96-well PCR plates can be used
- File customization, multi-file storage
- Power-off protection function, automatic program recovery
- Hot lid auto-off function: If the module temperature is lower than 30°C, the hot lid function will automatically turn off



LCD touch panel



Excellent temperature accuracy



Specifications

Specifications	01-700X	01-710X
Sample Capacity	96X0.2mL PCR tube, 8X12 PCR plate or 96 well plate	96X0.2mL PCR tube, 8X12 PCR plate or 96 well plate
Heating Temperature Range°C	4~105	4~105
Lid Temperature Range°C	30~110	30~110
Temperature Display Accuracy°C	±0.1	±0.1
Temperature Display Accuracy@55	±0.3	±0.3
Temperature uniformity@55C	<0.3	<0.3
Max. Heating/Cooling Rate	5°C/Sec	5°C/Sec
Gradient Temperature Setting Range°C	30~99°C	-
Gradient Range°C	1~42°C	-
Adapter block material	Aluminum	Aluminum
Display	7" LCD 800x480	7" LCD 800x480
Input	Touch panel	Touch panel
User defined file system	Max. 30 segments 99 cycles max. 16 folder and 16 files each folder	Max. 30 segments 99 cycle max.16 folder and 16 files each folder
Power off protection	Yes	Yes
Power Supply	100~120V/200~240V,50/60Hz	100~120V/200~240V,50/60Hz
Dimension[WxDxH]	280x370x250 mm	280x370x250 mm
Weight	11kg	11kg

01-800X

Palm Micro Centrifuge

Features

- Fixed speed: 7000 rpm.
- Quick acceleration and deceleration.
- Rotors for microcentrifuge tubes, PCR tubes, and PCR 8-strip tubes included.
- Easily change rotors without tools.
- Quiet, low-noise design.



Quiet operation



Vibration free



CE FC



Specifications

Catalogue No.	01-800X
Max. speed [rpm]	7000
Max. RCF	2680 x g
Rotor Capacity	0.2/0.5/1.5/2.0mL×8; 0.2mL×32 PCR strips or 0.2mL×4 PCR 8 strips
Run Time	Continuous operation
Driving Motor	DC motor
Power	AC100-240V/50Hz/60Hz 20W
Noise level [dB]	≤45
Dimensions [D × W × H, mm]	160x170x122
Weight [kg]	0.5

Available rotors



01-8091

Max. speed:7000rpm
 Max. RCF:2680×g
 Rotor capacity:2mL/1.5mL×8,0.2mL×8,0.5mL×8
 Rotor material:High strength plastic
 Available rotor adapters:SA02P2, SA05P2



01-8092

Max. speed:7000rpm
 Max. RCF:2680×g
 Rotor capacity: 0.2 ml×32 PCR strips,
 0.2 ml×4 PCR 8 strips
 Rotor material: High strength plastic

Available adapters



01-8093

0.2mL rotor adapter
 Used with A08-2 rotor
 8pcs/pk



01-8094

0.5mL rotor adapter
 Used with A08-2 rotor
 8pcs/pk

01-821X

High Speed Mini Centrifuge



Brushless DC motor



LCD display



CE FC

Specifications

D2012 plus

Max. Speed	15000rpm(500-15000rpm), increment: 100rpm
Max. RCF	15100×g, increment: 100×g
Speed Accuracy	±20rpm
Rotor Capacity	0.2mL/0.5mL/1.5mL/2mL×12
Run Time	30sec-99min/Continuous
Acceleration /Braking time	11s↑ /9s↓
Driving Motor	Brushless DC motor
Safety Devices	Door interlock, Over-speed detection, Over-temperature detection, Automatic internal diagnosis
Power	Single-phase, AC100V-240V, 50Hz/60Hz, 3A 100W
Noise level	≤54dB
Dimension[D×W×H]	255×245×140mm
Weight	6kg
Certification	EMC, CE, FCC, ICES, cTUVus, CB
Other functions	Speed/RCF switch, Short-time run function, sound-alert function

Features

- Speed up to 15000rpm (15100×g)
- Brushless DC motor drive quickly to the target speed
- Quiet working, Low noise ≤54dB
- Plus is proven by IEC/EN 61010-1
- Plus passed the rigorous explosion-proof test according to IEC/ E/V 61010-2-20. It is certified with CE, cTUVus, FCC

