

CORNING

Corning® and Axygen® Laboratory Equipment Product Selection Guide





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Corning® Cell Counter



The Corning Cell Counter is the first automated cell counter that combines the best of both worlds. It is:

- ▶ **Evolving** – periodic, seamless upgrades, added features, and improved functionality
- ▶ **Accurate** – thanks to its cloud-based machine learning algorithm
- ▶ **Improved resolution** – ability to accurately count as small as 4 µm (e.g., PBMC)
- ▶ **Low-cost** – works with common reusable glass hemocytometers. No consumables required
- ▶ **Fast** – thanks to its online image processing

Three-second Cell Counts

The Corning Cell Counter can perform a single cell count in less than three seconds**. This is much faster than most automated cell-counting systems.

Higher Accuracy

This cell counter uses a cloud-based machine learning algorithm that manages thousands of parameters to provide accuracy without the need to define mammalian cell types. When Trypan Blue is added (Figure 1) the system can also detect cell viability. The Corning Cell Counter can resolve clusters of cells, which leads to accurate cell counts of “highly concentrated samples” (up to 1 x 10⁷ cells/mL; Figure 2).

Versatile

The cell counter’s organoid counting software extension offers users the ability to collect three-dimensional data including orgs./mL and surface area outputs.

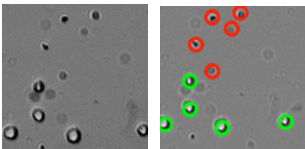


Figure 1. Dead cells stained with Trypan blue are detected by the image analysis algorithm. Red circles represent dead cells, green circles represent live cells.

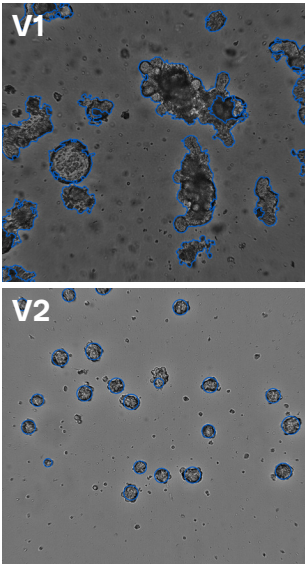


Figure 2. The image analysis algorithm is optimized for irregular 3D morphologies (V1) and spherical objects (V2).

	Mammalian	Organoids
Counting range	5 x 10 ⁴ to 1.0 x 10 ⁷ cells/mL	5 x 10 ⁴ to 1.0 x 10 ⁷ cells/mL
Counting range	4 to 70 µm	20 µm to 200 µm*
Measurement time	<3 sec.**	<3 sec.**
Compatibility	Reusable and disposable counting chambers: 0.1 mm	Reusable and disposable counting chambers: 0.1 or 0.2 mm
Sample volume	10 µL	10 µL or 20 µL chamber permitting
Weight	1.0 kg	1.0 kg
Field of view	1.5 x 1.5 mm	1.5 x 1.5 mm
Magnification	200X	100X
Image resolution	2048 x 1536	1536 x 1536
Exported formats	PNG	PNG
Light source	LED	LED
Camera	5 MP CMOS	5 MP CMOS
Unit dimensions (L x W x H)	122 x 122 x 125 mm	122 x 122 x 125 mm
Operating environment	5°C to 40°C, 20% to 95% humidity	5°C to 40°C, 20% to 95% humidity
Algorithm version	–	Version 1 irregular morphology Version 2 spherical objects

*Size limits depend on dimensions of counting chamber, user can set limits in the application.

**Measured using a 73 Mbps download speed and a 20 Mbps upload speed. Actual speed can vary depending on the internet connection.

Cat. No.	Description
6749	Corning Cell Counter

Accessories

Cat. No.	Description
6749-OC	Organoid counting software with 0.2 mm counting chamber
25-900-CI	Trypan blue 0.4%, 100 mL

Centrifugation Equipment



Corning® LSE™ Mini Microcentrifuge

The Corning LSE Mini microcentrifuge is a personal benchtop instrument that operates at a fixed speed of 6,000 rpm (2,000 x g) and is designed for quick spin downs of micro-samples. Operation is made simpler and more convenient with the design of a quick-release rotor system and electronic brake. Once samples are loaded and the lid is closed, the rotor rapidly accelerates to 6,000 rpm.

This speed range is ideal for bringing small droplets to the bottom of the tubes for micro-filtrations or as basic separations. Pressing the lid release button will activate the electronic brake, which brings the rotor to a fast stop. The mini microcentrifuge can accommodate up to 8 microcentrifuge tubes or 4 PCR strip tubes. Smaller samples such as 0.2, 0.25, and 0.5 mL can also be processed by using the included tube adapters.

- ▶ Quick-release rotor system eliminates the need for tools to exchange rotors
- ▶ Electronic braking provides rapid deceleration for more efficient sample prep
- ▶ Compact, rugged design withstands heavy use in a crowded lab environment
- ▶ Dual lid switch provides safe operation
- ▶ Ergonomic design allows for comfortable handling
- ▶ 2-year warranty

Cat. No.	Description
6770	Corning LSE Mini microcentrifuge, 100-240V; USA, EU, GBR, and AUS plugs included
6771	Corning LSE Mini microcentrifuge, 100-240V; CHN plug included

Accessories

Cat. No.	Description
6770-RT	Rotor, holds 8 x 1.5 or 2.0 mL tubes
6770-RTS	Rotor, holds 4 x 8-strip tubes
6770-RTA.20	Adapter, 0.20 for rotor (Cat. No. 6770-RT)
6770-RTA.25	Adapter, 0.25 for rotor (Cat. No. 6770-RT)
6770-RTA.5	Adapter, 0.5 for rotor (Cat. No. 6770-RT)



Corning LSE High Speed Microcentrifuge

The Corning LSE High speed microcentrifuge features an easy-to-use, digital control interface and high-speed performance for quick nucleic acid and protein separations. Two control knobs are used to precisely set rotor speed and run time, and parameters are shown on the easy-to-read LED displays. Press the Speed/G-Force knob to toggle the display between rpm and calculated g-force. The LSE high speed microcentrifuge incorporates a brushless drive and unique air cooling system to both reduce noise and minimize sample heating even during prolonged runs at maximum speed. Rotor included.

- ▶ Fast acceleration to a maximum speed 13,300 rpm/16,300 x g
- ▶ Complete with easy access, 24 x 1.5 or 2.0 mL rotor
- ▶ Precise, digital control system
- ▶ Set and view rotor speed in rpm or g-force
- ▶ Quiet and cool running, even at maximum speed

Cat. No.	Voltage	Plug
6765-HS	120V	USA
6766-HS	230V	EU
6767-HS	230V	GBR
6768-HS	100V	USA

Accessories

Cat. No.	Description	Qty/Pk
480134*	Individual adapters for 0.5 or 0.4 mL tubes	6
480135*	Individual adapters for 0.2 mL tubes	6

*Made to order. Please contact your local Corning Account Manager for more information.



Axygen® Axyspin Refrigerated Microcentrifuge

The Axyspin refrigerated microcentrifuge is a high performance refrigerated microcentrifuge designed to quickly process samples for applications such as nucleic acid and protein preparation, purifications, extractions, and pelleting.

- ▶ Powerful refrigeration system cools to 4°C in 8 minutes
- ▶ Maximum speed: 13,500 rpm
- ▶ Aluminum rotor included (24 x 1.5 or 2.0 mL)
- ▶ Exceptionally quiet and compact
- ▶ 2-year warranty

The Axyspin refrigerated microcentrifuge combines a powerful yet silent, brushless drive with an efficient cooling system, all in a compact footprint. Brushless drive technology has been fine-tuned in the Axyspin refrigerated microcentrifuge to deliver fast acceleration and deceleration of the solid aluminum rotor. The uniquely designed 24-place rotor allows easy access to the tops of sample tubes. Starting from room temperature, the chamber of the Axyspin refrigerated microcentrifuge cools to 4°C in just 8 minutes. The control panel features a backlit LCD display, which allows users to easily view running parameters while the large control knob facilitates digital setting of rotor speed, run time, and temperature. These high-performance features allow for faster sample processing and less downtime.

The rotor of the Axyspin refrigerated microcentrifuge can accommodate 1.5 or 2.0 mL Axyspin microcentrifuge tubes, including the most popular catalog numbers (MCT-150-C and MCT-200-C).

Cat. No.	Voltage	Plug
601-05-031	120V	USA
601-05-011	100V	USA
601-05-021	230V	EU/GBR
601-05-041	230V	CHN



Axygen® Axyspin Plate Centrifuge

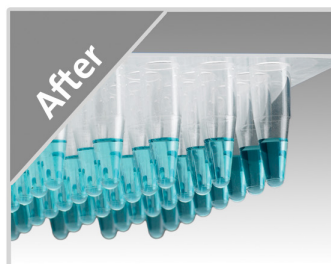
The Axyspin Plate Centrifuge is the first centrifuge designed specifically for quick and easy centrifugation of samples in PCR microplates.

Centrifuges that accept microplates are typically larger units that take up valuable space on the bench. The unique design of the Axyspin Plate Centrifuge allows for a compact centrifuge that has an extremely small footprint. Two standard microplates are loaded through a slot in the top of the unit. Sealed microplates are loaded vertically. Surface tension keeps samples in place so there is no danger of spilling. Upon closing the lid of the unit, the rotor quickly accelerates the microplates to 2,500 rpm. Opening the lid engages the brake and brings the rotor to a stop. For temperature-sensitive applications, the Axyspin Plate Centrifuge may be used in a cold room.

The Axyspin Plate Centrifuge is perfect for use with the Axxygen 96- and 384-well PCR microplates, including the popular PCR-96-FS-C and PCR-96M2-HS-C.

- ▶ Capacity for two standard plates
- ▶ Top loading design
- ▶ Exceptionally small footprint
- ▶ Starts and stops in seconds
- ▶ 1-year warranty

Maximum speed	2,500 rpm $\pm$ 10%
Maximum RCF	500 x g
Capacity	2 x 96- or 384-well PCR microplates
Temperature range	5°C to 40°C (up to 80% RH at 31°C, decreasing linearly to 50% RH at 40°C)
Dimensions	7.5 x 8.6 x 7.3 in. (19 x 22 x 18.6 cm)
Weight	5.7 lbs. (2.6 kg)



Cat. No.	Voltage	Plug
PLATESPINNER	120V	USA
PLATESPINNER-AU	230V	AUS
PLATESPINNER-UK	230V	GBR
PLATESPINNER-EU	230V	EU
PLATESPINNER-JP	100V	JPN

Agitation Equipment



Corning® LSE™ Vortex Mixer

The Corning LSE variable speed vortex mixer provides fast, efficient mixing with minimal vibration. The unit features a powerful, counter-balanced motor drive, and continuous or “touch” mix modes. A range of accessories are available for all common sample tubes and containers.

- ▶ Variable speed for gentle to vigorous mixing
- ▶ Brushless DC motor for stability and low maintenance
- ▶ Optimized counter balance for minimal vibration
- ▶ Lightweight and portable
- ▶ Includes cup head for all standard microtubes and centrifuge tubes
- ▶ Mix a variety of tubes and plates with optional accessory heads
- ▶ Touch and continuous mix modes
- ▶ Safe for cold room and incubator use, not intended for use in CO₂ incubators
- ▶ 2-year warranty

Cat. No.	Description	Voltage	Plug	Speed (rpm)	Weight	Dimensions (L x W x D)
6774	LSE vortex mixer	100-240V	USA, EU, GBR, JPN, CHN	200 - 3,500	4.0 lbs. (1.8 kg)	5.5 x 6.3 x 5.1 in. (14 x 16 x 13 cm)

Accessories



Cat. No.	Description
480100	Optional head, 3 inch, for processing larger numbers of tubes
480101	Optional head for 24 x 1.5/2.0 mL tubes, 24 x 0.5 mL tubes, or 32 x 0.2 mL tubes (or 4 tube strips)
480102	Optional head for 1 microplate, or 64 x 0.2 mL tubes, or 8 x 0.2 mL tube strips
480103	Optional head for 8 x 15 mL and 8 x 12/13 mm diameter tubes
480104	Optional head attachment for 6 x 50 mL tubes
480105	Optional head for 12 x 1.5/2.0 mL tubes, held horizontally
480106	Optional head for 4 x 15 mL tubes, held horizontally
480107	Optional head for 2 x 50 mL tubes, held horizontally



Corning® LSE™ Digital Microplate Shaker

The Corning LSE digital microplate shaker features digital control of shaking speed and run time. A single control knob is used to set parameters, and values are shown on a large 3-digit display. A sturdy base encloses the motor for quiet, vibration-free operation.

The included stainless steel platform accommodates up to 4 microplates (standard or deep well), and the shaker is safe for use in temperature controlled environments from 5°C to 40°C.

