

BIOL**GLX**[®]



BIOLOGIX INSTRUMENTS



Biologix Group Ltd was founded in the USA in the year 2000 and has since been committed to the design and manufacture of high quality, reasonably-priced scientific and biomedical supplies. Throughout its long company history, Biologix has excelled at providing top quality laboratory supplies to distributors at unbeatable prices. Time and time again, after consistently delivering on this promise and expectation, its customers have positioned Biologix among the top manufacturers of laboratory supplies in the world.

Most products manufactured in our FDA registered facilities are certified sterile, DNase and RNase free, and non-pyrogenic using the highest quality, international famous medical-grade plastic materials. Some of the world's top laboratory supplies, in vitro diagnostic kits, and medical devices are also produced as OEM and/or Private Labeled products.

Biologix Group Ltd strives to provide its customers with just what they are looking for by engaging in market research and participating in continuous new product development. Your product needs and demands are important to us, and our new product development system is designed to better support your needs as our customer. Our focus is on building long term relationships, allowing us to gain a better understanding of the knowledge and experience you need to be successful in your market.

With 16 years of know-how, we have developed a focus on meticulous control, constant improvement and innovation, as well as setting standards of excellence in our industry. We are proud to serve thousands of laboratories across the United States, as well as hundreds of distributors around the world.



Biologix Products

Biologix Consumables

Liquid Handling	Cryogenics
Cell Culture	PCR
Microbiology	Histology
Drosophila	Other

For more information about Biologix laboratory consumables, please refer to our consumables catalog.



CryoKING Cryogenic Products

CryoKING Cryogenic Vials
 CryoKING Cryogenic Boxes
 CryoKING Combo
 CryoKING Freezer Racks
 CryoKING Scanner & Software
 CryoKING Biobanking Management Software

For more information about CryoKING products, please refer to the CryoKING catalog.

Biologix Instruments

Liquid Handling
 Stirrers
 Mixers, Rotators, & Shakers
 Thermocyclers
 Centrifuges
 Dry Bath Incubators
 Electrophoresis
 Transilluminators

Private Label and OEM

Biologix also operates as an OEM provider for plastic laboratory consumables. Through our in-house molding and tooling capabilities, we can provide the exact products needed by our customers at significantly lower costs than other companies can achieve. Biologix currently supplies some of the world's top distributors with its OEM products.

Additionally, Biologix offers a Private Labeling Program, providing high quality, branded lab supplies at very competitive prices. Many Biologix products are currently private labeled and sold worldwide by some of the most prominent brands and distributors.

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Certifications





Liquid Handling

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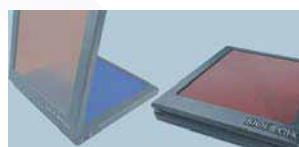
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- 01-241X (0.5-10µL)**
- 01-242X (5-50µL)**
- 01-243X (30-300µL)**
- 01-244X (100-1000µL)**

dPette Digital Pipette

The dPette Digital Pipette combines the familiar function of a mechanical pipette with the advantages of an electronic pipette, enabling fast, precise, and comfortable pipetting. (Single-channel models are available now; multiple channel models coming soon.)

Why do we need a Digital Pipette?

- Familiar shape and simple operation make use easy to learn.
- Ergonomic design and motor-powered function reduce muscle strain from repetitive use.
- Digital functions improve accuracy and precision.

NEW



Features

- Easy-to-use display and interface
- Comprehensive range of liquid handling protocols
- Three aspiration/dispensing speeds
- Motor-drive with built-in error control
- Efficient lithium-ion rechargeable battery
- Autoclavable lower barrel

Stands

dPette Digital Pipettes can be charged with a 1-place charging stand, a 5-place charging stand, or directly through the charging cable. (Charging stands sold separately.)