Available rotors



01-8291

for D2012plus only

Max. speed:15000rpm

Max. RCF:15100×g

Rotor capacity:2mL/1.5mL×12,0.2mL×12,0.5mL×12

Rotor material:High strength plastic

Available rotor adapters:A02P2,A05P2

Available adapters



01-8293

0.2mL rotor adapter

Used with A12-2, A12-2P, AS24-2 and A24-2P rotors 24 pcs/pk

01-8294

0.5mL rotor adapter

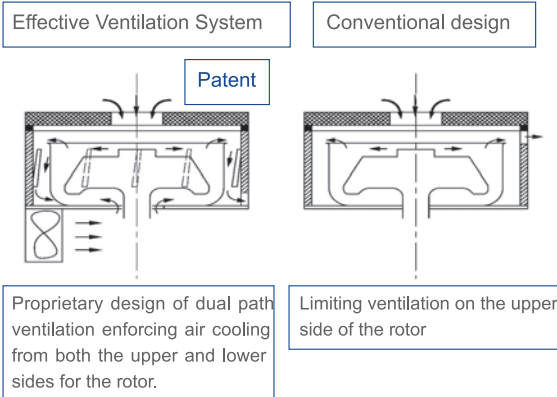
Used with A12-2,A12-2P, AS24-2 and A24-2P rotors 24 pcs/pk

01-830X

High Speed Micro Centrifuge

Unique Features

- Patent multi-flow air cooling design to provide air exchange to prevent chamber warming
- Three-layer seal ensures airtightness and biosafety
- High strength aluminum alloy rotor can be fully autoclaved for unlimited service life
- Four rotors are optional complete with 24 places 1.5/2.0mL tubes, bigger 5.0mL, smaller 0.2mL and 0.5mL tubes with adapters



Brushless DC motor



Wide range of rotors



Specifications

01-830X

Max. Speed	15000rpm(200-15000rpm), increment:10rpm
Max. RCF	21380×g, increment:10×g
Speed Accuracy	±20 rpm
Rotor Capacity	5mL×18, 5mL culture tubex12 0.2mL/0.5mL/1.5mL/ 2mL×24, 0.5mL×36, PCR8×4
Run Time	30sec-99min/Continuous
Acceleration /Braking time [Sec]	25s ↑ 25s ↓
Motor	Brushless DC motor
Safety Devices	Dual door interlock, Over-speed detection, Automatic internal diagnosis
Power	Single-phase, AC200V-400V, 50Hz/60Hz, 5A, AC100V-120V, 50Hz/60Hz, 8A 200W
Noise Level	≤64dB
Dimension[W×D×H]	280×364×266mm
Weight	12kg
Certification	CE cTUVus FCC MCA
Other functions	Speed/RCF switch; Short-time run function; sound-alert function

01-832X

High-speed Refrigerated Micro Centrifuge

Features

- Ergonomic electronic lock design the centrifuge lid can be closed with single finger touch
- Precooling, the compressor will automatically start cooling as long as the set temperature is lower than the ambient temperature.
- Sound indicator to prompt that the upper cover is closed to maintain the temperature inside the chamber, after centrifugation.
- Advanced R290 fluorine free refrigerant, low carbon and environmental protection.
- Temp range:-20°C- 40°C, fast and powerful cooling capacity, 7 minutes cooling from room temp to 4°C. Temp can be kept at max speed.
- Up to 9 program storage capacity according to experimental needs.
- Three-layer sealed rotors ensure airtightness and biosafety.
- High-strength aluminum alloy withstand numerous high temperature and high pressure sterilizations.
- Five rotors with 0.2mL, 0.5mL, 1.5mL, 2mL and 5mL centrifuge tubes/ PCR tubes capacity.
- An external condensation tank prevents water accumulation within the centrifuge chamber.
- Rotor imbalance detection alarm.



Specifications

	01-832X
Max. Speed	15,000rpm (200-15,000rpm) in 100rpm increments.
Max. RCF	21,380×g, step: 10×g
Capacity	1.5/2mL×24, 0.5mL×36, PCR8×4, 5mL×12, 5mL×18.
Temperature setting	-20°C- 40°C
Run Time	30s-99 min; HOLD (continuous running)
Acceleration and deceleration time	25s↑ 25s↓
Motor Type	DC brushless motor
Safety Performance	Dual door lock, over-speed detection, over-temperature detection with Internal diagnosis system.
Power Requirements	Single-phase, 200V-240V, 50Hz/60Hz, 500W 100V-120V, 50Hz/60Hz, 500W
Noise	≤56dB
Dimensions(mm)	332(Width) × 553(depth) × 283(height)
Weight	30kg
Other functions	Rotation speed/RCF switchover, inching operation, running process indicator, sound alert. Acceleration/ deceleration in 9 steps, program storage capacity.



