

Axygen® Brand Equipment Product Selection Guide

AXYGEN®

A Corning Brand

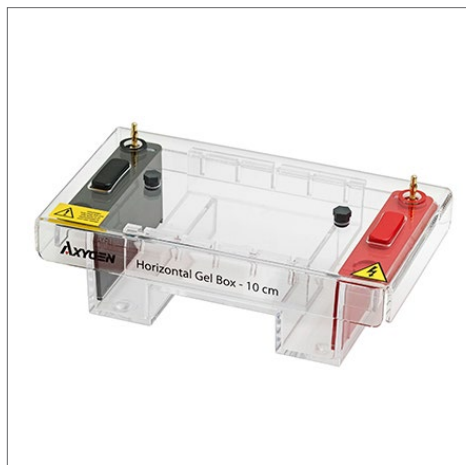


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Product Ordering Information

For information on Purchasing Options, Terms and Conditions of Sale, Return and Repair Policies, and Warranty/ Guarantee Registration, visit www.corning.com/how-to-buy.

Axygen® Gel Documentation Systems



Axygen Gel Documentation System-BL



Axygen Gel Documentation System

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
- ▶ 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 Axxygen Gel Documentation Systems

The **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).

The **Axygen Gel Documentation System-BL** has all the features of the standard Axxygen 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.

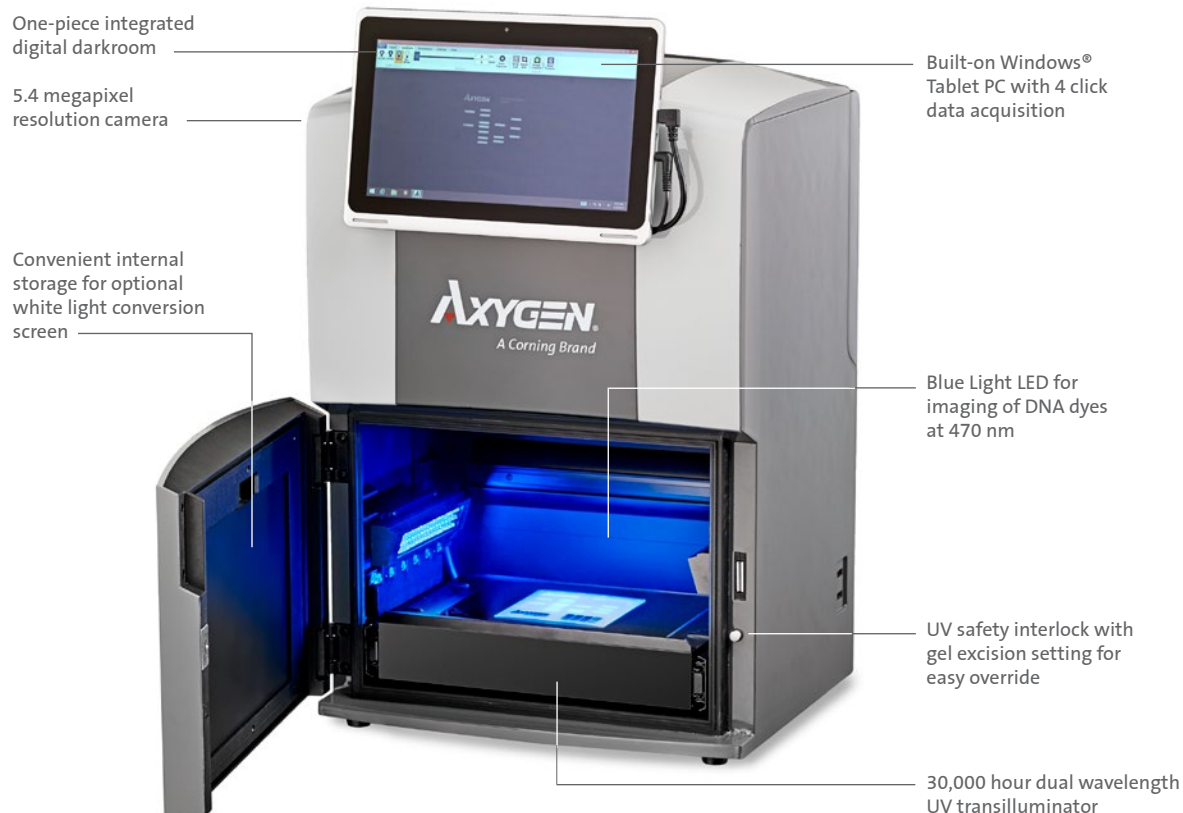
Features

- ▶ 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.**
- ▶ 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.