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

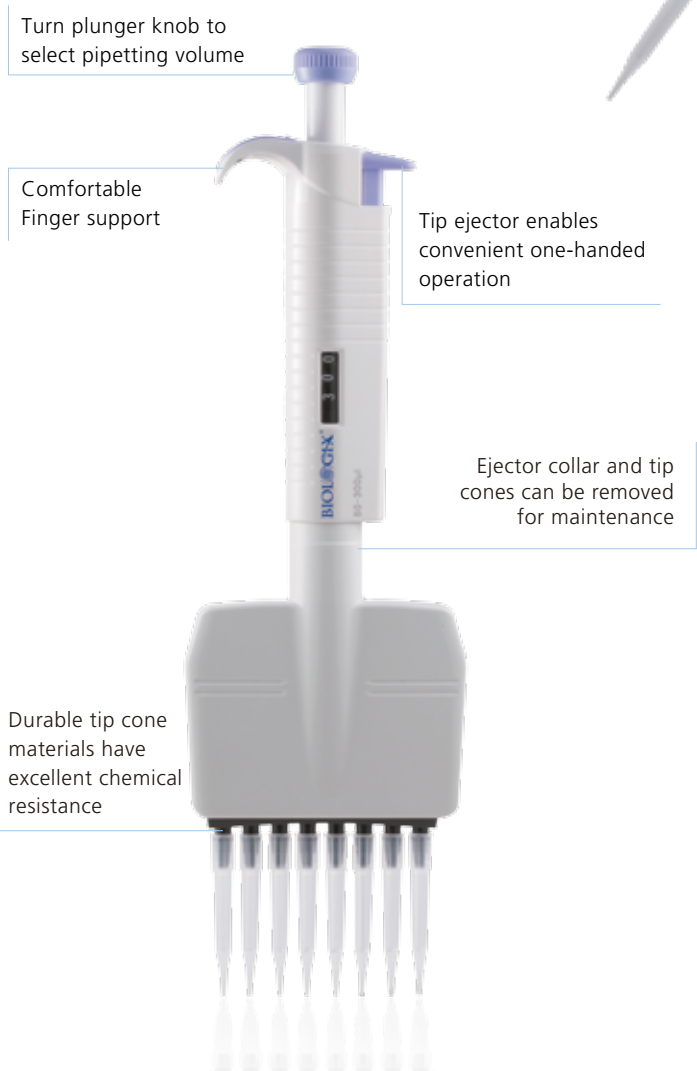
MicroPette Plus Pipettes Single-Channel

- 01-2101 (0.5-10 µL)**
- 01-2104 (10-100 µL)**
- 01-2102 (20-200 µL)**
- 01-2110 (100-1000 µL)**

MicroPette Plus mechanical pipettes are the ideal adjustable volume pipettes for all of your basic pipetting needs; both single-channel and 8-channel types are available. They are calibrated in accordance with ISO 8655, and each pipette includes its own individual test certificate. MicroPette pipette stands are also available (sold separately).

Features

- Ergonomic design for comfortable extended use
- Easy-to-read display
- Fully mechanical function
- Convenient one-handed operation
- Easy to calibrate and maintain with included tool
- Individual piston and tip cone assemblies allow for easy repair and maintenance
- Fully autoclavable
- Compatible with most standard pipette tips



Pipette Stand (01-2306)
Holds up to six single- or multi-channel pipettes

8-Channel

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

- Efficiently pipette eight samples at once
- Great for use with standard 96-well plates
- Dispensing head rotates 360° for optimal pipetting convenience

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

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%	0.125
			1	4.00%	0.04	4.00%	0.04
01-2805	5-50	0.5	50	1.00%	0.5	0.50%	0.25
			25	1.50%	0.375	1.00%	0.25
			5	3.00%	0.15	2.00%	0.1
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

NEW

The Levo ME Pipette Filler has improved ergonomics and streamlined function for a more convenient pipetting experience.

Features

- Ergonomic shape and intuitive operation
- Pressure-sensitive buttons: increasing pressure increases aspiration/dispensing speed
- Autoclavable hydrophobic filter prevents over-aspiration
- Rechargeable, long-lasting battery
- LED light indicates aspiration/dispensing, charging, and low battery
- Compatible with almost all standard glass or plastic pipettes



Specifications

Catalogue No.	01-221X
Aspiration Speeds	aspirates 25mL of water in < 8 seconds
Dispensing Speeds	gravity dispensing
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

01-220X Levo Plus Pipette Filler

The Levo Plus pipette filler efficiently aspirates and dispenses liquids, its powerful motor filling a 25 mL pipette in less than 5 seconds. It is compatible with most standard glass and plastic pipettes with volumes ranging from 0.1 - 100 mL.