Rotors are manufactured from military-industrial grade aluminum alloy with high mechanical strength for precise running and safety (excludes D2012 plus rotor)

- Every rotor can reach a max. speed of 15000rpm
- Rotors are seated on a tapered shaft, concentric and self-aligning, perfect to achieve running stability at high speeds
- 01-832X with three-layer sealed rotors/ anti- sample overflow prevents accidental leakage and risk free centrifugal process
- microbial contamination. 01-831X rotors have passed MCA test according to IEC/EN61010-2-20, including mechanical safety and bio-safety tests
- High strength aluminum alloy rotors are fully autoclavable and provide unlimited service life (01-821X rotor not included)
- Powerful cooling system minimizes rotor heating.

Rotor Features

Fully autoclavable

High strength aluminum alloy rotors are fully autoclavable, withstanding steam sterilizing at 121°C for 20 minutes, with unlimited service life.

Three-layer seal

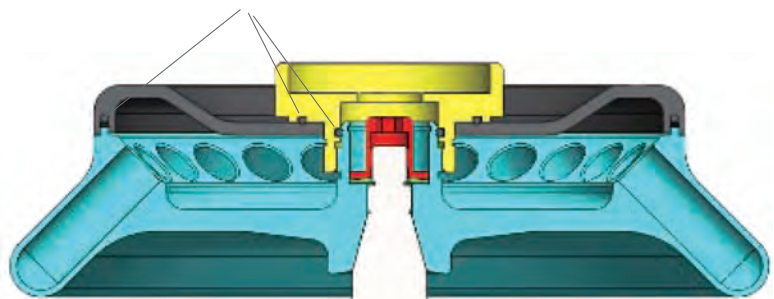
Aspired to be the top-of-the-line model, 01-831X rotors are designed to prevent sample leakage. Each and every rotor is hermetically sealed by three rubber seals.

Mechanical safety

Centrifuges are constructed under MCA conditions according to IEC/EN61010-2-20, causing disruption by partially cutting and overloading rotor assembly, and guarantee that no part shall be detached to cause danger to person or the environment.

Seals within the aluminum alloy rotor

Three rubber seals fitted to achieve bio-safe condition



Available rotors



01-8393

for 01-832X

Max. speed:15000rpm
 Max. RCF21380×g
 Rotor capacity: 2mL/1.5mL×24/0.2mL×24/0.5mL×24
 Rotor material:Aluminum alloy
 Bio-safe(Bio sealing): Yes
 Available rotor adapters:01-8293,01-8294



01-8392

for 01-832X

Max. speed:15000rpm
 Max. RCF21380×g
 Rotor capacity:5mL×12(Cone bottom)
 Rotor material:Aluminum alloy
 Bio-safe(Bio sealing): Yes



01-8394

for 01-832X

Max. speed:15000rpm
 Max. RCF21380×g
 Rotor capacity:0.5mL×36,0.2mL×36
 Rotor material:Aluminum alloy
 Bio-safe(Bio sealing): Yes
 Available rotor adapters:01-8396



01-8395

for 01-832X

Max. speed:15000rpm
 Max. RCF21380×g
 Rotor capacity0.2mL/PCR8×4
 Rotor material:Aluminum alloy
 Bio-safe(Bio sealing): Yes



01-8391
for 01-832X

Max. speed 15000rpm
Max. RCF21380×g
Rotor capacity 5mL×18 (Round bottom)
Rotor material Aluminum alloy
Bio-safe(Bio sealing):Yes

Available adapters



01-8293

0.2mL rotor adapter
Used with A12-2, A12-2P, AS24-2 and A24-2P rotors
24pcs/pk



01-8294

0.5mL rotor adapter
Used with A12-2, A12-2P, AS24-2 and A24-2P rotors
24pcs/pk



01-8396

0.2mL rotor adapter
Used with AS36-05 rotor
36pcs/pk

Model	Rotor model	Capacity	Hole diameter(mm)	Hole depth (mm)	Max. tube length (mm)
D2012plus	01-8291	2×12	11.2	39	47
	01-8393	2×24	11.2	40.5	54.2
D3024 D1524R	01-8394	0.5×36	8.2	29.3	36
	01-8395	0.2×32	6.5	20.4	36
	01-8391	5×18	13.7	39	56.5
	01-8392	5×12	17.5	44	56.5

01-880X Low-speed Centrifuge

Biologix 01-880X low-speed centrifuge, supplied with built in fixed angle rotor A6-15P which can hold up to 15mL/10mL/7mL/5mL×6 tubes. It is widely used for blood or urine separation in medical routine practice in hospitals, clinics or research institutes.

Features

- Speed range from 300-5000rpm;
- Rotor speed can be set and displayed by RPM or G-force;
- Defined program by knob will be stored and activated when power on;
- Two programs P1/P2, easy to start the procedure by one key;
- Two deceleration speeds setting to meet different requirements;
- Easy-to-read processing display and sound alert;
- Automatic lid-lock release after running;
- Maintenance-free brushless DC motor.