*BL model includes tablet computer with software already included.

**Always wear protective eyewear when working with UV light.

Everything You Expect From a High Resolution Gel Doc System—Except the High Price.



Axygen® Gel Documentation System-BL

Specifications

Axygen System	Gel Documentation System	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 cm x 20 cm	15 cm 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" (30.48 cm x 38.1 cm)	12" x 15" (30.48 x 38.1 cm)
Computer	<ul style="list-style-type: none"> ▶ Operating system: Microsoft® Windows® 7 and above ▶ Minimum hardware requirements: Intel® processor, 1.4 GHz processor speed, 2 GB RAM, 16 GB free hard disk space, 2 USBs 	<ul style="list-style-type: none"> ▶ Tablet included: Windows 10 tablet computer enables compatibility with existing networks, as well as easy setup ▶ Bluetooth and wireless compatible, or USB to LAN compatible ▶ 12" touch screen ▶ 256 GB of storage for short-term data saving

Ordering Information

Axygen® Gel Documentation Systems and Accessories

Cat. No.	Description	Qty/Pk	Qty/Cs
GD-1000	Gel Documentation System	1	1
GDBL-1000	Gel Documentation System-BL	1	1
GD-BLCS	Gel Documentation System blue light conversion screen for GD-1000	1	1
GD-WLCS	Gel Documentation System white light conversion screen for GD-1000 and GDBL-1000	1	1
GD-GCT	Gel carrying tray for GD-1000 and GDBL-1000	1	1
GDBL-PRT	Thermal printer	1	1
GD-PAPER	Thermal printer paper	1	1
GD-1D	1 user license of Total Lab 1D (more user licenses available upon request)	1	1
GDBL-BLUE	Optional blue filter (497 nm)	1	1
GDBL-GREEN	Optional green filter (572 nm)	1	1
GD-GCS	UV transmitting tray that protects UV transilluminator when cutting out bands	1	1
GD-OG	Orange glasses ideal for reducing background when cutting out bands with blue light	1	1
GD-USBS	USB hub	1	1
GD-USBMK	USB mouse and keyboard	1	1

Related Products

Axygen Gel Cutting Pipet Tips

Cat. No.	Description	Qty/Pk	Qty/Cs
TGL-1165	1.1 mm x 6.5 mm gel cutting pipet tips	250	2,500
TGL-1165-R	1.1 mm x 6.5 mm gel cutting pipet tips	480	2,400
TGL-1140	1.1 mm x 4 mm gel cutting pipet tips	250	2,500
TGL-1140-R	1.1 mm x 4 mm gel cutting pipet tips	480	2,400

Axygen Gel Loading Pipet Tips

TGL-10FT-17-R	0.17 mm, 10 µL racked flat gel loading pipet tips	400	400
TGL-200FT-37-R-S	0.37 mm, 200 µL racked flat gel loading pipet tips, sterile	400	400
TGL-200FT-37-R	0.37 mm, 200 µL racked flat gel loading pipet tips	400	400
TGL-200RD-57-R-S	0.57 mm, 200 µL racked round gel loading tips, sterile	400	400
TGL-200RD-57-R	0.57 mm, 200 µL racked round gel loading tips	400	400

Axygen DNA Markers

M-DNA-100BP	100 bp DNA ladder, 500 µL	1	1
M-DNA-1KB	1 kb DNA ladder, 500 µL	1	1

Axygen Agarose

AGR-LE-100	Agarose LE, low EEO, molecular biology grade, 100 g	1	1
AGR-LE-1001	Agarose LE, low EEO, molecular biology grade, 100 g	10	10
AGR-LE-500	Agarose LE, low EEO, molecular biology grade, 500 g	1	1
AGR-LE-5001	Agarose LE, low EEO, molecular biology grade, 500 g	10	10
AGR-LM-50	Agarose LM, low melting, molecular biology grade, 50 g	1	1
AGR-LM-501	Agarose LM, low melting, molecular biology grade, 50 g	10	10
AGR-LM-100	Agarose LM, low melting, molecular biology grade, 100 g	1	1
AGR-LM-1001	Agarose LM, low melting, molecular biology grade, 100 g	10	10
AGR-MS-50	Agarose MS, PCR screening, molecular biology grade, 50 g	1	1
AGR-MS-501	Agarose MS, PCR screening, molecular biology grade, 50 g	10	10
AGR-MS-100	Agarose MS, PCR screening, molecular biology grade, 100 g	1	1
AGR-MS-1001	Agarose MS, PCR screening, molecular biology grade, 100 g	10	10