Features

- Lightweight, ergonomic design
- Convenient one-handed operation
- Eight aspiration and dispensing speeds
- LCD display shows speed settings and remaining battery life
- Efficient lithium-ion battery can last for up to 8 hours of intermittent use
- Replaceable hydrophobic 0.45 µm filter
- Integral, autoclavable silicone adapter suits use with 0.1 - 100 mL pipettes
- Can be used while charging



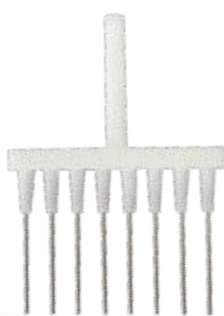
Specifications

Aspiration Speeds	8
Dispensing Speeds	8
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

NEW

**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.	
Vacuum range [mbar]	0 - 600 (adjustable)
Pump flow rate [L/min, air] (rated value)	
Liquid aspiration rate (mL/s)	
Dimensions [W × D × H mm]	180 × 240 × 450
Weight [kg]	
Input voltage	100-240 VAC, 50/60 Hz
Bottle Volume [L]	

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 bottle, tubing, and nozzles
- Sturdy, detachable handle for convenient transportation of waste collection bottle
- Single-channel and multi-channel nozzles and other accessory options available



01-330X Classic Magnetic Stirrer

NEW

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

- High performance brushless DC motor
- Powerful rare-earth permanent magnet
- Stepless speed regulation from 300-2000rpm
- Very quiet, low-vibration design
- PET stirring plate provides excellent chemical resistance
- Stand included

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



Its high performance brushless DC motor driver, coupled with a powerful rare-earth permanent magnet, can drive a 35mm stir bar to 2000rpm in 1.5L of water.



Light, low-profile design stabilized by rubberized feet

Specifications

Catalogue No.	01-330X
Stirring positions	1
Max. stirring volume [L, H ₂ O]	1.5
Motor power output [W]	1.2
Speed adjustment	stepless speed regulation
Speed range [rpm]	300 - 2000
Max. magnetic bar length [mm]	35
Stirring plate material	PET
Stirring plate size [mm]	Ø 120
Dimensions [W x D x H, mm]	150 x 145 x 50
Weight [kg]	0.3
Working temperature [°C]	5 - 40
Permissible relative humidity	80%
Protection class	IP21
Voltage [V]	100 - 240
Frequency [Hz]	50/60
Power input [W]	7.2

01-320X FlatSpin Magnetic Stirrer

This ultra-flat magnetic stirrer is easily portable and saves precious space, making it an excellent addition to any laboratory.

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
Voltage [VAC]	100-240
Frequency [Hz]	50/60
Motor input rating [W]	5
Motor output rating [W]	3
Stirring speed range [rpm]	15-1500
Max. stirring quantity [L, H ₂ O]	0.8
Max. load capacity [kg]	2.0
Dimension of work plate [mm]	90 × 90
Material	ABS
Dimension [W × D × H, mm]	175 × 120 × 15
Weight [kg]	0.3
Permissible ambient temperature [°C]	5-40
Permissible relative humidity	80%
Protection class according to DIN EN60529	IP65



01-310X Magnetic Stirrer Hotplate

This combined magnetic stirrer and hotplate provides simultaneous stirring of up to 1500 rpm and heating of up to 280°C, making it ideal for the needs of most analytical and biological laboratories.

Features

- Digital control system
- Easy-to-read LED display
- Stirring speed range: 100-1500 rpm
- Temperature range: room temp. - 280°C
- Quick heating times
- ABS casing is fire-retardant and resistant to weak acids and bases
- Ceramic-coated stainless steel hotplate is chemically resistant and scratch-proof
- Safety feature: HOT caution indicator is displayed at 50°C and above
- Safety feature: heating automatically stops if hotplate temperature exceeds 320°C



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]	100-1500
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%

01-110X
Vortex Mixer

The Vortex Mixer is suitable for a variety of applications, from gentle mixing to vigorous resuspension of biological and chemical components in liquids. It is widely used in the fields of life science and physical and chemical analysis.



Features

- Orbital mixing movement
- Speed range: 0 - 2500 rpm, stepless speed settings
- Touch and continuous operation settings
- Cast aluminum base and specially designed vacuum suction feet keep the mixer stable
- Various adapters and accessories available for use with tubes of 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: 01-1133

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: 01-1135

Tube adapter for Ø20mm 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		●

01-120X, 01-130X 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
Tilt angle	90°
Speed range [rpm]	0-80
Operation type	Continuous
Dimensions [DxWxH, 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



01-610X, 01-620X Linear and Orbital 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 linear and orbital shaking movements.

Features

- Shaking speed range: 0 - 200 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



01-611X, 01-621X LED Digital Orbital and Linear Shaker



01-611X / 01-621X

01-611X and 01-621X 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.