Specifications

Catalogue No.	01-880X
Speed Range	300-5000rpm, increment:10rpm
Max. RCF	2350xg, increment: 10g
Speed accuracy	±20rpm
Rotor capacity	6x15mL/10mL/7mL/1.5-5ml
Run Time	30sec-99min, HD(continuous running)
Display	LCD
Programs Memory	2
Acceleration/Deceleration	1 ↑ 2 ↓
Safety Devices	Door interlock, Overspeed detector, Automatic internal diagnosis
Motor	Brushless DC motor
Power	Single-phase, 100V-240V, 50Hz/60Hz, 70W
Dimension(WxDxH)	300X240X180mm
Weight	5.2kg

Advanced features Speed/RCF switch; sound-alert function



Cat. No. 01-8698

5ml adapter, Adapted to 13×75mm blood collection tube



Cat. No. 01-8699

1.5/2ml Cryogenic Vials/ centrifuge tubes adapter



01-910X Dry Bath Incubator



Features

- A wide range of temperature control up to 120°C.
- Timer control up to 99+ hours.
- Various types of optional blocks are available.
- Overheating protection.
- Lid for protection and heat preservation.

Specifications

Catalogue No.	01-910X
Functions	Heating
Temperature range	Room temp.-120°C
Temperature setting range	15°C~120°C
Temperature control accuracy [at 37°C]	± 0.5°C
Temperature uniformity	± 0.5°C
Temperature display	LED
Control accuracy [°C]	± 0.5
Max. heating rate	5.5°C/min
Overheating protection	140°C
Timer	0min-99h59min
Display	LED
Adapter block material	aluminum
Voltage, Frequency	100-120V/220-240V, 50Hz/60Hz
Power	160W
Dimension[W×D×H]	175 x 290 x 85mm
Weight	3kg

Block specifications

Catalogue No.	Capacity (tubes)	Well diameter / Well depth [mm]
Standard:01-9191 Thin:01-9181	0.2mL x 54	6.4 / 15
Standard: 01-9192 Thin:01-9182	0.5mL x 40	8.2 / 26.4
Standard: 01-9198(1.5mL) 01-9193(2mL) Thin: 01-9188(1.5mL) 01-9183(2mL)	1.5/2mL x 40	11 / 34.7
Standard:01-9194	5/15mL x 28	17 / 48
Standard:01-9195	50mL x 8	29.8 / 48
Standard:01-9196 Thin:01-9186	0.2mL x 18 + 0.5mL x 18 + 1.5/2mL x 18	-
Standard:01-9197 Thin:01-9187	96- or 384-well plate	-
Thin:01-9184	8 PCR strips and 96 PCR microplate	-
01-9597	Two-in-one block, bead bath/water bath	-



01-920X

Thermo control with cooling

Features

- Precise temperature control for heating and cooling
- Flexible adapter selection
- Programmable
- Compatible with various tubes
- Quick interchange of blocks with magnet adhesion technology without any tools
- Block equipped with a lid for heat preservation
- Three-point temperature calibration

Cat.No.	Blocks	Speed	Capacity	Diameter x Depth
01-9291A		1500rpm	24x0.5mL	8.1x26mm
01-9292A		1500rpm	24x1.5mL	10.9x30.8mm
01-9293A		1500rpm	24x2mL	10.9x30.8mm
01-9294A		1500rpm	8x5mL (round bottom)	13.6x42mm
01-9294B		1400rpm	8x5mL (cone bottom)	17x51.5mm
01-9295A		800rpm	8x15mL	16.9x80mm
01-9296A		600rpm	4x50mL	29.6x80mm
01-9297A		1500rpm	0.2mLx96 PCR plate	-
01-9298A		1500rpm	microplate	-

Excellent temperature accuracy

Programmable

Block self recognition



Specifications

Functions	01-920X
Temperature range	Heating & cooling
Temperature setting range specifications	Heating: room temp. - 110°C
Temperature control accuracy[@20-45°C]	Cooling: room temp. - below room temp. 25°C
Temperature uniformity[@20-45°C]	-5~110°C
Max. heating rate	± 0.5°C
Max. cooling rate	± 0.5°C
Time setting range	5.5°C/min
Program	2.5°C/min (100°C-room temp.)
Overheating protection	0.5°C/min (below room temp.)
Display	0~99h30min
Adapter block material	9
Voltage, Frequency	150°C
Power	TFT
Dimension[WxDxH] (without the heating block)	aluminum
Weight	100-240V,50/60Hz
	200W
	200x235x120mm
	7.3kg

01-930X Shaker Incubator

Allow for precise and efficient heating cooling and mixing, as well as excellent temperature accuracy and uniformity, compatible for a wide range of applications, such as gene synthesis, gene purification, gene and protein denaturation, enzymatic reaction, bacterial growth, etc.