Corning® Buffers

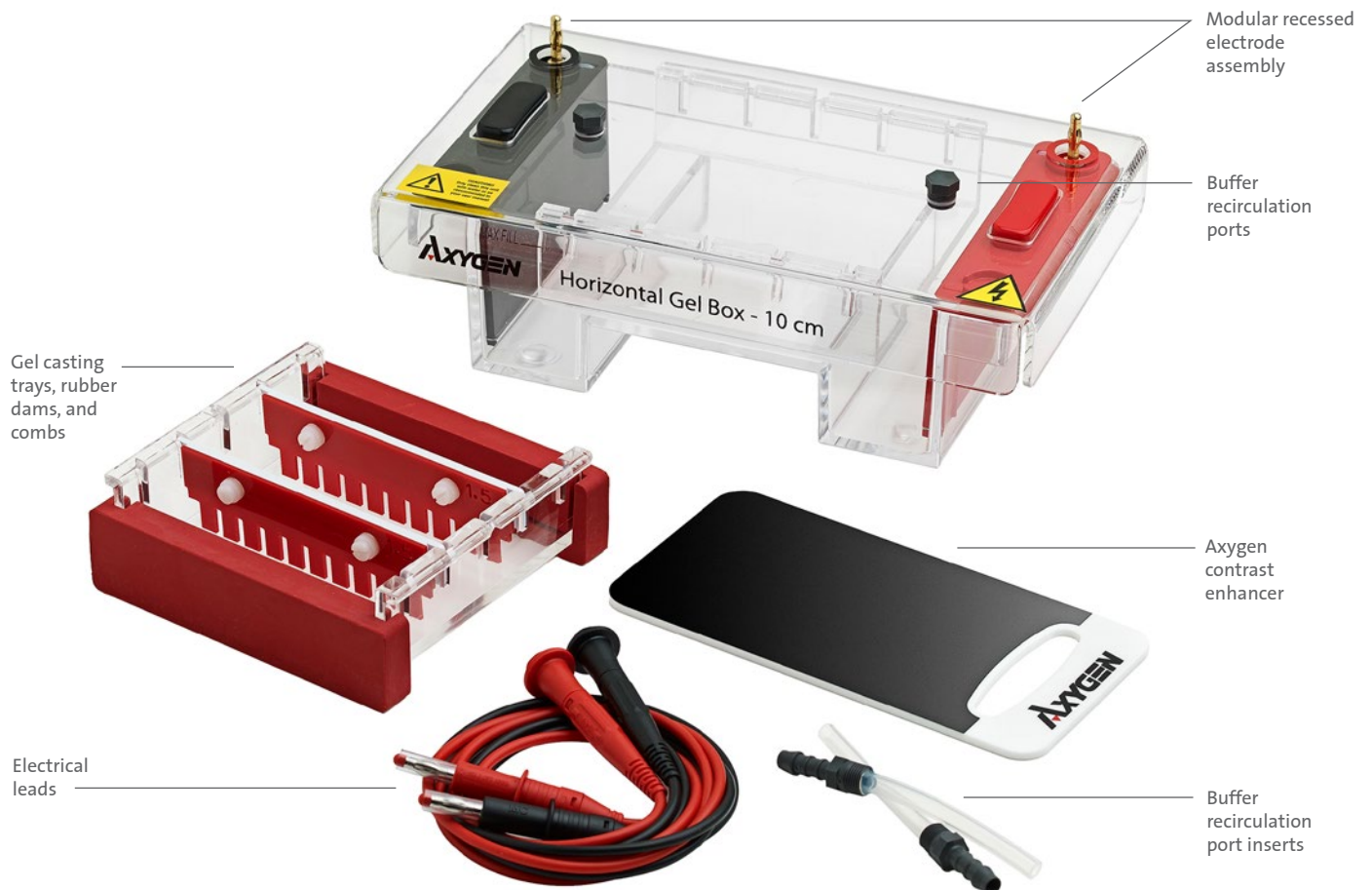
46-011-CM	TBE buffer, pH 8.4 ± 0.1, RNase-/DNase- and protease-free, 10X	1L	6
46-010-CM	TAE buffer, pH 8.3 ± 0.1, RNase-/DNase- and protease-free, 10X	1L	6

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.

Features

- ▶ 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.