NEW

Specifications

Catalogue No.	01-610X 01-620X	01-611X 01-621X
Voltage [VAC]	100-240	100-240
Frequency [Hz]	50/60	50/60
Power [W]	30	30
Shaking motion	Linear / Orbital	Linear / Orbital
Orbital diameter [mm]	20	20
Max. load capacity (with platform) [kg]	3	3
Motor type	DC motor	DC motor
Motor input rating [W]	16	16
Motor output rating [W]	10	10
Shaking speed range [rpm]	0-200	40-200
Operation type	Continuous operation	Continuous operation
Dimensions [W × D × H, mm]	330 × 110 × 270	330 × 110 × 270
Weight [kg]	3.1	3.1
Permissible ambient temperature [°C]	5-40	5-40
Permissible relative humidity	80%	80%
Protection class according to DIN EN60529	IP21	IP21

01-630X, 01-640X 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

NEW



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 Gradient Thermocycler

Thermocyclers are widely used in molecular biology, clinical diagnosis, criminal investigation, and infectious disease research, among other fields. They are essential laboratory equipment for researchers who run polymerase chain reactions (PCR) for sequencing, cloning, genotyping, mutagenesis, and many other applications. 01-7000 has a gradient function that enables setting different temperature ranges for different parts of the same heating block, making it easy to identify optimal annealing temperatures in a single run.

Features

- Thermal gradient: program different temperatures across different areas of the heating block
- Excellent temperature control system
- Fast heating and cooling rate
- Consistent and uniform sealing across entire heating block
- Intuitive touch-screen user interface



Specifications

Catalogue No.	01-700X
Sample Capacity	0.2mL PCR tubes×96, 0.2mL 8-strip PCR tubes, or 96 well PCR plate
Heating Temperature Range [°C]	4-99
Lid Temperature Range [°C]	50-110
Temperature Display Accuracy [°C]	0.1
Temperature Accuracy [°C @ 55°C]	± 0.3
Temperature Uniformity [°C @ 55°C]	< 0.3
Max. Heating/Cooling Rate [°C/s]	3
Gradient Temperature [°C]	Yes
Gradient Temperature Range [°C]	30-99
Gradient Range [°C]	1-42
Display	7" LCD
Touch Operation	Yes
Power-off Protection	Yes
Power Supply	100-120V/200-240V, 50/60Hz



01-710X Thermocycler

NEW

Thermocyclers are widely used in molecular biology, clinical diagnosis, criminal investigation, and infectious disease research, among other fields. They are essential laboratory equipment for researchers who run polymerase chain reactions (PCR) for sequencing, cloning, genotyping, mutagenesis, and many other applications.

Features

- Excellent temperature control system
- Fast heating and cooling rate
- Consistent and uniform sealing across entire heating block
- Intuitive touch-screen user interface



Specifications

Catalogue No.	01-710X
Sample Capacity	0.2ml PCR tubes x 96, PCR 8-strip tubes x 12, or 96 well plate x1
Heating Temperature Range [°C]	4-99
Lid Temperature Range [°C]	5 above room temp. - 110
Temperature display accuracy [°C]	0.1
Temperature Accuracy [°C @ 55°C]	± 0.3
Temperature Uniformity [°C @ 55°C]	< 0.3
Max. Heating/Cooling Rate [°C/sec]	3
Display	7" LED
Touch Operation	Yes
Power-off Protection	Yes
Power Supply	AC 220V (±10%) 50/60Hz
Power Supply	100-120V/200-240V, 50/60Hz

01-800X Palm Micro Centrifuge

The Palm Micro Centrifuge is a very small, compact centrifuge ideal for microfiltration and quick spins. It has been tested and approved in accordance with IEC/EN61010-2-20.

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



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 x 8, or 0.2mL PCR 8-strips x 2
Run Time	Continuous operation
Driving Motor	DC motor
Power	AC 110-240V, 50Hz/60Hz
Noise level [dB]	≤45
Dimensions [D x W x H, mm]	150 x 150 x 117
Weight [kg]	0.5

NEW

01-820X, 01-821X Mini and Mini-Plus High Speed Centrifuges

Powerful personal centrifuge

- Delivers powerful centrifugal force of up to 15,100 x g
- Maximum speed of 15,000 rpm
- Brushless DC motor quickly accelerates rotor to the set speed
- Streamlined, space-saving design
- Rotor is designed for 1.5mL and 2mL microcentrifuge tubes; adapters for 0.2mL and 0.5mL tubes are also available



Aluminum alloy rotor:

High mechanical strength;
Fully autoclavable and
lasts a lifetime

Conforms to international safety standards and regulations

- The Mini High Speed Centrifuge has been tested according to IEC/EN61010-1
- Cast iron chassis with low center of gravity is stable and reliable at maximum speed
- Multi-voltage design with high speed accuracy and reliable function
- The Mini-Plus High Speed Centrifuge has undergone explosion-proof testing and has been approved by cTÜVus, and FCC, including MCA testing according to IEC/EN61010-2-20

01-810X (Mini)

With 01-8292 aluminum alloy rotor kit*



High strength plastic rotor:

Low noise: ≤54dB;
Delivers fast acceleration
and deceleration

01-821X (Mini-Plus)

With 01-8291 plastic rotor kit*

*Rotors are not interchangeable between Mini and Mini-Plus.