Features

- Excellent mixing result.
- Stable and wide range of speed adjustment.
- Precise temperature control for heating and cooling.
- Flexible adapter selection.
- Programmable.
- Compatible with various tubes.
- Quick interchange of blocks with magnet adhesion. Technology without any tools.
- Block equipped with a lid for heat preservation.
- Three-point temperature calibration.



Specifications

Catalogue No.	01-930X
Functions	Heating, cooling, & mixing
Temperature range	Heating: room temp. - 100°C Cooling: room temp. - below room temp. 15°C
Temperature setting range specifications	0.1~100°C
Temperature control accuracy[@ 20~45°C]	± 0.5°C
Temperature uniformity[@ 20~45°C]	± 0.5°C
Max. heating rate	5.5°C/min
Max. cooling rate	5°C /min(100°C-room temp.) 0.5°C/min(below room temp.)
Mixing frequency	200-1500rpm
Mixing orbit	3mm
Time setting range	0~99h30min
Program	9
Overheating protection	150°C
Display	TFT
Adapter block material	aluminum
Voltage, Frequency	100-240V,50/60Hz
Power	200W
Dimension[W×D×H] (without the heating block)	200×235×120mm
Weight	7.3kg

Elite Series Dry Bath Incubators

The Elite Series Dry Bath Incubators feature digital microprocessor control, user temperature calibration, and user-friendly design. One-block and dual-block types are available.

Features

- PID temperature control maintains temperature accuracy
- Leak-proof molded aluminum alloy chamber with PTFE coating
- Multi-functional: can also be used as a water bath or bead bath
- Various interchangeable heating blocks available



03-4221
One Block Unit



03-4222
Dual Block Unit

Dry Bath Blocks

These precisely machined aluminum alloy dry bath blocks deliver efficient heat transfer and are suitable for use with tubes ranging from 0.2 to 50 mL.



03-5002



03-5005



03-5015



03-5029



03-5017

Specifications

Catalogue No.	03-4221	03-4222
Display	LCD Display	
Temperature Control Range [°C]	5 above ambient to 150	
Temperature Increment [°C]	0.10	
Temperature Accuracy at 37°C [°C]	± 0.20	
Operation modes	continuous or timed up to 99 hr:59 min	

Dry Bath Blocks	Capacity
03-5002	0.2mL tubes x 64 or PCR 8-strip tubes x 8
03-5005	0.5mL tubes x 20
03-5015	1.5mL or 2.0mL tubes x 20
03-5017	15mL centrifuge tubes x 12
03-5029	50mL centrifuge tubes x 4



01-900X/01-9A0X 01-950X/01-960X

Dry bath

Features

- A wide range of temperature control up to 105°C/150°C.
- Overheating protection.
- Sound reminder function.
- External temperature sensor PT1000
- Block equipped with a lid for heat preservation and prevent pollution.
- Knob adjustment is easy to operate.

Cat.No.	Block types	Capacity	Diameter Depth
01-9591		0.2mL×30	6.4×15mm
01-9093		1.5ml×20	11×34.7mm
01-9094		2mL×20	11×34.7mm
01-9596		Two-in-one block, bead bath/water bath Adapt to S1	
01-9597		Two-in-one block, bead bath/water bath Adapt to S2	
01-9598	Aluminum beads		



Specifications

	01-900X	01-9A0X	01-950X	01-960X
Temperature range[C]	Room temp+5~105	Room temp+5~105	Room temp+5~150	Room temp+5~150
Temperature setting range [°C]	25~105	25~105	25~150	25~150
Temperature control accuracy[°C]	25-90: ±0.3 90-105: ±0.6	25-90: ±0.3 90-105: ±0.6	25-90: ±0.3 90-150: ±0.6	25-90: ±0.3 90-150: ±0.6
Temperature uniformity@37°C [°C]	±0.2	±0.2	±0.2	±0.2
Power [w]	100	200	100	200
Time setting range	0~99h59min	0~99h59min	0~99h59min	0~99h59min
External sensor	Yes	Yes	Yes	Yes
Display	LED	LED	LED	LED
Power supply	110/220V, 50/60Hz	110/220V, 50/60Hz	110/220V, 50/60Hz	110/220V, 50/60Hz
External dimension[mm]	290x210x120	290x210x120	290x210x120	290x210x120
Weight[kg]	3.2	3.2	3.2	3.2
Operating temperature[°C]	+10~40	+10~40	+10~40	+10~40
Operating humidity [% RH]	<80	<80	<80	<80

Mini Dry bath is portable, compact and convenient. It is useful for rapid and uniform heating of biological samples, in applications like preservation and denaturation of nucleic acids and proteins, etc.