Axygen® Horizontal Gel Boxes

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

Ordering Information

Combs and Accessories

Axygen Horizontal Gel Box, 7 cm

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

Axygen Horizontal Gel Box, 10 cm

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

Ordering Information (Continued)

Axygen® Horizontal Gel Box, 15 cm

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

Axygen Horizontal Gel Box, 20 cm

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

Gel Trays

HGB7-7-GT	Gel tray 7 x 7 cm for use with 7 cm gel box, UV transparent	1
HGB7-10-GT	Gel tray 7 x 10 cm for use with 7 cm gel box, UV transparent	1
HGB10-10-GT	Gel tray 10 x 10 cm for use with 10 cm gel box, UV transparent	1
HGB15-10-GT	Gel tray 15 x 10 cm for use with 15 cm gel box, UV transparent	1
HGB15-15-GT	Gel tray 15 x 15 cm for use with 15 cm gel box, UV transparent	1
HGB20-20-GT	Gel tray 20 x 20 cm for use with 20 cm gel box, UV transparent	1

Replacement Electrodes

HGB7-NE	Replacement negative electrode, 7 cm	1
HGB7-PE	Replacement positive electrode, 7 cm	1
HGB10-NE	Replacement negative electrode, 10 cm	1
HGB10-PE	Replacement positive electrode, 10 cm	1
HGB15-NE	Replacement negative electrode, 15 cm	1
HGB15-PE	Replacement positive electrode, 15 cm	1
HGB20-NE	Replacement negative electrode, 20 cm	1
HGB20-PE	Replacement positive electrode, 20 cm	1

Rubber Casting Dams

HGB7-CD	Casting dams for use with 7 cm gel box, set of 2	1
HGB10-CD	Casting dams for use with 10 cm gel box, set of 2	1
HGB15-CD	Casting dams for use with 15 cm gel box, set of 2	1
HGB20-CD	Casting dams for use with 20 cm gel box, set of 2	1

Accessories

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

Axygen® Power Supplies



PS300GP and PS250HA Ideal for most of your electrophoresis needs

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

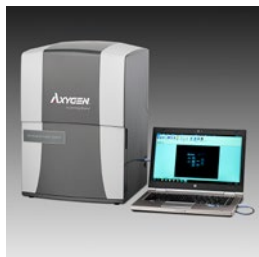
- High amperage optimal for Western blotting
- Programmable

PS300GP

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

Specifications

	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



Ordering Information

Axygen® Power Supplies

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 Horizontal Gel Boxes

Cat. No.	Description
HGB-7	Horizontal gel box (7 cm)
HGB-10	Horizontal gel box (10 cm)
HGB-15	Horizontal gel box (15 cm)
HGB-20	Horizontal gel box (20 cm)

Axygen Gel Documentation Systems

Cat. No.	Description
GD-1000	Gel documentation system
GDBL-1000	Gel documentation system with Epi blue light

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.

Features

- 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

Simplified Workflow for Improved Throughput

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

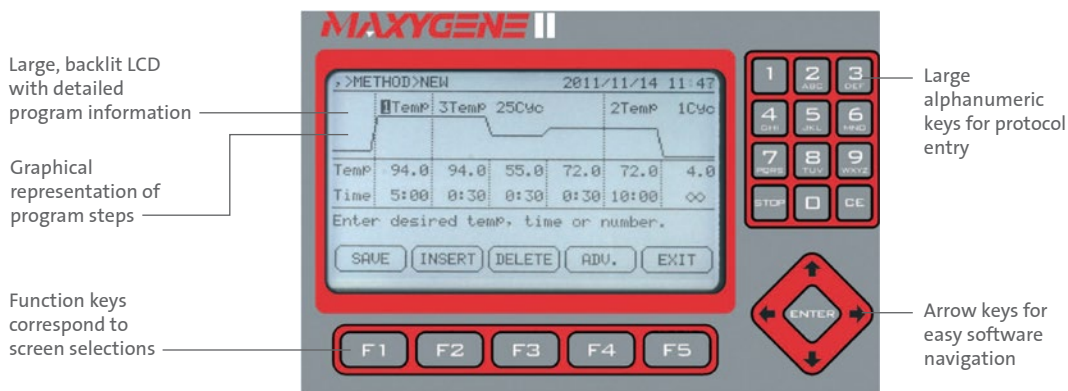
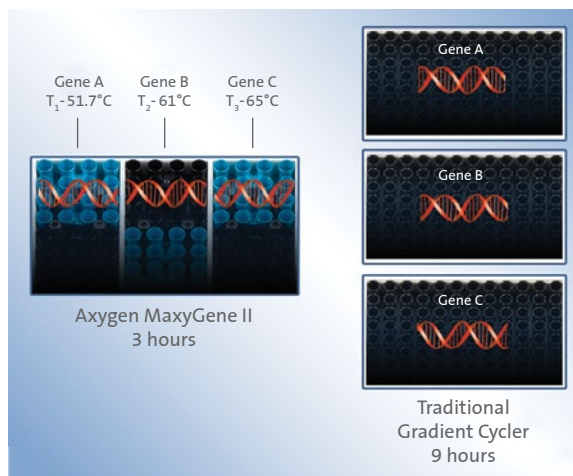