CE FC



01-830X High Speed Micro-Centrifuge

NEW

Features

- Special multi-flow air cooling design helps prevent rotor overheating
- Bio-safe rotor prevents sample overflow and ensures samples do not leak during the centrifuging process
- High strength aluminum alloy rotor is autoclavable and highly durable
- Centrifuge automatically runs self-diagnostics when switched on
- Easy-to-read display shows centrifuging speed in rpm or RCF
- Ideal for centrifuging small samples
- Four different rotors are available, supporting the use of 0.2mL, 0.5mL, 1.5mL, and 2mL and 5mL tubes



2-point lid-lock mechanism ensures secure closure

High strength aluminum alloy rotor lasts a lifetime

Easy-to-use interface

Special multi-flow air cooling design helps reduce rotor temperature



CE  FC



01-831X High Speed Refrigerated Micro-Centrifuge

NEW

Powerful and efficient cooling system

- Powerful cooling system quickly cools chamber to 2°C after only 7 minutes, and keeps sample temperature below 2°C while centrifuging at maximum speed
- FastTemp: pre-cooling feature begins cool down prior to operation and ensures maximal temperature accuracy inside the chamber
- Dynamic temperature control system
- CFC-free refrigeration



2-point lid-lock mechanism ensures secure closure

After operation ends, lid remains closed to maintain chamber temperature

High strength aluminum alloy rotor lasts a lifetime

Special multi-flow air cooling design helps reduce rotor temperature

CE  FC

Rotor

- Bio-safe rotor prevents sample overflow and ensures samples do not leak during the centrifuging process
- High strength aluminum alloy rotor is autoclavable and highly durable
- Four different rotors are available, supporting the use of 0.2mL, 0.5mL, 1.5mL, and 2mL and 5mL tubes



Centrifuge Specifications

Catalogue No.	01-820X 01-821X	01-830X	01-831X
Speed Range [rpm]	500-15000; increment: 100	200-15000; increment: 10	
Max. RCF	15100 x g; increment: 100 x g	21380 x g; increment: 10 x g	
Speed Accuracy [rpm]	± 20		
Temperature Range [°C]	N/A	N/A	-20 - 40
Rotor Capacity	0.2mL/0.5mL/1.5mL/ 2mLx12	5mLx18; 0.2mL/0.5mL/1.5mL/ 2mLx24; 0.5mLx36; PCR8x4	
Run Time	30sec-99min-HOLD (continuous operation)		
Driving Motor	Brushless DC motor		
Safety Devices	Automatic lid locking, overspeed detection, over-temperature detection, automatic internal diagnostics	2-point lid lock mechanism, overspeed detection, over-temperature detection, automatic internal diagnostics	
Power	Single-phase, AC110V- 240V, 50Hz/60Hz, 3A	Single-phase, AC220V- 240V, 50Hz/60Hz, 5A; AC110V-120V, 50Hz/60Hz, 8A	Single-phase, AC220V- 240V, 50Hz/60Hz, 10A AC110V-120V, 50Hz/60Hz, 10A
Noise level [dB]	≤56 (Mini) ≤54 (Mini-Plus)	≤58	≤56
Acceleration / Deceleration time [sec]	25s ↑ 25s ↓ (Mini) 11s ↑ 9s ↓ (Mini-Plus)	25s ↑ 25s ↓	
Dimensions [L x D x H, mm]	255 x 245 x 140	280 x 364 x 266	338 x 580 x 324
Weight [kg]	6	12	30
Additional Features	Speed/RCF switch; short spin function; sound-alert function		



Centrifuge Rotor Features (for 01-820X, -830X, and -831X)

Fully autoclavable rotors

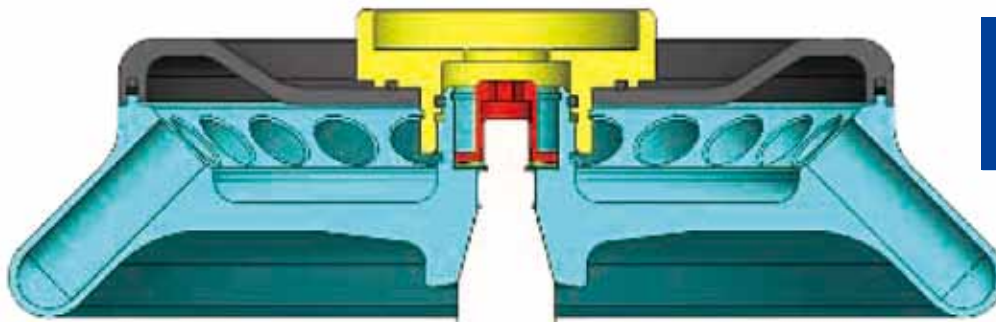
High strength aluminum alloy rotors can withstand steam sterilization at 121°C for 20 minutes and have a long service life.