Cat.NO.	Block types	Capacity	Diameter x depth
01-9791		0.2ml×40	6.4×20 mm
01-9792		0.5ml×24	8.2×28.4mm
01-9793		1.5mL×15	11.2×31mm
01-9794		2ml×15	11×31mm
01-9795		5mL×6	17×31mm
01-9796		15ml×4	16.4×45mm
01-9797		50ml×2	29×45mm

01-970X
01-980X
01-990X
 Dry Bath
Features

- Light in weight
- LCD display of both temperature and time.
- Rapid calibration support
- Overheating protection
- Optional blocks with different capacities are available
- Safe and stable
- USB interface to save the data
- Mini HCL100 with hot lid provided to preserve the generated heat

Specifications

	01-970X	01-980X	01-990X
Temperature setting range[°C]	0-100	0-100	25-100
Temperature range [°C]	Room temperature-23~100	Room temperature-23~100	Room temperature+5~100
Temperature control accuracy[°C]	±0.5	±0.5	±0.5
Temperature display accuracy[°C]	0.1	0.1	0.1
Minimum time taken for heating(25°C-100°C)	≤20min	≤20min	≤20min
Minimum time for cooling (20°C-0°C)	≤25min	≤25min	/
Max. Heating Rate	8°C /min	8°C /min	6.5°C /min
Max. Cooling Rate	3°C /min	3°C /min	/
Time setting range	0-999min/0-999sec	0-999min/0-999sec	0-999min/0-999sec
Display	LCD	LCD	LCD
No. of programs in memory	9(2steps for each)	9 (2steps for each)	9(2steps for each)
Rapid calibration	Support	Support	Support
USB interface	Support	Support	Support
Error code reminder	Support	Support	Support
External dimension [mm]	110x162x140	110x162x140	110x162x140
Overall weight [kg]	≤1	≤1	≤1
Power supply	DC12V,100-240V, 50/60Hz	DC12V,100-240V, 50/60Hz	DC12V,100-240V, 50/60Hz
Power[w]	60	60	60
Operating temperature[°C]	+10-40	+10-40	+10-40
Operating humidity [% RH]	≤80	≤80	≤80

These Power Supplies are ideal for a variety of DNA, RNA, and protein electrophoresis, as well as blotting.

Features

- No Load detect, leakage detect, over temperature protection, over load detection, sudden load change detection, shrouded plugs and sockets
- Universal rated voltage 100V-240V for worldwide distributions
- 2.4" TFT-LCD colored screen shows all parameters during operation
- It can operate with a fully programmable mode
- Compact size and lightweight

03-2310

300V Power Supply



03-1300

Mini 300V Power Supply

Specifications

Catalogue No.	03-1300	03-2310
Display	LED	2.4" TFT
Output Voltage / Inc [V]	10 - 300 / 1	5 - 300V / 1V
Output Current / Inc [mA]	10 - 400 / 1	1 - 700mA / 1mA
Output Power [W]	60	150
Output Type	Constant voltage / current	Voltage or Current with automatic crossover
Timer	1-999 minutes with alarm, continuous	1-999 minutes with alarm, continuous
Rated Voltage [V]	100 - 240	100 - 240

03-3070 , 03-3100

Electrophoresis Tanks

These electrophoresis tanks are widely used in fields including microbiology, biochemistry, and more. Their unique design makes use simple and samples easy to load. Two sizes are available.

Features

- Injection molded, leak-proof tank
- Convenient operation
- No tapes, clamps, or springs required
- Low buffer consumption
- Multiple tray sizes and combs available