- ▶ Large capacity – process up to 4 microplates
- ▶ 3 mm orbit for resuspending, homogenizing, or vortexing
- ▶ Large digital display with single-knob control of speed time
- ▶ Safe for cold room and incubator use, not intended for use in CO₂ incubators
- ▶ 2-year warranty

Cat. No.	Description	Voltage	Plug	Speed (rpm)	Weight	Dimensions (L x W x D)
6780-4	LSE digital microplate shaker	120V, 50/60Hz	USA	100 - 1,400	9.5 lbs. (4.3 kg)	6.6 x 10.98 x 6 in. (16.8 x 27.9 x 15.3 cm)
6781-4	LSE digital microplate shaker	230V, 50/60Hz	EU	100 - 1,200	9.5 lbs. (4.3 kg)	6.6 x 10.98 x 6 in. (16.8 x 27.9 x 15.3 cm)
6782-4	LSE digital microplate shaker	230V, 50/60Hz	GBR	100 - 1,200	9.5 lbs. (4.3 kg)	6.6 x 10.98 x 6 in. (16.8 x 27.9 x 15.3 cm)
6781-5	LSE digital microplate shaker	230V, 50/60Hz	CHN	100 - 1,200	9.5 lbs. (4.3 kg)	6.6 x 10.98 x 6 in. (16.8 x 27.9 x 15.3 cm)

Corning LSE Low Speed Orbital Shaker



The Corning LSE low speed orbital shaker includes a 30 x 30 cm platform and is ideal for staining and destaining gels, washing blots and general mixing applications. Speed can be set from 3 to 60 rpm and the timer can be set for up to 2 hours or for continuous operation.

- ▶ Ideal for staining and washing of fragile gels
- ▶ Gentle motion prevents foaming of liquids
- ▶ Simple analog control with easy-turn knobs
- ▶ 19 mm orbit for blotting, gel staining, and general mixing
- ▶ Safe for cold room and incubator use, not intended for use in CO₂ incubators
- ▶ 2-year warranty

Cat. No.	Description	Voltage	Plug	Speed (rpm)	Weight	Dimensions (L x W x D)
6780-FP	LSE low speed orbital shaker	120V, 50/60Hz	USA	3 - 60	14.5 lbs. (6.6 kg)	10 x 12.6 x 6.3 in. (25.5 x 32 x 16 cm)
6781-FP	LSE low speed orbital shaker	230V, 50/60Hz	EU	3 - 60	14.5 lbs. (6.6 kg)	10 x 12.6 x 6.3 in. (25.5 x 32 x 16 cm)
6782-FP	LSE low speed orbital shaker	230V, 50/60Hz	GBR	3 - 60	14.5 lbs. (6.6 kg)	10 x 12.6 x 6.3 in. (25.5 x 32 x 16 cm)



Corning® LSE™ Orbital Shaker

The Corning LSE orbital shaker meets a variety of shaking and mixing applications. A powerful brushless motor and counter-balanced shaker mechanism provides smooth operation for years of trouble-free use. Different platforms (order separately) are available and are easily interchangeable.

- ▶ Two stainless steel platform options
- ▶ 19 mm orbit for aeration of cultures and staining gels
- ▶ Large digital display with single-knob control
- ▶ Digital control of shaking speed and time
- ▶ Safe for cold room and incubator use, not intended for use in CO₂ incubators
- ▶ Maximum capacity: 4 x 1L, 5 x 500 mL, 9 x 250 mL, or 16 x 125 mL
- ▶ 2-year warranty

Cat. No.	Description	Voltage	Plug	Speed (rpm)	Weight	Dimensions (L x W x D)
6780-NP	LSE orbital shaker	120V, 50/60Hz	USA	20 - 300	16 lbs. (7.3 kg)	10.1 x 12.5 x 5 in. (25.6 x 31.8 x 12.7 cm)
6781-NP	LSE orbital shaker	230V, 50/60Hz	EU	20 - 300	16 lbs. (7.3 kg)	10.1 x 12.5 x 5 in. (25.6 x 31.8 x 12.7 cm)
6782-NP	LSE orbital shaker	230V, 50/60Hz	GBR	20 - 300	16 lbs. (7.3 kg)	10.1 x 12.5 x 5 in. (25.6 x 31.8 x 12.7 cm)
6789-NP	LSE orbital shaker	230V, 50/60Hz	CHN	20 - 300	16 lbs. (7.3 kg)	10.1 x 12.5 x 5 in. (25.6 x 31.8 x 12.7 cm)

Accessories

Cat. No.	Description
480108	Flat platform with rubber mat
480109	Flask clamp platform (without clamps)
480110	Clamp for 25 mL flask
480111	Clamp for 50 mL flask
480112	Clamp for 125 mL flask
480113	Clamp for 250 mL flask
480114	Clamp for 500 mL flask
480115	Clamp for 1L flask

Corning LSE Nutating Mixer



The Corning LSE Nutating Mixer is a compact mixer that combines the motion of an orbital shaker and a platform rocker to produce a continuous three-dimensional agitation. The output demonstrates a thorough yet gentle mix without foaming. This mixer is safe to use in temperature-controlled environments.

The pitch and speed of the Corning LSE Nutating Mixer are designed to provide the optimal motion for mixing and resuspending samples in small volume vessels such as blood and centrifuge tubes. The dimpled mat on the platform surface holds tubes firmly in place while the unit is powered on. The mat exhibits an array of tube capacity as it can hold 60 x 1.5 mL tubes, 30 pediatric blood tubes (3 mL), 21 standard blood tubes (7 mL), 17 x 15 mL or 9 x 50 mL tubes.

- ▶ Ideal for mixing large strands of DNA into solution in microcentrifuge tubes or mixing blood into a buffer in large centrifuge tubes
- ▶ Small footprint
- ▶ 3D motion is ideal for mixing and resuspending samples
- ▶ Safe for cold room and incubator use, not intended for use in CO₂ incubators
- ▶ 2-year warranty

Cat. No.	Description	Voltage	Plug
6720	LSE nutating mixer with dimpled mat	120V, 50/60Hz	USA
6721	LSE nutating mixer with dimpled mat	230V, 50/60Hz	EU
6722	LSE nutating mixer with dimpled mat	230V, 50/60Hz	GBR
6723	LSE nutating mixer with dimpled mat	230V, 50/60Hz	CHN



Corning® LSE™ Digital Vortexer

The Corning Digital Vortexer is a multipurpose shaker dedicated to a variety of shaking and mixing applications. The interchangeable platforms accommodate many different sample containers such as flasks, bottles, tube racks, microplates, boxes, and dishes.

- ▶ Three versatile platform options (available separately)
- ▶ Compact design with easy-access control panel
- ▶ Non-slip rubber mat to keep containers in place
- ▶ Safe for cold room and incubator use, not intended for use in CO₂ incubators
- ▶ 5-year warranty

Cat. No.	Description	Voltage	Plug	Speed (rpm)	Weight	Dimensions (L x W x D)
6709	LSE digital vortexer	120V/60Hz	USA	100 - 1,200	16 lbs. (7.3 kg)	10.3 x 13.3 x 5.1 in. (26.2 x 33.7 x 13 cm)
6710	LSE digital vortexer	230V/50Hz	EU	100 - 1,200	16 lbs. (7.3 kg)	10.3 x 13.3 x 5.1 in. (26.2 x 33.7 x 13 cm)
6711	LSE digital vortexer	230V/50Hz	CHN	100 - 1,200	16 lbs. (7.3 kg)	10.3 x 13.3 x 5.1 in. (26.2 x 33.7 x 13 cm)

Accessories

Cat. No.	Description	Dimensions
48010	Platform for four microplates	11.38 x 8.03 in. (28.9 x 20.4 cm)
48011	Platform with non-slip rubber mat	11.81 x 11.81 in. (30 x 30 cm)
48012	Spring loaded platform for flasks, bottles, or tube racks	10.24 x 7.87 in. (26 x 20 cm)

Corning LSE Platform Rocker

The Corning LSE Platform Rocker is a compact yet high capacity rocker that is ideal for Western blotting and general mixing applications.

- ▶ Low profile and compact size (11 lbs./5 kg)
- ▶ 11-pound load capacity
- ▶ Non-slip rubber pads to prevent sample containers from moving during operation
- ▶ Double platform model available for increased capacity
- ▶ Safe for cold room and incubator use, not intended for use in CO₂ incubators
- ▶ 5-year warranty



Cat. No.	Description	Voltage	Plug	Speed (Tilts/min.)	Weight	Dimensions (L x W x H)
6703	LSE platform rocker, single platform	120V, 50/60Hz	USA	5 - 120	11.7 lbs. (5.3 kg)	12.8 x 14.2 x 5.7 in. (32.5 x 36 x 14.5 cm)
6704	LSE platform rocker, single platform	230V, 50/60Hz	EU, GBR	5 - 120	11.7 lbs. (5.3 kg)	12.8 x 14.2 x 5.7 in. (32.5 x 36 x 14.5 cm)
6702	LSE platform rocker, single platform	230V, 50/60Hz	CHN	5 - 120	11.7 lbs. (5.3 kg)	12.8 x 14.2 x 5.7 in. (32.5 x 36 x 14.5 cm)
6705	LSE platform rocker, double platform	120V, 50/60Hz	USA	5 - 120	12.7 lbs. (5.8 kg)	12.8 x 14.2 x 5.7 in. (32.5 x 36 x 14.5 cm)
6706	LSE platform rocker, double platform	230V, 50/60Hz	EU, GBR	5 - 120	12.7 lbs. (5.8 kg)	12.8 x 14.2 x 5.7 in. (32.5 x 36 x 14.5 cm)
6707	LSE platform rocker, double platform	230V, 50/60Hz	CHN	5 - 120	12.7 lbs. (5.8 kg)	12.8 x 14.2 x 5.7 in. (32.5 x 36 x 14.5 cm)



Axygen® Microtube Shaker

The Axygen Microtube Shaker provides researchers a benchtop shaking incubator allowing uniform heating, cooling, and mixing of precious life science samples. The compact footprint incorporates an intuitive control panel which allows the operator to easily program the device and view the live temperature, time, and mixing speed settings throughout the experiment.

Nine interchangeable aluminum blocks accommodate PCR plates and a variety of common life science vessels. No additional tools are required for block exchanges. The blocks utilize a magnetic adhesion technology and are self-recognized once exchanged. The combination of heating, cooling, and mixing with a versatile block selection makes the Axygen Microtube Shaker ideal for many life science laboratories in the segments of molecular biology, biochemistry, and clinical chemistry. Applications include but are not limited to gene synthesis, gene purification and denaturation, enzymatic reactions, and bacterial growth assays.

- ▶ Constant mixing
- ▶ Wide speed range per block
- ▶ Precise temperature control for heating and cooling
- ▶ Flexible block selection
- ▶ Programmable
- ▶ Compatible with various tubes and plates
- ▶ Quick interchange of blocks with magnet adhesion technology without any tools
- ▶ Block equipped with a lid for heat preservation
- ▶ Three-point temperature calibration
- ▶ Stable self-recognizing block technology
- ▶ Calibration mode ensuring accurate temperatures within $\pm 0.5^{\circ}\text{C}$ after every block exchange
- ▶ Safe for cold room use
- ▶ 1-year warranty

Cat. No.	Description	Voltage	Plug	Speed (rpm)
I-4010	Axygen Microtube shaker	120V, 50/60Hz	USA	200 - 1,500
I-4011	Axygen Microtube shaker	230V, 50/60Hz	EU, GBR	200 - 1,500
I-4012	Axygen Microtube shaker	230V, 50/60Hz	CHN	200 - 1,500

Accessories

Cat. No.	Description	Speed (rpm)	Well Dimensions (diameter x depth)
I-4010-A	Heating block, holds 0.5 mL tubes (24)	1,500	8.1 x 26 mm
I-4010-B	Heating block, cone bottom, holds 1.5 mL tubes (24)	1,500	10.9 x 30.8 mm
I-4010-C	Heating block, round bottom, holds 2 mL tubes (24)	1,500	10.9 x 30.8 mm
I-4010-D	Heating block, holds 5 mL tubes (8)	1,500	13.6 x 42 mm
I-4010-E	Heating block, cone bottom, holds 5 mL tubes (8)	1,400	17 x 51.5 mm
I-4010-F	Heating block, holds 15 mL tubes (8)	800	16.9 x 102.24 mm
I-4010-G	Heating block, holds 50 mL tubes (4)	600	29.6 x 105.95 mm
I-4010-H	Heating block for 0.2 mL tubes or 96-well PCR microplates	1,500	–
I-4010-I	Heating block for 96- or 384-well microplates	1,500	–

Constant Temperature Equipment

Corning® LSE™ Benchtop Shaking Incubator



Truly a benchtop style, the lid on the Corning benchtop shaking incubator has a low pivot point which provides a space-saving size sure to fit on the lab bench and under shelves. Each unit includes a software package, which provides the option of saving data to an external computer or monitoring rpm and temperature throughout runs. The maximum capacity is 4 x 1L flasks. 2-year warranty.