Figure 2. Primers designed to anneal to various genes (e.g., Gene A, B, and C) typically have different annealing temperatures (T_1 , T_2 , and T_3). The Axxygen MaxyGene II thermal cycler can perform up to six different reactions, significantly reducing steps and time.



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.

Specifications

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 6 Peltier Blocks	30°C to 99°C
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)	9.4 x 16.9 x 9.8 in. (24 x 43 x 25 cm)
Weight	19.8 lbs. (9 kg)
Electrical	120V or 240V, 50/60 Hz

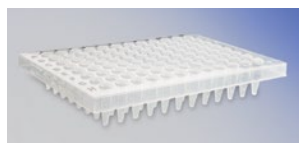
Ordering Information

Axygen MaxyGene II Thermal Cyclers

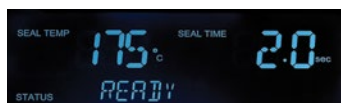
Cat. No.	Description	Qty/Pk	Qty/Cs
THERM-1001	MaxyGene II Thermal Cycler with 96-well block, 120V	—	1
THERM-1000	MaxyGene II Thermal Cycler with 96-well block, 230V	—	1

Compatible Axygen PCR Products

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-automatic Plate Sealers



Easy-to-set time and temperature settings

Compact Footprint

The Axygen PlateMax semi-automatic 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 automated to ensure consistent results.

Intuitive Layout

The PlateMax 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.

Temperature can be precisely set in increments of 1°C and time in increments of 0.1 seconds. The PlateMax has a power saving option that turns the heater off if not in use. For those labs that choose to turn this function off, you can have the PlateMax ready to run all day.

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

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 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.

Specifications

Dimensions (W x D x H)	6.75 x 12.75 x 14.25 in. (171 x 324 x 362 mm)
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), PE (Polyethylene)
Compatible Plate Types	Standard assay plates, deep-well storage plates, PCR plates: skirted, semi-skirted, non-skirted
Maximum Plate Height	45 mm
Compatible Sealing Film Types	Foil-polypropylene laminate Clear polyester-polypropylene laminate Clear polymer Thin clear polymer Foil-laminate Foil

Ordering Information

Axygen® PlateMax™ Semi-automatic Plate Sealers

Cat. No.	Description	Qty/Pk	Qty/Cs
HS-1120	PlateMax semi-automatic plate sealer, 120V, includes adapters for standard and deep-well microplates	—	1
HS-1230	PlateMax semi-automatic plate sealer, 230V, includes adapters for standard and deep-well microplates	—	1

Related Products

Cat. No.	Description	Qty/Pk	Qty/Cs
HS-100-QPCR	PlateMax ultra clear permanent heat sealing film for qPCR	100	5
HS-150-QPCR	PlateMax ultra clear peelable heat sealing film for qPCR	100	5
HS-200	PlateMax peelable heat sealing film for low temperature compound storage and PCR	100	5
HS-300	PlateMax pierceable heat sealing film for low temperature compound storage and PCR	100	5
HS-400	PlateMax peelable heat sealing film for compound storage	100	5
MF-300	PlateMax peelable heat sealing film with paper backing for general storage and PCR applications	100	1

Axygen® Axyspin Refrigerated Microcentrifuges



The Axxygen 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
- ▶ 24 x 1.5/2.0 mL aluminum rotor included
- ▶ Exceptionally quiet and compact

Axygen Axyspin Refrigerated Microcentrifuge

The Axxygen 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 down time.