Bio-safe rotors

The High Speed Micro-Centrifuge (01-830X) and High Speed Refrigerated Micro-Centrifuge (01-831X) have rotors designed to prevent sample leakage. Each rotor is fitted with three unique rubber seals to achieve bio-safe conditions when centrifuge tubes are enclosed within the rotor and the rotor lid is closed.

Explosion-proof testing

Biologix centrifuges are tested under MCA conditions according to IEC/EN61010-2-20, guaranteeing that no part of the centrifuge will become detached in such a way as to present a hazard to personnel or the environment.



Rotor and rotor lid cross-section

Three rubber seals within the rotor ensure bio-safe conditions

Biologix rotors* are constructed of military-industrial-grade aluminum alloy with high mechanical strength for precise operation and safety.

- All rotors can reach a maximum speed of 15,000 rpm
- Rotors are seated on a tapered shaft, concentric, and self-aligning, to optimize stability at high speeds

*Excluding the Mini-Plus High Speed Centrifuge (01-821X) rotor





Centrifuge Rotors and Adapters



Centrifuges	01-800X		01-820X	01-821X	01-830X & 01-831X				
Rotors									
Rotor Cat No.	01-8091	01-8092	01-8292	01-8291	01-8393	01-8391	01-8394	01-8395	01-8392
Max. speed (rpm)	10000	10000	15000	15000	15000	15000	15000	15000	15000
Max. RCF (xg)	5460	5460	15100	15100	21380	21380	21380	21380	21380
Rotor capacity	2mL/1.5mLx8 0.2mLx8 0.5mLx8	0.2mLx16 PCR strips 0.2mLx2 PCR 8 strips	2mL/1.5mLx12 0.2mLx12 0.5mLx12	2mL/1.5mLx12 0.2mLx12 0.5mLx12	2mL/1.5mLx24 0.2mLx24 0.5mLx24	5mLx18	0.5mLx36 0.2mLx36	0.2mL/PCR8x4	5mLx12
Rotor material	High strength plastic	High strength plastic	Aluminum alloy	High strength plastic	Aluminum alloy				
Bio-safe sealing					•	•	•	•	•
Rotor adapters		N/A				N/A		N/A	N/A
01-8093	•								
01-8094	•								
01-8293			•	•	•				
01-8294			•	•	•				
01-8396							•		

Centrifuge Rotors Adapters

Adapters	Cat No.	Description
	01-8093	2mL to 0.2mL rotor adapter, used with 01-8091 rotor, 8pcs/pk
	01-8094	2mL to 0.5mL rotor adapter, used with 01-8091 rotor, 8pcs/pk
	01-8293	2mL to 0.2mL rotor adapter, used with 01-8292, 01-8291, and 01-8393 rotors, 24pcs/pk
	01-8294	2mL to 0.5mL rotor adapter, used with 01-8292, 01-8291, and 01-8393 rotors, 24pcs/pk
	01-8396	0.5mL to 0.2mL rotor adapter, used with 01-8394 rotor, 36pcs/pk

NEW

01-910X Dry Bath Incubator








This classic dry bath incubator is ideal for molecular biology, histology, and environmental, industrial, and clinical laboratories, and for applications including melting and boiling point determinations, enzyme reactions, incubation and activation of cultures, immunoassays, DNA denaturation, culture media tests, coagulation tests, blood-urea-nitrogen determinations, and in-situ hybridizations.