Temperature Operating Range	Ambient +5°C to 70°C
Environmental Temperature	5°C to 40°C
Shaker Speed	20 to 300 rpm
Shaker Timer	1 minute to 99 hours or continuous
Temperature Increments	0.1°C
Speed Increments	1 rpm
Platform Dimensions	11.8 x 11.8 in. (30 x 30 cm)
Dimensions (W x D x H)	14.6 x 20.9 x 15.7 in. (37 x 53 x 40 cm)
Weight	44.4 lbs. (20.2 kg)
Height Lid Open	21.7 in. (55 cm)
Communication Port	USB to monitor temperature and rpm

Cat. No.	Description	Voltage	Plug
6790	LSE benchtop shaking incubator with platform (Cat. No. 480144)	120V, 50/60Hz	USA
6791	LSE benchtop shaking incubator with platform (Cat. No. 480144)	230V, 50/60Hz	EU
6792	LSE benchtop shaking incubator with platform (Cat. No. 480144)	230V, 50/60Hz	CHN

Accessories

Cat. No.	Description
480144	Universal platform, 30 x 30 cm
480145	Petri dish shelf
480146	Sticky mat, 150 x 150 mm
480147	Microtiter hotel, holds maximum 3 microplates
480148	Combination tube holder, 6 x 15/50 mL tubes
480149	Plastic clamp, 125 mL
480150	Plastic clamp, 250 mL
480151	Plastic clamp, 500 mL
480152	Plastic clamp, 1000 mL
480156	Universal Spring loaded clamp platform



Universal platform
(Cat No. 480144)



Plastic clamps
(Cat Nos.
480149/50/51/52)



Universal spring loaded
clamp platform
(Cat. No. 480156)



Sticky mat
(Cat No. 480146)



Corning® LSE™ 49L Shaking Incubator

This cabinet-style incubator has a compact footprint and can also be stacked to maximize space efficiency. The built in orbital shaker accepts a large assortment of platforms and clamps that can accommodate flasks, Petri dishes, and test tube racks. 2-year warranty. The maximum capacity is 4 x 1L flasks. Platforms are sold separately.

Chamber Volume	49L/1.7 cu. ft.
Temperature Range/Display	Ambient +5°C to 80°C in 0.1°C increments/digital
Temperature Uniformity/Accuracy	±0.25°C/±0.1°C
Shaker Speed	20 to 400 rpm (maximum 300 rpm when stacked)
Shaker Timer	0 to 99 minutes or continuous
Shaker Orbit	19 mm
Flask Capacity	4 x 1L, 5 x 500 mL, 9 x 250 mL, 16 x 125 mL
Construction	Interior: Mirrored stainless steel Exterior: Cold rolled steel
Chamber (W x D x H)	13.5 x 14.75 x 15 in. (34.3 x 37.5 x 38.1 cm)
Exterior (W x D x H)	23 x 19.25 x 22.25 in. (42.5 x 55 x 58 cm)
Weight	83 lbs. (37.7 kg)

Cat. No.	Description	Voltage	Plug
6750	LSE shaking incubator, 49L	120V, 50/60Hz	USA
6752	LSE shaking incubator, 49L	230V, 50/60Hz	EU, GBR

Accessories

Cat. No.	Description
480153	Flask clamp platform, pre-drilled
480110	Clamp for 25 mL flask
480111	Clamp for 50 mL flask
480112	Clamp for 125 mL flask
480113	Clamp for 250 mL flask
480114	Clamp for 500 mL flask
480115	Clamp for 1L flask
480154	Flat platform with non-slip rubber mat (300 x 300 mm)
480155	Double flat platform with non-slip rubber mat (300 x 300 mm)
480156	Universal spring loaded clamp platform
480157	Shelf, full, for Cat. Nos. 6750 and 6752
480158	Stacking adapter for Cat. Nos. 6750 and 6752

Corning® LSE™ 71L Shaking Incubator



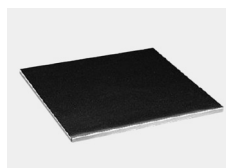
This high performance shaking incubator has a full size glass door and internal light that allows easy viewing of samples without disturbing the chamber contents. Mechanical convection provides a safe, stable temperature environment and fast chamber temperature recovery after opening the door. 2-year warranty. The maximum capacity is 4 x 2L/6 x 1L flasks. Platforms are sold separately.

Chamber Volume	71L/2.5 cu. ft.
Temperature Range/Display	Ambient +5°C to 80°C
Temperature Uniformity/Accuracy	±0.2°C at 37°C
Temperature Display	0.1°C
Shaker Speed	20 to 300 rpm
Shaker Orbit	19 mm
Shaker Timer	0 to 99 minutes or continuous
Dimensions (W x D x H)	Chamber: 17.4 x 15.6 x 16 in. (44.2 x 39.6 x 40.6 cm) Exterior: 22.6 x 21.4 x 25 in. (57.4 x 54.4 x 63.5 cm)
Weight	140 lbs. (63.6 kg)

Cat. No.	Description	Voltage	Plug
6753	LSE shaking incubator, 71L	120V, 50/60Hz	US
6754	LSE shaking incubator, 71L	230V, 50/60Hz	EU, GBR

Accessories

Cat. No.	Description
480159	Shaking platform pre-drilled for flask clamps
480110	Clamp for 25 mL flask
480111	Clamp for 50 mL flask
480112	Clamp for 125 mL flask
480113	Clamp for 250 mL flask
480114	Clamp for 500 mL flask
480115	Clamp for 1L flask
480160	Flat shaker platform with non-slip rubber mat (390 x 330 mm)
480161	Platform with 4 x 2L flask clamps
480162	Platform with 6 x 1L flask clamps
480163	Platform with 8 x 500 mL flask clamps
480164	Platform with 12 x 250 mL flask clamps
480165	Platform with 20 x 125 mL flask clamps
480166	Platform with 30 x 50 mL flask clamps
480156	Universal spring loaded clamp platform
480167	Clamp for 2,000 mL flask (for use with 71L shaking incubator only)
480168	Rack holder for 15 mL test tubes
480169	Rack holder for 50 mL test tubes
480170	Shelf, full, for Cat. Nos. 6753 and 6754



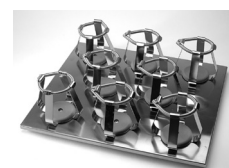
Cat. No. 480160



Cat. No. 480161



Cat. No. 480162



Cat. No. 480163



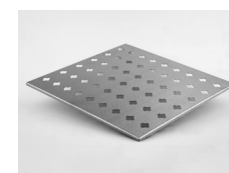
Cat. No. 480164



Cat. No. 480165



Cat. Nos. 480168/69



Cat. No. 480170



Corning® LSE™ 6 Liter Digital Water Bath

The Corning LSE Digital Water Bath is constructed from corrosion-resistant stainless steel and can accommodate up to 6 liters of water or can serve as a dry bath when using thermal beads.

- ▶ Compact design
- ▶ Stainless steel cover to retain heat and minimize evaporation
- ▶ Powerful 500W heater programmed by LED digital controller
- ▶ Precise temperature control by hydraulic thermostat
- ▶ 2-year warranty

Chamber capacity	6L
Chamber construction	Stainless steel
Chamber maximum load	20 lbs. (9.09 kg)
Temperature range	Ambient +5°C to 99°C
Exterior dimensions (W x D x H)	14.9 x 11.4 x 9.0 in. (12.9 in. with cover) 38 x 29 x 23 cm (33 cm with cover)
Chamber dimensions	12.6 x 6.7 x 6.9 in. (32 x 17 x 18 cm)
Weight	19 lbs. (8.6 kg)

Cat. No.	Description
6783	Digital water bath, 6L, 120V
6784	Digital water bath, 6L, 230V (EU and GBR plug)
6785	Digital water bath, 6L, 230V (CHN plug)



Corning LSE Digital Dry Bath Heater

The Corning Digital Dry Bath Heaters are available in single, dual, and four block configurations (blocks not included, sold separately) and provide a broad temperature range up to 150°C, which makes them useful for a variety of applications in molecular biology, histology, clinical, environmental, and industrial laboratories. They have been designed to incorporate the best combination of features including block capacity and dual displays that gives life science researchers the confidence and efficiency they need when working with precious samples.

- ▶ Single, dual, and four block capacity to maximize sample processing (blocks not included, sold separately)
- ▶ Dual display allows for easy monitoring of temperature and time
- ▶ USB connectivity enables traceability of data
- ▶ Molded block chamber provides excellent temperature uniformity
- ▶ 3-year warranty

Dimensions	
Single and dual block	8.3 x 12.4 x 4.7 in. (21 x 29 x 12 cm)
Four block	8.3 x 16.3 x 4.7 in. (21 x 39 x 12 cm)
Capacity	1, 2, 4 blocks
Temperature Range	Ambient +5°C to 150°C
Temperature Accuracy	±0.3°C
Temperature Uniformity	±0.2°C
Temperature Increments	0.1°C
Digital Display	Dual
Chamber Construction	Uniformly molded
Block Lid	Yes, included
Interface	USB

Cat. No.	Description	Block Capacity	Voltage	Plug	Weight	Dimensions (L x W x H)
6875-SB	LSE™ digital dry bath heater	Single	120V	USA	7.0 lbs. (3.2 kg)	8.3 x 12.4 x 4.7 in. (21 x 29 x 12 cm)
6885-DB	LSE digital dry bath heater	Dual	120V	USA	7.0 lbs. (3.2 kg)	8.3 x 12.4 x 4.7 in. (21 x 29 x 12 cm)
6895-FB	LSE digital dry bath heater	Four	120V	USA	9.6 lbs. (4.4 kg)	8.3 x 16.3 x 4.7 in. (21 x 39 x 12 cm)
6876-SB	LSE digital dry bath heater	Single	230V	EU	7.0 lbs. (3.2 kg)	8.3 x 12.4 x 4.7 in. (21 x 29 x 12 cm)
6886-DB	LSE digital dry bath heater	Dual	230V	EU	7.0 lbs. (3.2 kg)	8.3 x 12.4 x 4.7 in. (21 x 29 x 12 cm)
6896-FB	LSE digital dry bath heater	Four	230V	EU	9.6 lbs. (4.4 kg)	8.3 x 16.3 x 4.7 in. (21 x 39 x 12 cm)
6877-SB	LSE digital dry bath heater	Single	230V	GBR	7.0 lbs. (3.2 kg)	8.3 x 12.4 x 4.7 in. (21 x 29 x 12 cm)
6887-DB	LSE digital dry bath heater	Dual	230V	GBR	7.0 lbs. (3.2 kg)	8.3 x 12.4 x 4.7 in. (21 x 29 x 12 cm)
6897-FB	LSE digital dry bath heater	Four	230V	GBR	9.6 lbs. (4.4 kg)	8.3 x 16.3 x 4.7 in. (21 x 39 x 12 cm)
6879-SB	LSE digital dry bath heater	Single	230V	CHN	7.0 lbs. (3.2 kg)	8.3 x 12.4 x 4.7 in. (21 x 29 x 12 cm)
6889-DB	LSE digital dry bath heater	Dual	230V	CHN	7.0 lbs. (3.2 kg)	8.3 x 12.4 x 4.7 in. (21 x 29 x 12 cm)
6899-FB	LSE digital dry bath heater	Four	230V	CHN	9.6 lbs. (4.4 kg)	8.3 x 16.3 x 4.7 in. (21 x 39 x 12 cm)
6878-SB	LSE digital dry bath heater	Single	100V	JPN	7.0 lbs. (3.2 kg)	8.3 x 12.4 x 4.7 in. (21 x 29 x 12 cm)
6888-DB	LSE digital dry bath heater	Dual	100V	JPN	7.0 lbs. (3.2 kg)	8.3 x 12.4 x 4.7 in. (21 x 29 x 12 cm)
6898-FB	LSE digital dry bath heater	Four	100V	JPN	9.6 lbs. (4.4 kg)	8.3 x 16.3 x 4.7 in. (21 x 39 x 12 cm)

Accessories



Cat. No.	Description
480116	Single block, 48 x 0.2 mL PCR tubes or 6 x 0.2 mL strips
480117	Single block, 20 x 2.0 mL tubes
480118	Single block, 24 x 0.5 mL tubes
480119	Single block, 24 x 1.5 mL tubes
480120	Single block, 35 x 6 mm tubes
480121	Single block, 20 x 10 mm tubes
480122	Single block, 20 x 12 mm tubes
480123	Single block, 20 x 13 mm tubes
480124	Single block, 12 x 15 mL centrifuge tubes
480125	Single block, 12 x 16 mm tubes
480126	Single block, 12 x 17 mm tubes
480127	Single block, 6 x 20 mm tubes
480128	Single block, 6 x 25 mm tubes
480129	Single block, 5 x 50 mL centrifuge tubes (for single block unit only)
480130	Single block, 96-well PCR microplate, skirted or nonskirted
480131	Dual block, 96-well microplate or 4 slides (for dual block unit only)
480132	Dual block, 96-well PCR microplate, skirted, or nonskirted (for dual block unit only)
480133	Dual block, 384-well PCR microplate (for dual block unit only)



Corning® Digital Hot Plates, Stirring Hot Plates, and Stirrers

Corning digital hot plates, stirrers, and stirring hot plates are made with the same durability and quality Corning has been putting into Pyroceram® top products since 1964. All models include a Pyroceram top.