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

Specifications

Speed Range	500 to 13,500 rpm
Maximum RCF	17,135 x g
Maximum Capacity	24 x 1.5/2.0 mL
Timer	0.5 to 99 minutes, or continuous 0.5 to 99 minutes, or continuous "Quick" button for momentary operation
Temperature Range	-10° to 40°C
Dimensions (W x D x H)	10.9 x 17.75 x 9.75 in. (27.7 x 45 x 24.75 cm)
Weight	44 lbs. (20 kg)
Electrical	100V-230V, 50/60 Hz

Ordering Information

Axygen Axyspin Refrigerated Microcentrifuges

Cat. No.	Voltage	Plug Type	Qty/Cs
601-05-031	120V	US	1
601-05-021	230V	EU/UK	1
601-05-011	100V	US	1

Axygen Axyspin MaxyClear SnapLock Microcentrifuge Tubes

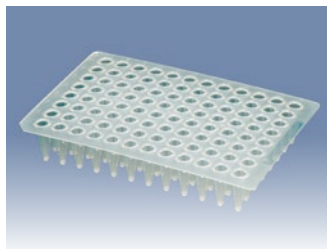
Cat. No.	Description	Qty/Pk	Qty/Cs
MCT-150-C	1.5 mL	500	5,000
MCT-200-C	2.0 mL	500	5,000

Axygen® Axyspin Mini Plate Spinner Centrifuges



The Axxygen Axyspin Plate Spinner is the first centrifuge designed specifically for quick and easy centrifugation of samples in PCR plates.

- Capacity for two standard PCR plates
- Top loading design
- Exceptionally small footprint
- Starts and stops in seconds



Specifications

Speed	2,500 rpm
Maximum RCF	500 x g
Maximum Capacity	2 standard PCR microplates
Ambient Operating Range	4°C to 35°C
Dimensions	6 x 6 x 7 in. (16 x 16 x 18 cm)
Weight	3.3 lbs. (1.5 kg)

Ordering Information

Axygen Axyspin Mini Plate Spinner Centrifuges

Cat. No.	Voltage	Plug Type	Qty/Cs
Platespinner-120	120V/60Hz	US	1
Platespinner-230EU	230V/50Hz	EU	1
Platespinner-230UK	230V/50Hz	UK	1
Platespinner-230AU	230V/50Hz	AU	1
Platespinner-100JP	100V/60Hz	US	1

For related PCR products, see page 10.

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

Axygen Axypet Pro Starter Kit

Axygen Axypet Pro Starter Kit contains four variable volume pipettors in the most popular and universal volumes (0.5-10 µL, 2-20 µL, 20-200 µL, and 100-1000 µL), pipettor stand for four pipettors, and 3 racks with tips.

Ordering Information

Axygen Axypet Pro Pipettors

Single-channel

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

8-channel

AP-8-10-P	0.5 - 10	±10.0 to ±2.0	≤8.0 to ≤1.2	10	1
AP-8-50-P	5 - 50	±4.0 to ±1.6	≤2.5 to ≤0.6	200	1
AP-8-200-P	10 - 200	±5.0 to ±1.0	≤3.0 to ≤0.6	200/300	1
AP-8-300-P	30 - 300	±3.0 to ±1.0	≤1.5 to ≤0.6	300	1

12-channel

AP-12-10-P	0.5 - 10	±10.0 to ±2.0	≤8.0 to ≤1.2	10	1
AP-12-50-P	5 - 50	±4.0 to ±1.6	≤2.5 to ≤0.6	200	1
AP-12-200-P	10 - 200	±5.0 to ±1.0	≤3.0 to ≤0.6	200/300	1
AP-12-300-P	30 - 300	±3.0 to ±1.0	≤1.5 to ≤0.6	300	1

Axygen Axypet Pro Starter Kit

Cat. No.	Description	Qty/Cs
AP-STR-KIT-P	Axygen Axypet Pro Starter Kit Includes: 4 single-channel pipettors: 0.5 to 10 µL (Cat. No. AP-10-P), 2 to 20 µL (Cat. No. AP-20-P), 20 to 200 µL (Cat. No. AP-200-P), 100 to 1000 µL (Cat. No. AP-1000-P); universal linear stand for four single-channel pipettors (Cat. No. AP-USD4-P); Axxygen MultiRack pipet tips: 10 µL (Cat. No. MR-10XT-R), 200 µL (Cat. No. MR-200-R), 1000 µL (Cat. No. MR-1000XT-R)	1



Axygen Axypet Pro Starter Kit

Axygen® Axypet® Single- and Multi-channel Pipettors



Axygen Axypet single- and 8-channel pipettors



Axygen Axypet 12-channel pipettor

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
- ▶ Unique side EZject button option reduces thumb movement*
- ▶ Large ergonomic push button 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