Features

- A broad temperature range, from room temperature to 120°C
- Continuous and timed operation settings
- Over-temperature protection
- Various interchangeable heating blocks are available

Block specifications

Catalogue No.	Capacity (tubes)	Well diameter / Well depth [mm]
01-9191 	0.2mL x 54	6.4 / 15
01-9192 	0.5mL x 40	8.2 / 26.4
01-9193 	1.5/2mL x 40	11 / 34.7
01-9194 	5/15mL x 28	17 / 48
01-9195 	50mL x 8	29.8 / 48
01-9196 	0.2mL x 18 + 0.5mL x 18 + 1.5/2mL x 18	-
01-9197 	96- or 384-well plate	-

Specifications

Catalogue No.	01-910X
Voltage [VAC]	100-120/200-240
Frequency [Hz]	50/60
Power [W]	160
Heating block dimensions [mm]	150 x 95
Heating temperature range [°C]	5 above room temp. - 120
Temperature display	LED
Control accuracy [°C]	± 0.5
Maximum safe temperature [°C]	140
Timer	Yes
Time setting range	1 min - 99 hours, 59 min
Operation type	Continuous / timed
Dimensions [W x D x H, mm]	175 x 290 x 85
Weight [kg] (without heating block)	1.6
Permissible ambient temperature [°C]	5 - 40
Permissible relative humidity	80%
Protection class according to DIN EN 60529	IP 21

01-920X Hot/Cold Dry Bath Incubator

NEW

The 01-920X Dry Bath Incubator can maintain both hot and cold temperatures. It is widely used for applications such as gene synthesis, gene purification, gene and protein denaturation, enzymatic reaction, bacterial growth, and more.



Features

- Excellent temperature control system
- Can maintain hot or cold temperatures
- Supports creating and saving custom operation programs
- Various interchangeable heating blocks are available

Specifications

Catalogue No.	01-920X
Functions	Heating & cooling
Temperature range	below room temp. - 100°C
Temperature setting range [°C]	-5 - 110
Temperature control accuracy [°C, at 20–45°C]	± 0.5
Temperature uniformity [°C, at 20–45°C]	Max ± 0.5
Max heating rate [°C/min]	5.5
Max cooling rate [°C/min]	5 (at 110°C to room temp.) 0.5 (below room temp.)
Screen	LCD
Maximum number of programs	6
Voltage [V], Frequency [Hz]	100-120/220–240, 50/60
Power [W]	180
Dimensions [W × D × H, mm] (without heating block)	200 × 235 × 120



01-930X Shaker Incubator

The Shaker-Incubator provides excellent temperature control at both hot and cold temperatures, and simultaneously shakes the heating block, adding mixing functionality. Adjustable speed orbital shaking keeps samples thoroughly mixed.

Features

- Excellent temperature control system
- Can maintain hot or cold temperatures
- Orbital shaking movement function
- Efficient mixing at up to 1500 rpm
- Supports creating and saving custom programs
- Various interchangeable heating blocks are available

NEW



Specifications

Catalogue No.	01-930X
Functions	Heating, cooling, & mixing
Temperature range [°C]	15 - 100
Temperature setting range [°C]	0.1 - 100
Temperature control accuracy [°C, at 20–45°C]	± 0.5
Temperature uniformity [°C, at 20–45°C]	Max ± 0.5
Max heating rate [°C/min]	5.5
Max cooling rate [°C/min]	2.5 (at 100°C-room temp.) 0.5 (below room temp.)
Shaking speed range [rpm]	300–1500
Orbital shaking diameter [mm]	3
Screen	LCD
Maximum number of programs	6
Voltage [V], Frequency [Hz]	100-120/220–240, 50/60
Power [W]	200
Dimensions [W × D × H, mm] (without heating block)	200 × 235 × 120

Dry Bath Block Specifications: (for 01-920X and 01-930X)

	Catalogue No.	Capacity (tubes)	No. of wells	Well diameter [mm]	Well depth [mm]
	01-9297	0.2mL / 96 well PCR plate	96	-	-
	01-9291	0.5mL	24	8.1	26
	01-9292	1.5mL	24	10.9	31
	01-9293	2mL	24	10.6	26
	01-9294	5mL	8	13.6	36
	01-9295	15mL	8	16.5	95
	01-9296	50mL	4	28.7	75
	01-9298	96 Microplate	1	-	-

03-4221, 03-4222 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



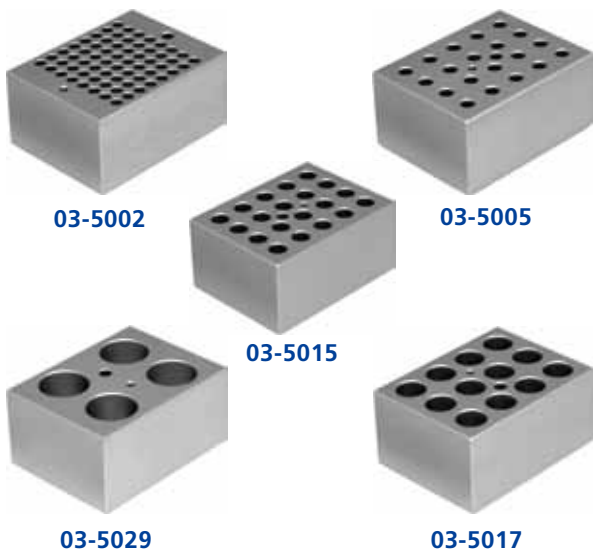
03-4221
One Block Unit



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.