- ▶ Twin display stirring hot plate shows both temperature and stirring speed on separate digital displays to ensure accuracy
- ▶ Temperature accuracy within $\pm 2^{\circ}\text{C}$ and stirring speeds at $\pm 5\%$ of the speed setting you choose
- ▶ Digital displays indicate when set temperature and stirring speeds are reached
- ▶ Safety indicators – power button and hot top indicators warn if unit is plugged in or is too hot to touch
- ▶ Angled front panel and large knobs minimize damage from spills
- ▶ PC-400D/410D/420D top plate size: 5 x 7 in. (12.7 x 17.8 cm)
- ▶ PC-600D/610D/620D top plate size: 10 x 10 in. (25.4 x 25.4 cm)
- ▶ 2-year warranty

Digital Hot Plates

Cat. No.	Model	Voltage	Temperature Range	Dimensions (L x W x D)
6795-400D	PC-400D	120V	5°C to 550°C	10.8 x 7.8 x 4.3 in. (27.5 x 19.7 x 10.9 cm)
6795-600D	PC-600D	120V	5°C to 550°C	4.625 x 11 x 15.375 in. (11.75 x 19.7 x 39.05 cm)
6796-400D*	PC-400D	230V	5°C to 550°C	10.8 x 7.8 x 4.3 in. (27.5 x 19.7 x 10.9 cm)
6796-600D*	PC-600D	230V	5°C to 550°C	4.625 x 11 x 15.375 in. (11.75 x 19.7 x 39.05 cm)
6797-400D	PC-400D	100V	5°C to 550°C	10.8 x 7.8 x 4.3 in. (27.5 x 19.7 x 10.9 cm)
6797-600D	PC-600D	100V	5°C to 550°C	4.625 x 11 x 15.375 in. (11.75 x 19.7 x 39.05 cm)
6798-400D**	PC-400D	230V	5°C to 550°C	10.8 x 7.8 x 4.3 in. (27.5 x 19.7 x 10.9 cm)
6798-600D**	PC-600D	230V	5°C to 550°C	4.625 x 11 x 15.375 in. (11.75 x 19.7 x 39.05 cm)
6799-400D***	PC-400D	230V	5°C to 550°C	10.8 x 7.8 x 4.3 in. (27.5 x 19.7 x 10.9 cm)
6799-600D***	PC-600D	230V	5°C to 550°C	4.625 x 11 x 15.375 in. (11.75 x 19.7 x 39.05 cm)



Model PC-400D

Digital Stirrers

Cat. No.	Model	Voltage	Temperature Range	Dimensions (L x W x D)
6795-410D	PC-410D	120V	60 to 1,150	10.8 x 7.8 x 4.3 in. (27.5 x 19.7 x 10.9 cm)
6795-610D	PC-610D	120V	60 to 1,150	4.625 x 11 x 15.375 in. (11.75 x 19.7 x 39.05 cm)
6796-410D*	PC-410D	230V	60 to 1,150	10.8 x 7.8 x 4.3 in. (27.5 x 19.7 x 10.9 cm)
6796-610D*	PC-610D	230V	60 to 1,150	4.625 x 11 x 15.375 in. (11.75 x 19.7 x 39.05 cm)
6797-410D	PC-410D	100V	60 to 1,150	10.8 x 7.8 x 4.3 in. (27.5 x 19.7 x 10.9 cm)
6797-610D	PC-610D	100V	60 to 1,150	4.625 x 11 x 15.375 in. (11.75 x 19.7 x 39.05 cm)
6798-410D**	PC-410D	230V	60 to 1,150	10.8 x 7.8 x 4.3 in. (27.5 x 19.7 x 10.9 cm)
6798-610D**	PC-610D	230V	60 to 1,150	4.625 x 11 x 15.375 in. (11.75 x 19.7 x 39.05 cm)
6799-410D***	PC-410D	230V	60 to 1,150	10.8 x 7.8 x 4.3 in. (27.5 x 19.7 x 10.9 cm)
6799-610D***	PC-610D	230V	60 to 1,150	4.625 x 11 x 15.375 in. (11.75 x 19.7 x 39.05 cm)

*Comes with EU and GBR plug.

**Comes with EU plug.

***Comes with CHN plug.



Model PC-410D

Digital Stirring Hot Plates



Model PC-420D

Cat. No.	Model	Voltage	Temperature/ Stir Range (rpm)	Dimensions (L x W x D)
6795-420D	PC-420D	120V	5°C - 550°C/60 - 1,150	10.8 x 7.8 x 4.3 in. (27.5 x 19.7 x 10.9 cm)
6795-620D	PC-620D	120V	5°C - 550°C/60 - 1,150	4.625 x 11 x 15.375 in. (11.75 x 19.7 x 39.05 cm)
6796-420D*	PC-420D	230V	5°C - 550°C/60 - 1,150	10.8 x 7.8 x 4.3 in. (27.5 x 19.7 x 10.9 cm)
6796-620D*	PC-620D	230V	5°C - 550°C/60 - 1,150	4.625 x 11 x 15.375 in. (11.75 x 19.7 x 39.05 cm)
6797-420D	PC-420D	100V	5°C - 550°C/60 - 1,150	10.8 x 7.8 x 4.3 in. (27.5 x 19.7 x 10.9 cm)
6797-620D	PC-620D	100V	5°C - 550°C/60 - 1,150	4.625 x 11 x 15.375 in. (11.75 x 19.7 x 39.05 cm)
6798-420D**	PC-420D	230V	5°C - 550°C/60 - 1,150	10.8 x 7.8 x 4.3 in. (27.5 x 19.7 x 10.9 cm)
6798-620D**	PC-620D	230V	5°C - 550°C/60 - 1,150	4.625 x 11 x 15.375 in. (11.75 x 19.7 x 39.05 cm)
6799-420D***	PC-420D	230V	5°C - 550°C/60 - 1,150	10.8 x 7.8 x 4.3 in. (27.5 x 19.7 x 10.9 cm)
6799-620D***	PC-620D	230V	5°C - 550°C/60 - 1,150	4.625 x 11 x 15.375 in. (11.75 x 19.7 x 39.05 cm)

*Comes with EU and GBR plug.

**Comes with EU plug.

***Comes with CHN plug.

Digital Stirring Hot Plates Kits

Cat. No.	Description
6795-420KIT†	Corning 5 x 7 in. Top PC-420D Digital Stirring Hot Plate Kit, 120V/60Hz Includes: One stirring hot plate (Cat. No. 6795-420D), external temperature controller (Cat. No. 6795PR-CH), vertical support rod (Cat. No. 440129-CH), stir bar retriever (Cat. No. 6970SR)
6795-620KIT†	Corning 10 x 10 in. Top PC-620D Digital Stirring Hot Plate Kit, 120V/60Hz Includes: One stirring hot plate (Cat. No. 6795-620D), external temperature controller (Cat. No. 6795PR-CH), vertical support rod (Cat. No. 440129-CH), stir bar retriever (Cat. No. 6970SR)

Available for purchase separately and not included in the Kits: Bosshead clamp (Cat. No. 440140-CH) and holding rod (Cat. No. 440141-CH).*

†For units made in China or Malaysia only.

Corning® Analog Hot Plates, Stirring Hot Plates, and Stirrers

PC-200 Hot Plates

Corning's exclusive glass-ceramic Pyrocera® top is standard.

- ▶ Micro-chemistry size
- ▶ Hot top indicator light
- ▶ 2-year warranty



Cat. No.	Voltage	Temperature	Weight	Top Size	Dimensions (H x W x D)
6795-200	120V	25°C - 480°C	4 lbs. (1.8 kg)	4 x 5 in. (10.2 x 12.7 cm)	3.9 x 5.9 x 8.5 in. (10 x 15 x 21.5 cm)
6796-200*	230V	25°C - 480°C	4 lbs. (1.8 kg)	4 x 5 in. (10.2 x 12.7 cm)	3.9 x 5.9 x 8.5 in. (10 x 15 x 21.5 cm)
6794-200**	230V	25°C - 480°C	4 lbs. (1.8 kg)	4 x 5 in. (10.2 x 12.7 cm)	3.9 x 5.9 x 8.5 in. (10 x 15 x 21.5 cm)
6797-200	100V	25°C - 480°C	4 lbs. (1.8 kg)	4 x 5 in. (10.2 x 12.7 cm)	3.9 x 5.9 x 8.5 in. (10 x 15 x 21.5 cm)

*Comes with EU and GBR plug.

**Comes with CHN plug.

PC-210 Stirrers

PC-210 stirrers come with Corning's Pyroceram® top.

- ▶ Micro-chemistry size
- ▶ 2-year warranty



Cat. No.	Voltage	Stir Range (rpm)	Weight	Top Size	Dimensions (H x W x D)
6795-210	120V	60 - 1,100	4.4 lbs. (2.0 kg)	4 x 5 in. (10.2 x 12.7 cm)	3.9 x 5.9 x 8.5 in. (10 x 15 x 21.5 cm)
6796-210*	230V	60 - 1,100	4.4 lbs. (2.0 kg)	4 x 5 in. (10.2 x 12.7 cm)	3.9 x 5.9 x 8.5 in. (10 x 15 x 21.5 cm)
6794-210**	230V	60 - 1,100	4.4 lbs. (2.0 kg)	4 x 5 in. (10.2 x 12.7 cm)	3.9 x 5.9 x 8.5 in. (10 x 15 x 21.5 cm)
6797-210	100V	60 - 1,100	4.4 lbs. (2.0 kg)	4 x 5 in. (10.2 x 12.7 cm)	3.9 x 5.9 x 8.5 in. (10 x 15 x 21.5 cm)

*Comes with EU and GBR plug.

**Comes with CHN plug.

PC-220 Hot Plate/Stirrers

Hot plate/stirrer units come with Corning's exclusive Pyroceram top.

- ▶ Micro-chemistry size
- ▶ Hot top indicator light
- ▶ Glass ceramic top
- ▶ 2-year warranty



Cat. No.	Voltage	Stir Range (rpm)	Temperature	Weight	Top Size	Dimensions (H x W x D)
6795-220	120V	60 - 1,100	25°C - 480°C	5.1 lbs. (2.3 kg)	4 x 5 in. (10.2 x 12.7 cm)	3.9 x 5.9 x 8.5 in. (10 x 15 x 21.5 cm)
6796-220*	230V	60 - 1,100	25°C - 480°C	5.1 lbs. (2.3 kg)	4 x 5 in. (10.2 x 12.7 cm)	3.9 x 5.9 x 8.5 in. (10 x 15 x 21.5 cm)
6794-220**	230V	60 - 1,100	25°C - 480°C	5.1 lbs. (2.3 kg)	4 x 5 in. (10.2 x 12.7 cm)	3.9 x 5.9 x 8.5 in. (10 x 15 x 21.5 cm)
6797-220	100V	60 - 1,100	25°C - 480°C	5.1 lbs. (2.3 kg)	4 x 5 in. (10.2 x 12.7 cm)	3.9 x 5.9 x 8.5 in. (10 x 15 x 21.5 cm)

*Comes with EU and GBR plug.

**Comes with CHN plug.

Corning® Scholar PC-170 Hot Plates

An economically priced hot plate that has a white enameled steel top plate that provides heat transfer up to 360°C. Dual heat shields dissipate heat and keep the case cool to the touch.

- ▶ Compact, saves on bench space
- ▶ 1-year warranty



Cat. No.	Voltage	Temperature	Weight	Top Size	Dimensions (H x W x D)
6795-170	120V	60°C - 360°C	3 lbs. (1.3 kg)	5 x 5 in. (12.7 x 12.7 cm)	4 x 5 x 5 in. (10.2 x 12.7 x 12.7 cm)
6796-170S*	230V	60°C - 360°C	3 lbs. (1.3 kg)	5 x 5 in. (12.7 x 12.7 cm)	4 x 5 x 5 in. (10.2 x 12.7 x 12.7 cm)
6797-170	100V	60°C - 360°C	3 lbs. (1.3 kg)	5 x 5 in. (12.7 x 12.7 cm)	4 x 5 x 5 in. (10.2 x 12.7 x 12.7 cm)

*Comes with GBR plug.

Corning Scholar PC-171 Stirrer

The Corning Scholar PC-171 stirrer provides compact design, vigorous stirring with alternating current motor for longer life and rugged construction.

- ▶ 1-year warranty



Cat. No.	Voltage	Stir Range (rpm)	Weight	Top Size	Dimensions (H x W x D)
6795-171	100-240V	100 - 1,600	4 lbs. (1.8 kg)	5 x 5 in. (12.7 x 12.7 cm)	3.2 x 5 x 5 in. (8.1 x 12.7 x 12.7 cm)



PC-611 Stirrer

The PC-611 is designed to stir large volumes of liquid with ease. The stirrer is designed for 5 gallon vessels (19L) but can stir up to 10 gallons. This powerful stirring is achieved with a very compact design that conserves bench space. The stirrer uses a magnet that is constructed out of rare earth metals for exceptional coupling strength. The magnet's strength also centers the stir bar quickly inside the vessel. Heavy duty motor and rugged plastic (ABS) top will provide years of reliable service. The PC-611 achieves vigorous stirring with a more compact unit at a lower cost than competitive units. This high volume stirrer can handle many applications that previously required an overhead stirrer.

1-year warranty

Cat. No.	Voltage	Stir Range (rpm)	Weight	Top Size	Dimensions (H x W x D)
6795-611	120V	100 - 1,500	11.0 lbs. (5 kg)	11 x 11 in. (27.9 x 27.9 cm)	12.0 x 14.4 x 4.8 in. (30.48 x 36.58 x 12.19 cm)

Stir Bars and Stir Bar Retriever

Corning® magnetic stir bars are polytetrafluorethylene (PTFE)-coated for increased chemical resistance. The Corning stir bar retriever contains a strong magnet to remove a stir bar from all glass and plastic containers used in the laboratory. The container must be taken off the magnetic stirrer before using the retriever as the high powered magnet in the stirrer cancels out the one in the retriever. The handle is designed for ergonomic and easy retrieval.