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

Ordering Information

Axygen Axypet Single- and Multi-channel Pipettors

Single-channel Pipettors

Cat. No.	Volume Range (μL)	Channels	Accuracy (Min./Max.)	Precision (Min./Max.)	Non-filtered Tip (μL)	Qty/Cs
AP-2	0.1 - 2	1	±40.0/±1.5%	≤12.0/≤0.7%	10	1
AP-10	0.5 - 10	1	±4.0/±0.5%	≤2.8/≤0.4%	10	1
AP-20	2 - 20	1	±3.0/±0.8%	≤1.5/≤0.3%	200	1
AP-50	5 - 50	1	±2.5/±0.8%	≤2.0/≤0.4%	200	1
AP-100	10 - 100	1	±1.6/±0.8%	≤0.8/≤0.2%	200	1
AP-200	20 - 200	1	±1.2/±0.6%	≤0.6/≤0.2%	200	1
AP-250	50 - 250	1	±1.0/±0.6%	≤0.4/≤0.3%	300	1
AP-1000	100 - 1,000	1	±1.6/±0.6%	≤0.4/≤0.15%	1,000	1
AP-5000	1,000 - 5,000	1	±0.6/±0.5%	≤0.25/≤0.15%	5,000	1
AP-10ML	1,000 - 10,000	1	±2.5/±0.5%	≤0.6/≤0.2%	10,000	1

Multi-channel Pipettors

AP-8-10	0.5 - 10	8	±10.0/±2.0%	≤8.0/≤1.2%	10	1
AP-8-50	5 - 50	8	±4.0/±1.6%	≤2.5/≤0.6%	200	1
AP-8-200	20 - 200	8	±3.0/±1.0%	≤1.5/≤0.6%	200/300	1
AP-8-300	50 - 300	8	±1.6/±1.0%	≤1.5/≤0.6%	300	1
AP-12-10	0.5 - 10	12	±10.0/±2.0%	≤8.0/≤1.2%	10	1
AP-12-50	5 - 50	12	±4.0/±1.6%	≤2.5/≤1.6%	200	1
AP-12-200	20 - 200	12	±3.0/±1.0%	≤1.5/≤0.6%	200/300	1
AP-12-300	50 - 300	12	±1.6/±1.0%	≤1.5/≤0.6%	300	1

*Left handed EZject button available by special order.

Axygen Axypet Starter Kits

Cat. No.	Description	Qty/Cs
AP-STR-KIT-1	Axygen Axypet Starter Kit-1 Includes: AP-20, AP-200, and AP-1000 pipettors; Axypet MultiRack pipet tips: 200 μL (Cat. No. MR-200-R), 1000 μL (Cat. No. MR-1000XT-R); calibration tool; ejector spacers set; identification labels; lubricant; color identification rings; right-hand ejector button	1
AP-STR-KIT-2	Axygen Axypet Starter Kit-2 Includes: AP-10, AP-100, and AP-1000 pipettors; Axypet MultiRack pipet tips: 10 μL (Cat. No. MR-10XT-R), 200 μL (Cat. No. MR-200-R), 1000 μL (Cat. No. MR-1000XT-R); calibration tool; ejector spacers set; identification labels; lubricant; color identification rings; right-hand ejector button	1



Axygen Axypet starter kit

Axygen® Axypet® Pipettor Accessories

Cat. No.	Description	Qty/Cs
AP-USD	Pipettor stand for one single-channel, 8-channel, or 12-channel pipettor	1
AP-USD4	Universal linear stand for four pipettors, transparent (four single-channel, maximum of two 8-channel or 12-channel pipettors)	1
AP-USD4-P	Universal linear stand for four pipettors, red (four single-channel, maximum of two 8-channel or 12-channel pipettors)	1
AP-USD6	Universal linear stand for six pipettors, transparent (six single-channel, maximum of three 8-channel or 12-channel pipettors)	1
AP-CSD	Carousel stand for six single-channel pipettors (not compatible with Axxygen Axypet Pro pipettors)	1



Universal linear 4-place stand (Cat. No. AP-USD4)



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



Universal linear stand for one pipettor (Cat. No. AP-USD)



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



Universal linear stand for six pipettors (Cat. No. AP-USD6)

Axygen® MotoPet™ Pipet Controller



Pressure sensitive trigger buttons control rate of aspiration or dispensing.