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	

03-1300, 03-2300 Power Supplies

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

Features

- Compact, user-friendly design
- Long service life
- Stackable and programmable
- Multiple safety features: no-load detection, shrouded plugs and sockets, leakage detection, over-temperature protection, crossover protection, full floating, over-current/over-voltage detection

03-2300

300V Power Supply



03-1300

Mini 300V Power Supply

Specifications

Catalogue No.	03-1300	03-2300
Display	LED	LED
Output Voltage / Inc [V]	2 - 300 / 1	10 - 300 / 1
Output Current / Inc [mA]	1 - 700 / 1	10 - 400 / 1
Output Power [W]	150	60
Output Type	Constant voltage / current	Constant voltage / current
Timer	1~999 minutes with alarm, continuous	1~999 minutes with alarm, continuous
Rated Voltage [V]	110 - 240	100 - 240

03-3070 , 03-3100 Electrophoresis Tanks

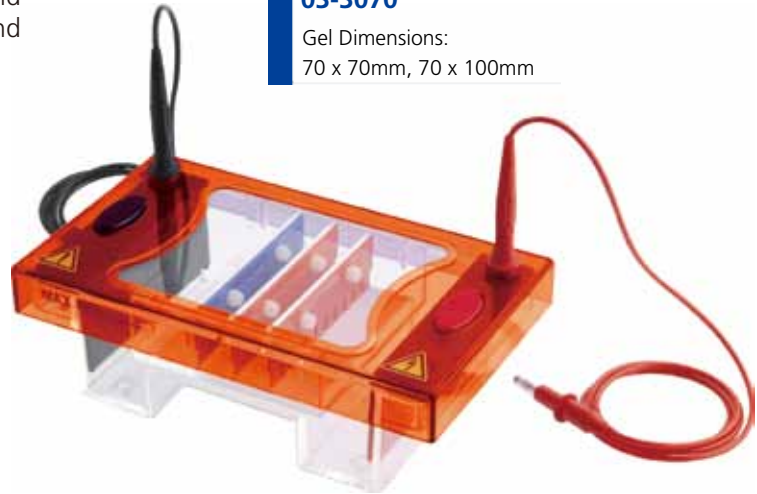
These electrophoresis tanks are widely used in fields including microbiology, biochemistry, and more. Their unique design makes use simple and samples easy to load. Two sizes are available.

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



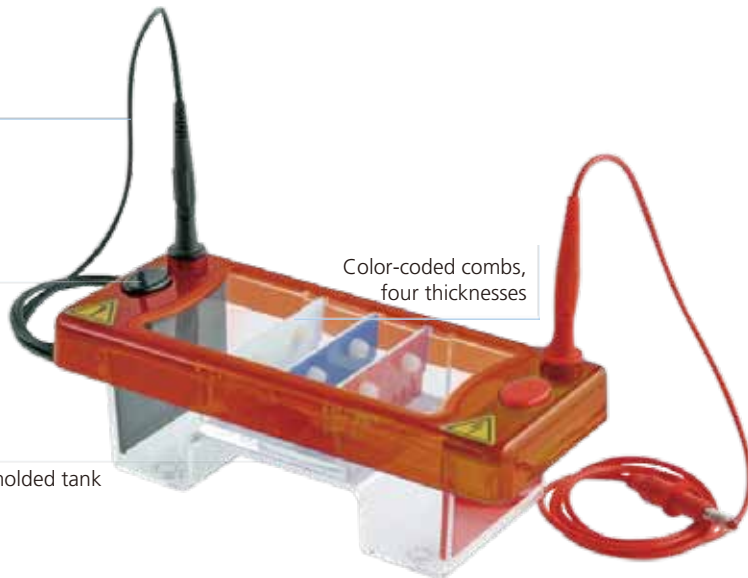
03-3100

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
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	

03-6200

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.

- Sturdy aluminum alloy casing
- 16 x 16 cm gel viewing surface
- Lightweight, portable design



Amber filter

Blue light base

Power jack

Specifications

Catalogue No.	03-6200
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 28.7
Weight [kg]	~1.5
Power Adaptor	12VDC/5A, 60W Max.
Filter Viewing Surface Dimensions [cm]	16 x 16



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