Cat. No.	Description	Use with Model
401435-CH*	PTFE-coated magnetic stir bar, 3/8 x 1 in. (0.95 x 2.54 cm)	PC-210/220/410D/420D
400430-CH*	PTFE-coated magnetic stir bar, 3/8 x 2 in. (0.95 x 5.08 cm)	PC-610D/620D
409000-CH*	Stir bar, 3/4" x 3"	PC-611
6970SR	Stir bar retriever, polypropylene	All Corning stirrers and hot plate/stirrers

Stir bar, 3/8" x 1"
(Cat. No. 401435-CH)

Stir bar, 3/8" x 2"
(Cat. No. 400430-CH)

Stir bar, 3/4" x 3"
(Cat. No. 409000-CH)



Magnetic stir bar retriever
(Cat. No. 6970SR)



Digital hot plate accessories

Temperature Controller and Accessories

When used with the digital hot plate or stirring hot plate, the external temperature controller ensures precision temperature accuracy of the liquid inside the vessel as opposed to the temperature of the hot plate top.

Cat. No.*	Description	Use with Model
6795PR-CH**	Temperature controller for digital hot plates and stirring hot plates	PC-400D/420D/600D/620D
6795KIT-CH	Corning Digital Hot Plate and Stirring Hot Plate Accessory Kit Includes: External temperature controller (Cat. No. 6795PR-CH), vertical support rod (Cat. No. 440129-CH), stir bar retriever (Cat. No. 6970SR)	PC-400D/420D/600D/620D
440129-CH	Stainless steel support rod, two 9 in. (22.9 cm) rods, 5/16 in. diameter. Rods can be screwed together to 18 in. (45.7 cm).	All digital and PC-200/210/220
400084-CH	Stainless steel support rod, 12" (30.5 cm), 5/16" diameter	All digital and PC-200/210/220
440140-CH†	Boss head clamp. Use for connecting the holding rod (Cat. No. 440141-CH) at a 90° angle to the support rod (Cat. No. 440129-CH). Aluminum.	All hot plates with 5/16" or smaller support rod
440141-CH	Holding rod. Use for holding the external temperature controller (Cat. No. 6795PR-CH) in position. Aluminum.	All hot plates

*For units made in China or Malaysia only.

**Temperature controllers are not available for use with stirrer only units.

†Bosshead clamps to support rod; holding rod connects to bosshead. Temperature controller slides into holding rod.

Molecular Biology and Electrophoresis



Axygen Gel Documentation System-BL



Axygen Gel Documentation System

Axygen® Gel Documentation Systems

Axygen Gel Documentation systems easily capture publication quality, 16 bit TIFF images. The systems are quick to set up and have an intuitive user interface for image capture, annotation, and contrast adjustment. Images are easily saved and opened in common gel analysis software for more detailed analysis.

- ▶ Auto exposure – you never have to manually manipulate the camera
- ▶ Ready-to-use – just connect the computer and load the software. BL model includes tablet computer with software already included.
- ▶ Long-life dual wavelength transilluminators
- ▶ Exceptionally high resolution (5.4 MP) camera
- ▶ The cabinet is compact with an ultra-violet (UV) cut-off switch to prevent exposure to UV light if the cabinet door is opened while the UV light is on.

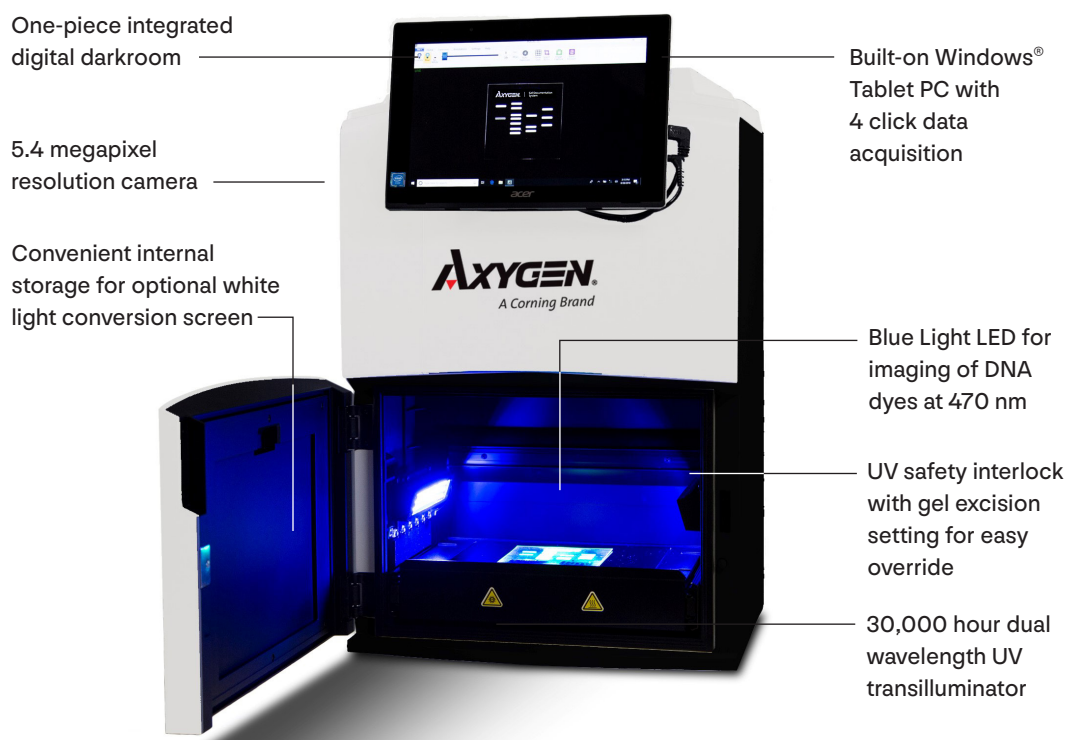
Choose from Two Axygen Gel Documentation Systems

- ▶ **Axygen Gel Documentation System** is an ideal system for labs that want good value without compromising ease of use or image quality. It includes a dual-wavelength transilluminator, 5.4 MP image resolution camera, and image acquisition software (PC not included).
- ▶ **Axygen Gel Documentation System-BL** has all the features of the standard Axygen Gel Documentation system, as well as built-in blue lights and a built-on Microsoft® Windows® tablet. The blue lights are designed for use with EtBr replacement dyes to prevent damage to DNA that will be excised for subsequent analysis.

Features

- ▶ Darkroom tab lets you select from UV 302, UV 365, Epi White, or Epi Blue (BL system only) light sources, as well as an optional Trans White light illumination tray.
- ▶ Auto Exposure tool calculates the optimal exposure time with just a single click. You can also use the Slider tool to manually adjust the exposure time and view an updated live image.
- ▶ Select ROI tool allows you to select a region of interest. The Auto Exposure calculations are only based on the selected region. This feature is especially useful for gels that have either intense or faint bands.
- ▶ Band Excision tool allows you to temporarily override the safety precautions in the system to view the gel with the lights on. Always wear protective eyewear when working with UV light.
- ▶ Imaging tools include crop, rotate, resize, contrast, saturation, and zoom. Annotation tools include a variety of text and drawing tools. Finished images can be saved, printed, emailed, or exported for further analysis.
- ▶ Transillumination bulbs last for 30,000 hours – which equals over 3.5 years if the bulbs were in continuous use.

Axygen® Gel Documentation System-BL



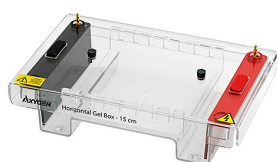
	Axygen Gel Documentation System	Axygen Gel Documentation System-BL
Camera	5.4 MP image resolution	5.4 MP image resolution
Lens	F1.8	F1.8
Light Sources	<ul style="list-style-type: none"> ▶ Epi White ▶ Dual wavelength transillumination at 302 nm and 365 nm 	<ul style="list-style-type: none"> ▶ Epi White ▶ Dual wavelength transillumination at 302 nm and 365 nm ▶ Epi Blue
Field of View	15 x 20 cm	15 x 20 cm
Cabinet	<ul style="list-style-type: none"> ▶ Door sensor to prevent accidental exposure to UV; automatically shuts off UV light when door is open ▶ Safety override, enabling band cutting on the UV transilluminator with automatic turn off after 5 minutes 	<ul style="list-style-type: none"> ▶ Door sensor to prevent accidental exposure to UV; automatically shuts off UV light when door is open ▶ Safety override, enabling band cutting on the UV transilluminator with automatic turn off after 5 minutes
Emission Filter	590 nm	590 nm
3-position Filter Slider	No	Yes
Certifications	CE, cTUVus	CE, cTUVus
Product Footprint	12 x 15 in. (30.48 x 38.1 cm)	12 x 15 in. (30.48 x 38.1 cm)
Computer	Operating system: Microsoft® Windows® 10 and above Minimum hardware requirements: 1.4 GHz processor speed, 2 GB RAM, 16 GB free hard disk space, 2 USBs	Tablet included: Windows 11 tablet computer enables compatibility with existing networks, as well as easy setup with Bluetooth and wireless compatible, or USB to LAN compatible. <ul style="list-style-type: none"> ▶ 13" touch screen ▶ 12 GB of RAM

Cat. No.	Description
GD-1000	Gel Documentation System
GDBL-1000	Gel Documentation System-BL

Accessories

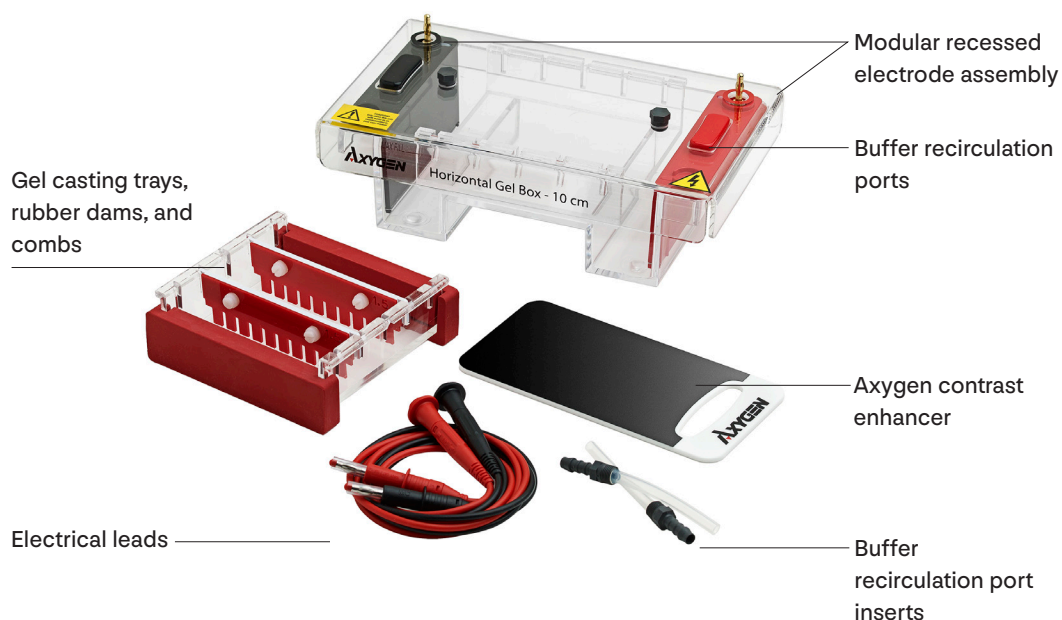
Cat. No.	Description
GD-BLCS	Gel Documentation System blue light conversion screen for GD-1000
GD-WLCS	Gel Documentation System white light conversion screen for GD-1000 and GDBL-1000
GD-GCT	Gel carrying tray for GD-1000 and GDBL-1000
GD-GCS	UV transmitting tray that protects UV transilluminator when cutting out bands
GD-OG	Orange glasses ideal for reducing background when cutting out bands with blue light
GD-USBS	USB hub
GD-USBMK	USB mouse and keyboard
AX-014	Replacement tablet for GDBL-1000

Axygen® Horizontal Gel Boxes



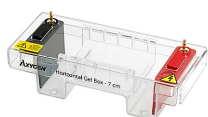
Axygen horizontal gel boxes are high quality, full featured units designed for exceptional durability and efficiency. The gel boxes feature leak-free external gel casting, which allows you to cast one gel outside of the box while another gel is running inside. The units are available in four different sizes, and each unit comes with two sizes of gel trays. In addition, they have easy to replace electrodes that are recessed to reduce potential damage. These gel boxes are an excellent value that will provide years of reliable service.

- Flexibility – each unit comes with 2 sizes of gel trays to optimize applications
- External gel casting to gel box allows for running gels while casting the next one
- Ease of use – the Axygen contrast enhancer makes loading gels easier
- Rugged injection molding is supported by a 3-year warranty
- Larger units come with recirculation ports allowing for buffer exchange



Four sizes of horizontal tanks. Each comes with 2 sizes of gel trays which allow for external gel casting. Three larger sizes come with recirculation ports for use as needed.