Axygen MotoPet is a precise, motor powered, rechargeable pipet controller for volumes ranging from 0.5 mL to 100 mL. The unit has an ergonomic design and a highly efficient motor for fast aspiration and dispense of samples as large as 100 mL and full control and precision while dispensing volumes as small as 0.5 mL. It is compatible with both glass and plastic pipets.

Features

- ▶ Molded, lightweight handle for effortless pipetting even during extended use.
- ▶ Easily accessible switches allow you to choose the optimal operation mode depending on the volume and viscosity of the sample.
- ▶ PTFE filter prevents liquid from entering the unit.

Specifications

Volume Range	0.5 mL to 100 mL
Weight	230 g
Speed Settings	2 (high and low)
Dispensing Modes	2 (gravity and blow-out)
Filter	PTFE
Power Source	NiMH battery, up to 8 hours of continuous work
Sterilization	Nose piece, pipet holder, and filter are autoclavable.



Battery charging station included.



PTFE filter protects samples from cross-contamination. The filter is autoclavable.



Digital display provides visual indication of battery condition, motor speed, and operating function.



Aspiration speed can be set to HIGH or LOW to adjust for the volume of the pipet and viscosity of the liquid.

Ordering Information

Axygen MotoPet Pipet Controller

Cat. No.	Description	Qty/Cs
MOTOPET-1	MotoPet cordless pipet controller, includes charging stand, wall hanger, and PTFE filter (0.2 µm)	1

Spare Parts

Cat. No.	Description	Qty/Cs
MOTO-SP-CONE	Nose piece	1
MOTO-SP-FLTR-1	PTFE filter, 0.2 µm	5
MOTO-SP-FLTR-2	PTFE filter, 0.45 µm	5
MOTO-SP-HLDR	Pipet holder	1
MOTO-SP-PWR	Charger 9V: EU, US, UK, AU	1

Axygen® Storage Boxes and Microcentrifuge Tube Rack



TR8300



TR8300-BLK



TR8300-B



TR8300-A



TR8210

Axygen Storage Boxes

Axygen Storage Boxes are ideal for sample storage. These polypropylene boxes are engineered to withstand the harsh environments necessary for daily workflows in your laboratory. This includes freezing temperatures at -80°C and autoclaving temperatures up to 121°C to ensure a lasting, durable product. The positive catch on the product anterior keeps the lid securely fastened, whereas the 3-point hinge functions to maintain its integrity during repeated use located on the product posterior. Sample identification can easily be assigned using the alpha-numeric indexing stamped on the inner perimeter of each box. The clear lids allow visibility when the lid is closed as this feature pairs well with our microcentrifuge tubes solution noted within the accessories section. Boxes are available in a variety of colors for coding samples and holds 100 x 1.5 to 2.0 mL tubes, cryogenic vials, or chromatography vials. A solid black box, including the lid, is available for light-sensitive samples (142 x 142 x 55 mm).

Key Features

- Supports freezing at -80°C and autoclaving at 121°C
- Alpha-numeric sample identification
- 100 x 1.5 to 2.0 mL tube capacity

Axygen Microcentrifuge Tube Rack

Axygen Microcentrifuge Tube Rack is molded from durable, autoclavable polypropylene, and features non-skid rubber feet. The rack has two levels and exhibits wide spacing to provide prime sample access and visibility. Tube positions are numbered 1 to 20 for organizing samples (210 x 75 x 35 mm).

Key Features

- Step design allows easy access to tubes
- 2 rows of 10 (20 x 1.5 to 2.0 mL total)

Ordering Information

Axygen Microcentrifuge Tube Storage Boxes and Rack

Cat. No.	Description	Qty/Cs
TR8300	100 place microcentrifuge tube box, natural, 1.5 to 2.0 mL	5
TR8300-BLK	100 place microcentrifuge tube box, opaque black, 1.5 to 2.0 mL	2
TR8300-B	100 place microcentrifuge tube box, blue, 1.5 to 2.0 mL	5
TR8300-A	100 place microcentrifuge tube box, multi-color pack, 1.5 to 2.0 mL	5
TR8210	Microcentrifuge tube support rack, red, 20 x 1.5 to 2.0 mL	2



All Axxygen Microcentrifuge Tube Storage Boxes come with a strategically placed alpha-numeric manufactured stamp to easily distinguish sample identification.

For more specific information on claims, visit www.corning.com/certificates.

Warranty/Disclaimer: Unless otherwise specified, all products are for research use or general laboratory use only. Not intended for use in diagnostic or therapeutic procedures. Corning Life Sciences makes no claims regarding the performance of these products for clinical or diagnostic applications.



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