03-3070

Gel Dimensions:
70 x 70mm, 70 x 100mm



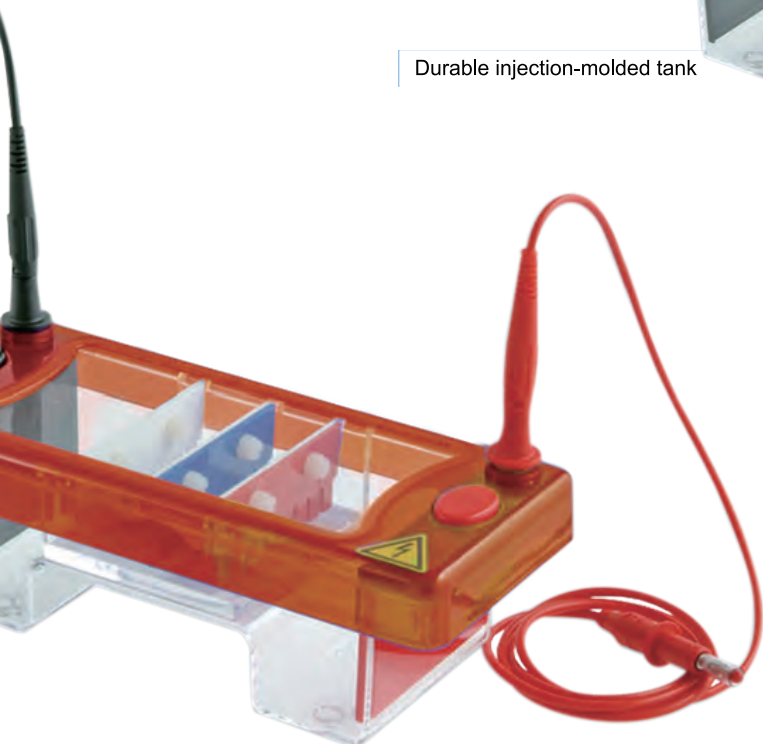
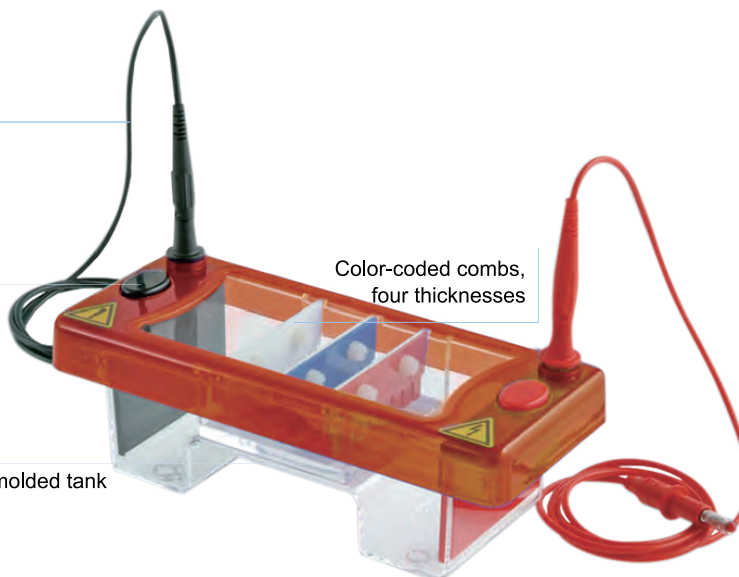
03-3100

Gel Dimensions:
100 x 70mm, 100 x 100mm

Easy lid removal

Color-coded combs,
four thicknesses

Durable injection-molded tank



Specifications

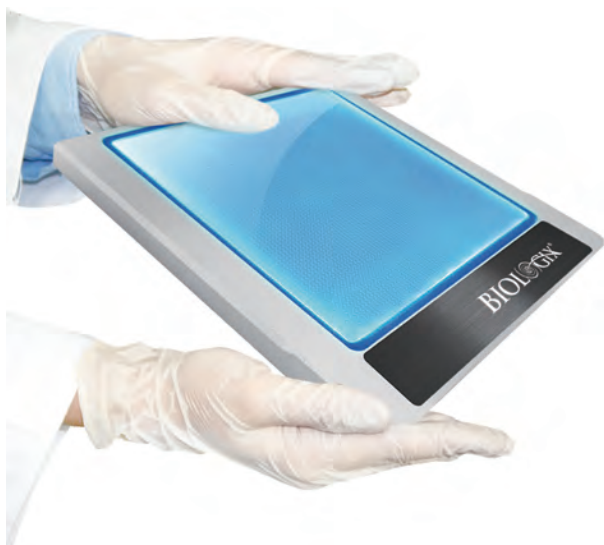
Catalogue No.	03-3070	03-3100
Unit Dimensions [W x L x H, mm]	210 x 90 x 90	220 x 125 x 90
Gel Dimensions [W x L, mm]	70 x 70 70 x 100	100 x 70 100 x 100
Max. Sample Capacity	32 for 70 x 70mm 64 for 70 x 100mm	50 for 100 x 70mm 100 for 100 x 100mm
Rapid Casting Gel	Use gel maker stand	

03-6210

BluView Transilluminator

The BluView Transilluminator provides an outstanding gel viewing experience, utilizing a safe blue light that will not degrade or damage samples or pose a hazard to users.

- Aluminum alloy casing design
- Low heat dispersion
- Energy saving product
- 470nm harmless blue light for direct human contact
- Separated filters
- Thinner and more lightweight body
- Use accessories to document experiment results by a smart phone



Specifications

Catalogue No.	03-6210
Blue Light Wavelength [nm]	470
Illuminator Base Design	Flat bed
Construction Material	Aluminum alloy
Dimensions [W x L x H, mm]	200 x 200 x 13.9
Weight [g]	760
Power Adaptor	12VDC/5A, 60W Max.
Filter Viewing Surface Dimensions [mm]	153x153

01-420X

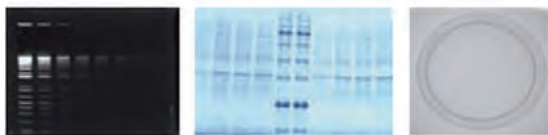
The GelSMART gel imaging system can be used for qualitative analysis of nucleic acid and protein in purification and /or separation application, or colony counting application.