HGB-7



Tray sizes 7 x 7 cm, 7 x 10 cm

Recirculation ports No

Combs 2 x 8 well, 1.5 mm thickness

HGB-10



Tray sizes 10 x 10 cm, 10 x 12 cm

Recirculation ports Yes

Combs 2 x 10 multi-channel compatible well, 1.5 mm thickness

HGB-15



Tray sizes 15 x 10 cm, 15 x 15 cm

Recirculation ports Yes

Combs 1 x 16 multi-channel compatible well, 1.5 mm thickness
1 x 20 well, 1.5 mm thickness

HGB-20



Tray sizes 20 x 20 cm, 20 x 25 cm

Recirculation ports Yes

Combs 2 x 20 multi-channel compatible well, 1.5 mm thickness
2 x 40 multi-channel compatible well, 1.5 mm thickness

Combs and Accessories

Axygen Horizontal Gel Box, 7 cm

Cat. No.	Description
HGB-7	Axygen horizontal gel box, 7 cm
HGB7-5-15	5-well comb for use with 7 cm gel box, 1.5 mm thickness
HGB7-8-075	8-well comb for use with 7 cm gel box, 0.75 mm thickness
HGB7-8-1	8-well comb for use with 7 cm gel box, 1.0 mm thickness
HGB7-10-1	10-well comb for use with 7 cm gel box, 1.0 mm thickness
HGB7-10-15	10-well comb for use with 7 cm gel box, 1.5 mm thickness
HGB7-12MC-1	12-well multi-channel compatible comb for use with 7 cm gel box, 1.0 mm thickness
HGB7-12MC-15	12-well multi-channel compatible comb for use with 7 cm gel box, 1.5 mm thickness
HGB7-16-1	16-well comb for use with 7 cm gel box, 1.0 mm thickness
HGB7-16-15	16-well comb for use with 7 cm gel box, 1.5 mm thickness

Axygen Horizontal Gel Box, 10 cm

Cat. No.	Description
HGB-10	Axygen horizontal gel box, 10 cm
HGB10-8-1	8-well comb for use with 10 cm gel box, 1.0 mm thickness
HGB10-10MC-1	10-well multi-channel compatible comb for use with 10 cm gel box, 1.0 mm thickness
HGB10-10MC-15	10-well multi-channel compatible comb for use with 10 cm gel box, 1.5 mm thickness
HGB10-12-075	12-well comb for use with 10 cm gel box, 0.75 mm thickness
HGB10-12-1	12-well comb for use with 10 cm gel box, 1.0 mm thickness
HGB10-12-15	12-well comb for use with 10 cm gel box, 1.5 mm thickness
HGB10-16-075	16-well comb for use with 10 cm gel box, 0.75 mm thickness
HGB10-16-1	16-well comb for use with 10 cm gel box, 1.0 mm thickness
HGB10-16-15	16-well comb for use with 10 cm gel box, 1.5 mm thickness
HGB10-16-2	16-well comb for use with 10 cm gel box, 2.0 mm thickness
HGB10-20MC-1	20-well multi-channel compatible comb for use with 10 cm gel box, 1.0 mm thickness
HGB10-20MC-15	20-well multi-channel compatible comb for use with 10 cm gel box, 1.5 mm thickness
HGB10-25-1	25-well comb for use with 10 cm gel box, 1.0 mm thickness
HGB10-25-2	25-well comb for use with 10 cm gel box, 2.0 mm thickness

Combs and Accessories (Continued)

Axygen® Horizontal Gel Box, 15 cm

Cat. No.	Description
HGB-15	Axygen horizontal gel box, 15 cm
HGB15-8-15	8-well comb for use with 15 cm gel box, 1.5 mm thickness
HGB15-10-1	10-well comb for use with 15 cm gel box, 1.0 mm thickness
HGB15-10-15	10-well comb for use with 15 cm gel box, 1.5 mm thickness
HGB15-12-1	12-well comb for use with 15 cm gel box, 1.0 mm thickness
HGB15-12-15	12-well comb for use with 15 cm gel box, 1.5 mm thickness
HGB15-14MC-1	14-well multi-channel compatible comb for use with 15 cm gel box, 1.0 mm thickness
HGB15-14MC-15	14-well multi-channel compatible comb for use with 15 cm gel box, 1.5 mm thickness
HGB15-14MC-2	14-well multi-channel compatible comb for use with 15 cm gel box, 2.0 mm thickness
HGB15-16-1	16-well comb for use with 15 cm gel box, 1.0 mm thickness
HGB15-16MC-1	16-well multi-channel compatible comb for use with 15 cm gel box, 1.0 mm thickness
HGB15-16MC-15	16-well multi-channel compatible comb for use with 15 cm gel box, 1.5 mm thickness
HGB15-16MC-2	16-well multi-channel compatible comb for use with 15 cm gel box, 2.0 mm thickness
HGB15-18MC-1	18-well multi-channel compatible comb for use with 15 cm gel box, 1.0 mm thickness
HGB15-18MC-15	18-well multi-channel compatible comb for use with 15 cm gel box, 1.5 mm thickness
HGB15-20-075	20-well comb for use with 15 cm gel box, 0.75 mm thickness
HGB15-20-1	20-well comb for use with 15 cm gel box, 1.0 mm thickness
HGB15-20-15	20-well comb for use with 15 cm gel box, 1.5 mm thickness
HGB15-20-2	20-well comb for use with 15 cm gel box, 2.0 mm thickness
HGB15-28MC-075	28-well multi-channel compatible comb for use with 15 cm gel box, 0.75 mm thickness
HGB15-28MC-1	28-well multi-channel compatible comb for use with 15 cm gel box, 1.0 mm thickness
HGB15-28MC-15	28-well multi-channel compatible comb for use with 15 cm gel box, 1.5 mm thickness
HGB15-30MC-1	30-well multi-channel compatible comb for use with 15 cm gel box, 1.0 mm thickness
HGB15-30MC-15	30-well multi-channel compatible comb for use with 15 cm gel box, 1.5 mm thickness
HGB15-35-15	35-well comb for use with 15 cm gel box, 1.5 mm thickness

Axygen Horizontal Gel Box, 20 cm

Cat. No.	Description
HGB-20	Axygen horizontal gel box, 20 cm
HGB20-16-075	16-well comb for use with 20 cm gel box, 0.75 mm thickness
HGB20-20MC-075	20-well comb for use with 20 cm gel box, 0.75 mm thickness
HGB20-20MC-1	20-well multi-channel compatible comb for use with 20 cm gel box, 1.0 mm thickness
HGB20-20MC-15	20-well multi-channel compatible comb for use with 20 cm gel box, 1.5 mm thickness
HGB20-25-1	25-well comb for use with 20 cm gel box, 1.0 mm thickness
HGB20-30-1	30-well comb for use with 20 cm gel box, 1.0 mm thickness
HGB20-40MC-1	40-well multi-channel compatible comb for use with 20 cm gel box, 1.0 mm thickness
HGB20-40MC-15	40-well multi-channel compatible comb for use with 20 cm gel box, 1.5 mm thickness
HGB20-40MC-2	40-well multi-channel compatible comb for use with 20 cm gel box, 2.0 mm thickness
HGB20-50-2	50-well comb for use with 20 cm gel box, 2.0 mm thickness

Gel Trays

HGB7-7-GT	Gel tray 7 x 7 cm for use with 7 cm gel box, UV transparent
HGB7-10-GT	Gel tray 7 x 10 cm for use with 7 cm gel box, UV transparent
HGB10-10-GT	Gel tray 10 x 10 cm for use with 10 cm gel box, UV transparent
HGB15-10-GT	Gel tray 15 x 10 cm for use with 15 cm gel box, UV transparent
HGB15-15-GT	Gel tray 15 x 15 cm for use with 15 cm gel box, UV transparent
HGB20-20-GT	Gel tray 20 x 20 cm for use with 20 cm gel box, UV transparent

Replacement Electrodes

HGB7-NE	Replacement negative electrode, 7 cm
HGB7-PE	Replacement positive electrode, 7 cm
HGB10-NE	Replacement negative electrode, 10 cm
HGB10-PE	Replacement positive electrode, 10 cm
HGB15-NE	Replacement negative electrode, 15 cm
HGB15-PE	Replacement positive electrode, 15 cm
HGB20-NE	Replacement negative electrode, 20 cm
HGB20-PE	Replacement positive electrode, 20 cm

Rubber Casting Dams

HGB7-CD	Casting dams for use with 7 cm gel box, set of 2
HGB10-CD	Casting dams for use with 10 cm gel box, set of 2
HGB15-CD	Casting dams for use with 15 cm gel box, set of 2
HGB20-CD	Casting dams for use with 20 cm gel box, set of 2

Accessories

HGB7-AD	Power supply adapters, 4 mm to 4 mm, 2/pk
HGB7-AD2	Power supply adapters, 4 mm to 2 mm, 2/pk
HGB-EL	Electrical leads (1 pair)



Axygen® Power Supplies

The Axygen Power Supplies are full-featured power sources ideal for molecular biology workflows including DNA, RNA, and protein gel electrophoresis applications, as well as blotting. The compact user interface has 4 sets of color-coded terminals allowing for use with up to 4 gel boxes simultaneously. Depending on the model, operating modes include constant voltage, current, or power all with automatic crossover feature. The Power Supplies feature an easy to set, LCD backlit, digital display to perform according to the needs of your operational parameters. The PS250HA has the ability to set programs with 10 steps per program. Both units have timers, are stackable, and are engineered with safety in mind to meet the requirements that today's protocols demand.

PS250HA

- ▶ High amperage optimal for Western blotting
- ▶ Programmable

PS300GP

- ▶ Ideal for small format protein gels or DNA horizontal gels
- ▶ Easy to run constant mode for consistent Voltage or Amperage protocols

	Axygen PS250HA Power Supply	Axygen PS300GP Power Supply
Input Power (switchable)	115 VAC, 50/60 Hz 230 VAC, 50/60 Hz	115 VAC, 50/60 Hz 230 VAC, 50/60 Hz
Output power	300W	90W
Output voltage range	5 to 250V	2 to 300V
Output current range	10 to 3000 mA	4 to 500 mA
Timer	Approx. 99.99 hr./min.	Approx. 99.99 hr./min.
Terminal pairs	4 positive voltage and 4 negative voltage	4 positive voltage and 4 negative voltage
Operating Modes	Constant Voltage: 1V step Constant Current: 10 mA step Constant Power: 1W step	Constant Voltage: 1V increment settings Constant Current: 1 mA increment settings
Crossover	Automatic	Automatic
Pause function	Yes	Yes
Safety features	No Load Detection Load Change Detection Overload Detection Ground Leak Detection Auto Restart	No Load Detection Load Change Detection Overload Detection Ground Leak Detection Auto Restart
Programmable	Yes. Can store up to ten 10-step methods	No
Housing size (W x D x H)	7.9 x 12.4 x 3.4 in. (20 x 31.4 x 8.5 cm)	7.9 x 12.4 x 3.4 in. (20 x 31.4 x 8.5 cm)
Weight	5.4 lbs. (2.45 kg)	5.4 lbs. (2.45 kg)
Certifications	CE; cETLus	CE; cETLus
Warranty	3 years	3 years

Cat. No.	Description
PS250HA	250V high amperage power supply, 115V
PS250HA-230V	250V high amperage power supply, 230V
PS300GP	300V general purpose power supply, 115V
PS300GP-230V	300V general purpose power supply, 230V

NOTE: The 115V and 230V in the product description refer to the plug type necessary to operate in your region.

Axygen® MaxyGene II Thermal Cyclers



The Axxygen MaxyGene II Thermal Cycler brings increased speed and advanced features, providing the premium performance you have come to expect from Axxygen brand products.

- ▶ Unique flexible programming
- ▶ Rapid run times
- ▶ Improved workflow over traditional gradient cyclers
- ▶ Ramping rates up to 5°C/sec.
- ▶ Simple user interface
- ▶ Adjustable heated lid accommodates strips, tubes, and microplates
- ▶ Pre-programmed standard protocols
- ▶ 3-year warranty

The Axxygen MaxyGene II Thermal Cycler is extremely simple to program, compact in design, and built to perform (Figure 1). It makes method optimization affordable and provides consistent, reliable results. Precision Thermal Control provides rapid heating and cooling of the precision-machined sample block by six independently temperature-controlled Peltier modules. A sophisticated algorithm program calculates sample temperature and triggers heating and cooling accordingly, minimizing over- and under-shooting.

The MaxyGene II Thermal Cycler may be programmed to operate between one and six different annealing temperatures across the block (Figure 2). This thermal cycler provides improved throughput by reducing time and simplifies workflow by reducing steps.

Figure 1. MaxyGene Thermal Cycler Screen

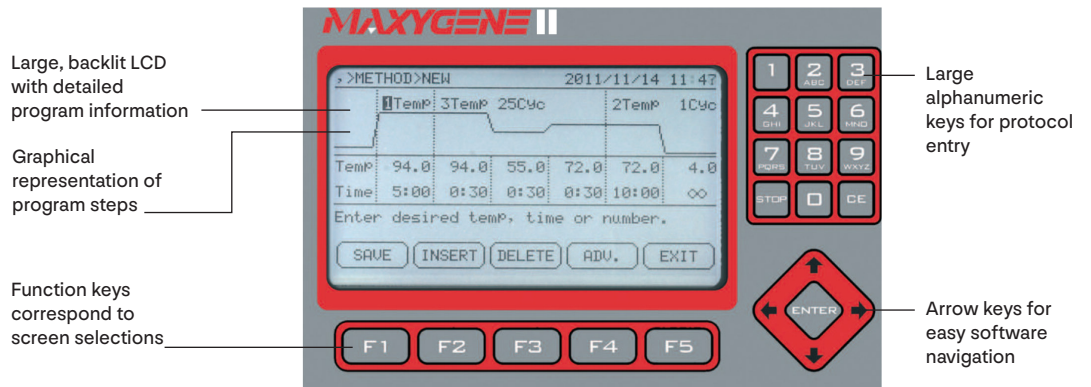
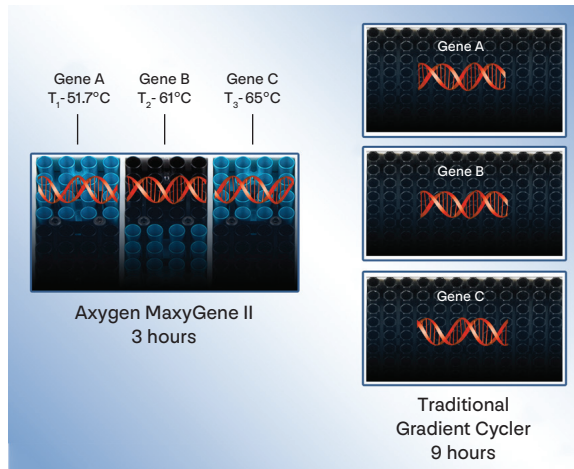


Figure 2. Primers designed to anneal to various genes (e.g., Gene A, B, and C) typically have different annealing temperatures (T_1 , T_2 , and T_3). The Axxygen MaxyGene II thermal cycler can perform up to six different reactions, significantly reducing steps and time.



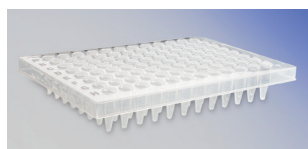
A variety of applications can be performed with the Axygen® MaxyGene II thermal cycler, from single temperature soaks to sophisticated multi-step programs. All of these are easily set up. The time or temperature of a cycling step can be automatically increased or decreased during successive cycles. This is useful for “touchdown” applications and for extending annealing times as enzyme is depleted. Programs may also be paused while running. During operation, actual times and temperatures are displayed. Estimated run times are automatically calculated, and a log of the last run can be displayed or downloaded to a printer or PC.

Sample Capacity	1 x 96-well microplate, 12 x 8 x 0.2 mL strip tubes, 96 x 0.2 mL tubes
Programmable Temp. Range	4°C to 99.9°C
Temperature Control	Calculated or block
Temp. Accuracy/Uniformity	±0.5°C/±0.5°C
Max. Heating Range among the	30°C to 99°C 6 Peltier Blocks
Max. Temperature Difference	24°C
Ramp Rates	5°C/sec. heating, 3.5°C/sec. cooling
Optimization Technology	Six 4 x 4 Peltier blocks with independently programmable temperatures
Programmable Lid Temperature	60°C to 65°C, 100°C to 115°C
Program Memory	200 complete programs
Temp. Increments/Decrements	Yes
Time Increments/Decrements	Yes
User Program Folders	Yes
Password Protected Programs	Yes
Communication	USB and RS232 ports
Dimensions (W x D x H)	9.5 x 9.8 x 16.5 in. (24 x 25 x 42 cm)
Weight	19.8 lbs. (9 kg)
Electrical	120V or 240V, 50/60 Hz

Cat. No.	Description
THERM-1001	MaxyGene II Thermal Cycler with 96-well block, 120V
THERM-1000	MaxyGene II Thermal Cycler with 96-well block, 230V

Compatible Axygen PCR Products

Cat. No.	Description	Qty/Cs	Qty/Cs
PCR-0208-C	0.2 mL clear thin wall PCR 8-strip tubes	125	1,250
PCR-0208-CP-C	0.2 mL clear thin wall PCR 8-strip tubes and clear 8-strip domed caps	125	1,250
PCR-0208-FCP-C	0.2 mL clear thin wall PCR 8-strip tubes and clear flat 8-strip caps with writing surface	125	1,250
PCR-02-C	0.2 mL clear flat cap thin wall PCR tubes	1,000	10,000
PCR-02D-C	0.2 mL clear domed cap thin wall PCR tubes	1,000	10,000
PCR-02-FCP-C	0.2 mL clear flat PCR 8-strip caps with writing surface	125	1,250
PCR-2CP-RT-C	0.2 mL clear 8-strip flat caps for real-time PCR	125	1,250
PCR-96-FLT-C	96-well clear flat top non skirt PCR microplate	25	100
PCR-96-FS-C	96-well clear full skirt PCR microplate	10	50
PCR-96-FS-C-PBC	96-well clear full skirt PCR microplate with bar code	10	50
PCR-96M2-HS-C	96 well clear half skirt PCR microplate with a single notch	10	50
PCR-96M2-HS-C-PBC	96-well clear half skirt PCR microplate with a single notch with barcode	10	50
PCR-TS	PCR tight seal thermal sealing film for all thermal cyclers	100	500
UC-500	Ultra clear pressure sensitive sealing film	100	500



Axygen® PlateMax™ Semi-automated Plate Sealers



Easy-to-set time and temperature settings

The Axygen PlateMax semi-automated plate sealer is ideal for the low to medium throughput laboratory that requires uniform and consistent sealing of microplates. Sealing parameters are set and displayed via the user-friendly control panel and the sealing operation is semi-automated to ensure consistent results.

The PlateMax plate sealer control system features an intuitive layout with settings for all types of plates and sealing materials. The Mode button selects sealing time or temperature, and the control knob adjusts the setting.

- ▶ Accepts a wide range of microplates and heat seals
- ▶ User-friendly control system
- ▶ Large digital display shows all operating parameters
- ▶ Adjustable sealing temperature

Simple 3-step Operation

1. Set time and temperature.
2. Place a microplate in the open drawer
3. Place a heat seal on top of the plate and press the Seal button.

Versatile and Convenient

The PlateMax plate sealer accepts a wide variety of plate types and heights. An aluminum adapter is used for PCR and standard assay plates. The motorized heated platen automatically adjusts for different plate heights and provides uniform pressure to ensure a quality seal. The platen incorporates a special non-stick coating. The side access door allows for easy cleaning.

Safe

The internal heating elements are situated inside the instrument casing, and an internal safety door prevents access to the heated area. In addition, the motorized drawer features safety switches. If a hand or object obstructs the closing drawer, the drawer motor will reverse. This feature protects both the user and the instrument.

Dimensions (W x D x H)	6.75 x 12.75 x 14.25 in. (17.1 x 32.4 x 36.2 cm)
Weight	27 lbs. (12 kg)
Sealing Temperature	Off, 100°C to 190°C (increments of 1.0°C)
Temperature Accuracy	±1.0°C
Temperature Uniformity	±1.0°C
Sealing Time	0.5 to 10 sec. (increments of 0.1 sec)
Compatible Plate Materials	PP (Polypropylene), PS (Polystyrene)
Compatible Plate Types	Standard assay plates, deep-well storage plates, PCR plates: skirted, semi-skirted, non-skirted
Maximum Plate Height	1.77 in. (4.5 cm)
Compatible Sealing Film Types	Foil-polypropylene laminate, clear polyester-polypropylene laminate, clear polymer, thin clear polymer, foil-laminate, foil

Cat. No.	Description
HS-1120	PlateMax plate sealer, includes adapters for standard and deep well microplates, 120V
HS-1230	PlateMax plate sealer, includes adapters for standard and deep well microplates, 230V

Related Products

Cat. No.	Description	Qty/Cs	Qty/Cs
HS-100-QPCR	PlateMax UltraClear permanent heat sealing film for qPCR	100	500
HS-150-QPCR	PlateMax UltraClear peelable heat sealing film for qPCR	100	500
HS-200	PlateMax peelable heat sealing film for low temperature compound storage and PCR	100	500
HS-300	PlateMax pierceable aluminum heat sealing film for low temperature compound storage and PCR	100	500

Liquid Handling Equipment



Corning® Lambda™ EliteTouch™ Single- and Multi-channel Pipettors

- ▶ Ergonomic handle design is a perfect fit for both the right and left hand
- ▶ Convenient one-hand volume setting with auto-lock system prevents accidental volume change
- ▶ 4-digit counter provides greater precision and is perfectly positioned for visibility at all times
- ▶ Single-channel pipettors are compatible with very narrow tubes
- ▶ Fully autoclavable and UV-resistant for sample protection against contaminations
- ▶ The multi-channel shafts retract individually for perfect tip loading and easier tip ejection
- ▶ Unique ejector lever system enables effortless tip ejection
- ▶ Easy in-lab calibration helps you quickly adjust your pipettor to various liquid types
- ▶ Individually tested and supplied with a certificate of quality
- ▶ Additional colored pushbuttons (included) enable easy size identification and reduce the risk of cross-contamination
- ▶ 3-year warranty

Single-channel

Cat. No.	Volume Range (μL)	Accuracy (%)	Precision (%)	Non-filtered Tip (μL)
6050	0.1 - 2	±40.0 to ±1.5	≤12.0 to ≤0.7	10
6051	0.5 - 10	±4.0 to ±1.0	≤2.8 to ≤0.4	10
6052	2 - 20	±3.5 to ±0.8	≤1.5 to ≤0.3	200
6053	5 - 50	±3.5 to ±0.8	≤1.3 to ≤0.3	200
6054	10 - 100	±3.0 to ±0.8	≤1.0 to ≤0.2	200
6055	20 - 200	±2.0 to ±0.6	≤0.7 to ≤0.2	200
6056	100 - 1,000	±2.5 to ±0.6	≤0.6 to ≤0.2	1,000

8-channel

6057	0.5 - 10	±10.0 to ±2.0	≤8.0 to ≤1.2	10
6058	5 - 50	±4.0 to ±1.6	≤2.5 to ≤0.6	200
6059	10 - 200	±5.0 to ±1.0	≤3.0 to ≤0.6	200
6060	30 - 300	±3.0 to ±1.0	≤2.0 to ≤0.6	300

12-channel

6061	0.5 - 10	±10.0 to ±2.0	≤8.0 to ≤1.2	10
6062	5 - 50	±4.0 to ±1.6	≤2.5 to ≤0.6	200
6063	10 - 200	±5.0 to ±1.0	≤3.0 to ≤0.6	200
6064	30 - 300	±3.0 to ±1.0	≤2.0 to ≤0.6	300

Starter Kit

Cat. No.	Description
6065	Corning Lambda EliteTouch Starter Kit Includes: 4 Single-channel pipettors (Cat. Nos. 6051 [0.5 to 10 μL], 6052 [2 to 20 μL], 6055 [20 to 200 μL], 6056 [100 to 1000 μL]; Universal linear stand for four single-channel pipettors (Cat.No. 6066); Corning DeckWorks™ pipette tips (Cat. Nos. 4135 [10 μL], 4138 [200 μL], 4140 [1000 μL]); 3 colored pushbuttons (4 sets)

Accessories

Cat. No.	Description
4088	Pipettor stand for one single-channel, 8- or 12-channel pipettor
6066	Universal linear stand, orange, for four pipettors, (four single-channel, two 8- or 12-channel pipettors)
6067	Universal linear stand, transparent, for four pipettors (four single-channel, two 8- or 12-channel pipettors)
6068	Universal linear stand, transparent, for six pipettors, (six single-channel, three 8- or 12-channel pipettors)
6069	Corning carousel stand for six Lambda EliteTouch single-channel pipettors



Corning® Lambda™ Plus Single- and Multi-channel Pipettors

- ▶ Low pipetting forces
- ▶ Volume lock prevents accidental change
- ▶ Fully autoclavable and UV-resistant
- ▶ Designed for universal fit with many common brands of pipette tips
- ▶ Factory calibrated to strict ISO 8655 standards
- ▶ 3-year warranty

Single-channel

Cat. No.	Volume Range (µL)	Accuracy (%)	Precision (%)	Non-filtered Tip (µL)
4070	0.1 - 2	±40 to ±1.5	≤12 to ≤0.7	10
4071	0.5 - 10	±4.0 to ±1.0	≤2.8 to ≤0.4	10
4072	2 - 20	±3.5 to ±0.8	≤1.5 to ≤0.3	200
4073	10 - 100	±3.0 to ±0.8	≤1.0 to ≤0.2	200
4074	20 - 200	±2.0 to ±0.6	≤0.7 to ≤0.2	200
4075	100 - 1,000	±2.5 to ±0.6	≤0.6 to ≤0.2	1,000

8-channel

4080	0.5 - 10	±10.0 to ±2.0	≤8.0 to ≤1.2	10
4081	5 - 50	±4.0 to ±1.6	≤2.5 to ≤0.6	200
4082	20 - 200	±3.0 to ±1.0	≤1.5 to ≤0.6	200/300
4083	50 - 300	±1.6 to ±1.0	≤1.5 to ≤0.6	300

12-channel

4084	0.5 - 10	±10.0 to ±2.0	≤8.0 to ≤1.2	10
4085	5 - 50	±4.0 to ±1.6	≤2.5 to ≤0.6	200
4086	20 - 200	±3.0 to ±1.0	≤1.5 to ≤0.6	200/300
4087	50 - 300	±1.6 to ±1.0	≤1.5 to ≤0.6	300

Starter Kit

Cat. No.	Description
4069	Corning® Lambda™ Plus Starter Kit Includes: 4 Single-channel pipettors (Cat. Nos. 4071 [0.5 to 10 µL], 4072 [2 to 20 µL], 4074 [20 to 200 µL], 4075 [100 to 1000 µL]; Universal carousel rack for six single-channel pipettors (Cat. No. 4078); Corning DeckWorks™ pipette tips (Cat. Nos. 4135 [10 µL], 4138 [200 µL], 4140 [1000 µL])

Accessories

Cat. No.	Description
4078	Universal carousel rack for six Corning Lambda Plus single-channel pipettors
4088	Pipettor stand for Corning 8- and 12-channel pipettors
6066	Universal linear stand for four pipettors, orange (four single-channel, maximum of two 8- or 12-channel pipettors)
6067	Universal linear stand for four pipettors, transparent (four single-channel, maximum of two 8- or 12-channel pipettors)
6068	Universal linear stand for six pipettors, transparent (six single-channel, maximum of three 8- or 12-channel pipettors)



Axygen® Axypet® Pro Single- and Multi-channel Pipettors



Axygen Axypet Pro Pipettors have been engineered to provide the highest levels of comfort, accuracy, and precision. The lightweight construction, contoured handle, and 4-digit counter were designed to ensure comfortable pipetting. All pipettors feature smooth plunger movement and extremely low pipetting forces to reduce wrist strain and fatigue (RSI). Colored pushbuttons enable easy size identification and reduce the risk of cross-contamination.