Functions & Applications

GelSMART facilitates fast access to acquire high-quality images of electrophoresis gel or transfer membrane for analysis using smartphone/ tablet. With epi-blue instead of ultraviolet light source, GelSMART is able to safely and efficiently visualize stained DNA signals after gel electrophoresis.

In addition, Coomassie blue stained SDS-PAGE and colony dishes can be observed with the light plate mounted on the GelSMART.

Optionally you can control the complete imaging system via an app on your smartphone or tablet.



ECO Safe staining

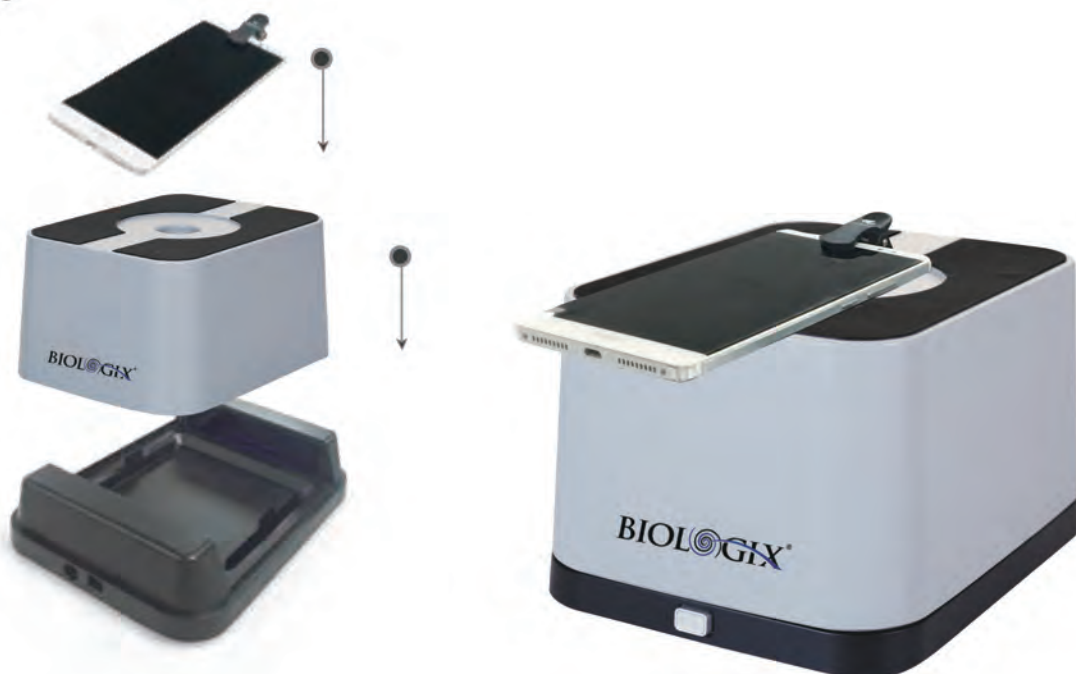
Coomassie blue stained SDS-PAGE

colony dish image

Features

- Compact foot print with a field of 10×10cm
- Simple operation of experiments and quick acquisition of results
- Epi-blue light diminishes UV exposure to lab personnel and DNA damage in the sample
- Adjustable epi-blue light source emits light with high intensity and minimum heat for better light control
- Filter holders can accommodate most popular smartphones/tablets
- Optional light-weight app

Simple assemble



X: 1-US plug 4-Eur plug 5-UK plug

Applications:



Observe and cut gels safe and sound with the amber filter shield



Specifications

01-420X

Light Source	470nm epi blue light
White Light Plate	Yes
Filter Protective Shield	Amber, using when observing or cutting gels
Viewing Area	10 x 10cm
Compatible Dye	DNA: ECO Safe, SYBR Safe, GelGreen ProteinLightning Red, Silver/ Coomassie blue, SYPRO Ruby
Light Source (L x W x H)	216 x 168 x 54 mm
Light Source Cover (L x W x H)	211 x 161 x 108 mm
Total Size (L x W x H)	216 x 168 x 128 mm
Weight	1.2 Kg
Power Supply	12V / 1.5A AC power adapter
Optional app	for Android 4.4 and above or iOS9.0 and above

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