- ▶ Ergonomic handle design is a perfect fit for both the right and left hand
- ▶ Convenient one-hand volume setting with auto-lock system prevents accidental volume change during work
- ▶ 4-digit counter provides greater precision and is perfectly positioned for visibility at all times
- ▶ Single-channel pipettors are compatible with very narrow tubes
- ▶ Fully autoclavable and UV-resistant for sample protection against contaminations
- ▶ The multi-channel shafts retract individually for perfect tip loading and easier tip ejection
- ▶ Unique ejector lever system enables effortless tip ejection
- ▶ Easy in-lab calibration helps you quickly adjust your pipettor to various liquid types
- ▶ Individually tested and supplied with a certificate of quality
- ▶ 3-year warranty

Single-channel

Cat. No.	Volume Range (μL)	Accuracy (%)	Precision (%)	Non-filtered Tip (μL)
AP-2-P	0.1 - 2	±40.0 to ±1.5	≤12.0 to ≤0.7	10
AP-10-P	0.5 - 10	±4.0 to ±1.0	≤2.8 to ≤0.4	10
AP-20-P	2 - 20	±3.5 to ±0.8	≤1.5 to ≤0.3	200
AP-50-P	5 - 50	±3.5 to ±0.8	≤1.3 to ≤0.3	200
AP-100-P	10 - 100	±3.0 to ±0.8	≤1.0 to ≤0.2	200
AP-200-P	20 - 200	±2.0 to ±0.6	≤0.7 to ≤0.2	200
AP-1000-P	100 - 1,000	±2.5 to ±0.6	≤0.6 to ≤0.2	1,000

8-channel

AP-8-10-P	0.5 - 10	±10.0 to ±2.0	≤8.0 to ≤1.2	10
AP-8-50-P	5 - 50	±4.0 to ±1.6	≤2.5 to ≤0.6	200
AP-8-200-P	10 - 200	±5.0 to ±1.0	≤3.0 to ≤0.6	200
AP-8-300-P	30 - 300	±3.0 to ±1.0	≤2.0 to ≤0.6	300

12-channel

AP-12-10-P	0.5 - 10	±10.0 to ±2.0	≤8.0 to ≤1.2	10
AP-12-50-P	5 - 50	±4.0 to ±1.6	≤2.5 to ≤0.6	200
AP-12-200-P	10 - 200	±5.0 to ±1.0	≤3.0 to ≤0.6	200
AP-12-300-P	30 - 300	±3.0 to ±1.0	≤2.0 to ≤0.6	300

Starter Kit

Cat. No.	Description
AP-STR-KIT-P	Axygen Axypet Pro Starter Kit Includes: 4 Single-channel pipettors (Cat. Nos. AP-10-P [0.5 to 10 μL], AP-20-P [2 to 20 μL], AP-200-P [20 to 200 μL], AP-1000-P [100 to 1000 μL]; Universal linear stand for four single-channel pipettors (Cat.No. AP-USD4-P); Axxygen MultiRack pipette tips (Cat. Nos. MR-10XT-R [10 μL], MR-200-R [200 μL], MR-1000XT-R [1000 μL]); 3 colored pushbuttons (4 sets)

Accessories

Cat. No.	Description
AP-USD	Pipettor stand for one single-channel, 8-channel, or 12-channel pipettor
AP-USD4	Universal linear stand for four pipettors, transparent (four single-channel, maximum of two 8-channel or 12-channel pipettors)
AP-USD4-P	Universal linear stand for four pipettors, red (four single-channel, maximum of two 8-channel or 12-channel pipettors)
AP-USD6	Universal linear stand for six pipettors, transparent (six single-channel, maximum of three 8-channel or 12-channel pipettors)



Axygen® Axypet® Single- and Multi-channel Pipettors

Axygen Axypet pipettors combine high levels of accuracy and precision with design innovations to make pipetting more comfortable during prolonged periods of time.

- ▶ Thumb-friendly soft spring pipetting system reduces fatigue
- ▶ Finger-hook provides for a more relaxed grip
- ▶ Large ergonomic pushbutton is easy on the thumb during contact
- ▶ Locking feature prevents accidental volume changes during pipetting procedures
- ▶ Micrometer is continuously adjustable for selection of whole or fractional volumes
- ▶ Single-channel pipettors with turn-to-fix tip ejector adjustment system for easy adjustment to different pipette tips
- ▶ 3-year warranty

Additional multi-channel pipettor features:

- ▶ Curved ejector bar allows tips to be ejected in steps, reducing the amount of force required for ejection
- ▶ Tip manifold rotates 360°
- ▶ Shafts withdraw when pressed against a row of tips
- ▶ Each shaft moves independently, minimizing jamming of tips

Single-channel

Cat. No.	Volume Range (μL)	Accuracy (%)	Precision (%)	Non-filtered Tip (μL)
AP-2	0.1 - 2	±4.0 to ±1.5	≤1.2 to ≤0.7	10
AP-10	0.5 - 10	±4.0 to ±1.0	≤2.8 to ≤0.4	10
AP-20	2 - 20	±3.5 to ±0.8	≤1.5 to ≤0.3	200
AP-50	5 - 50	±3.5 to ±0.8	≤1.3 to ≤0.3	200
AP-100	10 - 100	±3.0 to ±0.8	≤1.0 to ≤0.2	200
AP-200	20 - 200	±2.0 to ±0.6	≤0.7 to ≤0.2	200
AP-250	50 - 250	±1.0 to ±0.6	≤0.4 to ≤0.3	300
AP-1000	100 - 1,000	±2.5 to ±0.6	≤0.6 to ≤0.2	1,000
AP-5000	500 - 5,000	±1.2 to ±0.5	≤0.5 to ≤0.15	5,000
AP-10ML	1,000 - 10,000	±2.5 to ±0.5	≤0.6 to ≤0.2	10,000

8-channel

AP-8-10	0.5 - 10	±10.0 to ±2.0	≤8.0 to ≤1.2	10
AP-8-50	5 - 50	±4.0 to ±1.6	≤2.5 to ≤0.6	200
AP-8-200	20 - 200	±3.0 to ±1.0	≤1.5 to ≤0.6	200
AP-8-300	50 - 300	±1.6 to ±1.0	≤1.5 to ≤0.6	300

12-channel

AP-12-10	0.5 - 10	±10.0 to ±2.0	≤8.0 to ≤1.2	10
AP-12-50	5 - 50	±4.0 to ±1.6	≤2.5 to ≤0.6	200
AP-12-200	20 - 200	±3.0 to ±1.0	≤1.5 to ≤0.6	200
AP-12-300	50 - 300	±1.6 to ±1.0	≤1.5 to ≤0.6	300

Starter Kits

Cat. No.	Description
AP-STR-KIT-1	Axygen Axypet Starter Kit-1 Includes: 3 Single-channel pipettors (Cat. Nos. AP-20, AP-200, AP-1000); Axxygen MultiRack pipette tips (Cat. Nos. MR-200-R [200 μL] and MR-1000XT-R [1000 μL]); Calibration tool; Lubricant; Color identification rings
AP-STR-KIT-2	Axygen Axypet Starter Kit-2 Includes: 3 Single-channel pipettors (Cat. Nos. AP-10, AP-100, AP-1000); Axxygen MultiRack pipette tips (Cat. Nos. MR-10XT-R [10 μL], MR-200-R [200 μL], MR-1000XT-R [1000 μL]); Calibration tool; Lubricant; Color identification rings

Accessories

Cat. No.	Description
AP-USD	Pipettor stand for one single-channel, 8-channel, or 12-channel pipettor
AP-USD4	Universal linear stand for four pipettors, transparent (four single-channel, maximum of two 8-channel or 12-channel pipettors)
AP-USD4-P	Universal linear stand for four pipettors, red (four single-channel, maximum of two 8-channel or 12-channel pipettors)
AP-USD6	Universal linear stand for six pipettors, transparent (six single-channel, maximum of three 8-channel or 12-channel pipettors)
AP-CSD	Carousel stand for six single-channel pipettors



Pipettor stand for one single-channel, 8-channel, or 12-channel pipettor
(Cat No. AP-USD)



Universal linear stand for four pipettors, transparent
(Cat No. AP-USD4)



Carousel stand for six single-channel pipettors
(Cat. No. AP-CSD)



Corning® Stripettor® Pro Pipet Controller

This light, ergonomic, motorized pipet controller is designed for use with glass and plastic serological pipets from 0.5 to 100 mL. Conveniently positioned switches change operating modes and speeds quickly to handle different liquid volumes and various viscosities. Aspirating and dispensing speed is controlled through the finger triggers. When fully charged, the batteries enable up to 6 hours of continuous use. The large LCD display clearly indicates battery status, pipetting mode, and speed.

- ▶ LCD display for continuous visualization of speed, modes, and battery status and dispensing
- ▶ Well positioned function buttons
- ▶ The speed can be set to one of 3 values for both HIGH and LOW value

Cat. No.	Description
4999	Stripettor Pro Pipet Controller, with 0.2 µm filter, wall hanger, universal charger with set of adapters, Li-ion battery, and charging stand
4900	Stripettor Pro Pipet Controller, with 0.2 µm filter, wall hanger, universal charger with set of adapters, and Li-ion battery

Accessories

Cat. No.	Description
4991	PTFE filter 0.2 µm (5/pk)
4992	PTFE filter 0.45 µm (5/pk)
4993	Silicone pipet holder
4947	Li-ion battery set
4948	Battery cover
4996	Universal charger, 9V with set of adapters (EU, USA, GBR, KOR, and AUS)
4997	Set of 4 colored nose pieces (orange, yellow, green, red)
4998	Charging stand

Corning Aspirator

The Corning Aspirator is an aspiration tool used for the removal of liquids from a variety of lab vessels. The device allows precise fingertip aspiration control, and is a sensible alternative to the use of glass pipets for supernatant disposal.

- ▶ The aspirator comes with a rubber adapter for accessory attachment, as well as a single-channel adapter for 1 to 200 µL disposable pipette tips
- ▶ Vacuum regulation controlled by a touch-sensitive button allows for quick and comfortable aspiration of liquids
- ▶ Entirely autoclavable for maximum safety when working with hazardous materials
- ▶ 1-year warranty

Cat. No.	Description
4930	Corning Aspirator

Accessories

Cat. No.	Description	Qty/Pk	Qty/Cs
155850	Single-channel adapter for standard 1 to 200 µL disposable pipette tips	1	1
4931	8-channel adapter for standard 1 to 200 µL disposable pipette tips	1	1
155505	Rubber adapter for glass pipets	1	1
9016	Aspirating pipet, without graduations, unplugged, sterile, paper/plastic wrapped	50	500





Transtar®-96 Accessories

A sterile 96 tip disposable cartridge, which loads into the Transtar system, enables liquids to be aspirated, transferred, and dispensed over a volume range of 25 to 200 µL in 5 µL increments.

Cat. No.	Description	Sterile	Qty/Pk	Qty/Cs
4876	Transtar disposable reservoir liner, open	Yes	1	100
4877	Transtar disposable reservoir liner, 12-channel	Yes	1	100
4878	Transtar disposable reservoir liner, 8-channel	Yes	1	100



Bottles sold separately

Corning® Bottle Top Dispensers

The Corning Bottle Top Dispenser is a universal solution for dispensing organic and inorganic liquids. The specialized air-purging and closed circuit system ensures no loss of reagent during dispensing, as well as when the device is not in use.

- ▶ Six (6) different volume models to dispense solutions from 0.25 to 100 mL
- ▶ Easy in-lab calibration with built-in recalibration mechanism
- ▶ Fully autoclavable for protection against contamination
- ▶ 3-year warranty

Cat. No.	Volume Range	Thread Size	Qty/Pk	Qty/Cs
6840	0.25 - 2.5 mL	GL 32	1	1
6841	0.5 - 5 mL	GL 32	1	1
6842	1 - 10 mL	GL 32	1	1
6843	2.5 - 25 mL	GL 45	1	1
6844	5 - 50 mL	GL 45	1	1
6845	10 - 100 mL	GL 45	1	1

Accessories

Cat. No.	Description	Qty/Pk	Qty/Cs
6867	Telescopic suction tube, 2.5 - 10 mL	1	1
6868	Telescopic suction tube, 25 - 100 mL	1	1
6869	Borosilicate Glass Accessory, one-way valve	1	1
6870	Borosilicate Glass Accessory, calcium chloride tube	1	1
6871	Thread adapter, made of PP, A32/A25	1	1
6872	Thread adapter, made of PP, A32/A28	1	1
6873	Thread adapter, made of PP, A32/A38	1	1
6874	Thread adapter, made of PP, A32/A40	1	1
6875	Thread adapter, made of PP, A32/A45	1	1
6876	Thread adapter, made of PP, A45/A32	1	1

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