Axygen® Brand Equipment Product Selection Guide
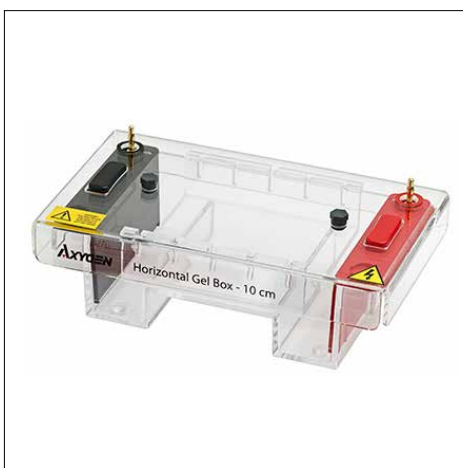
Contents

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 Axygen 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 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.
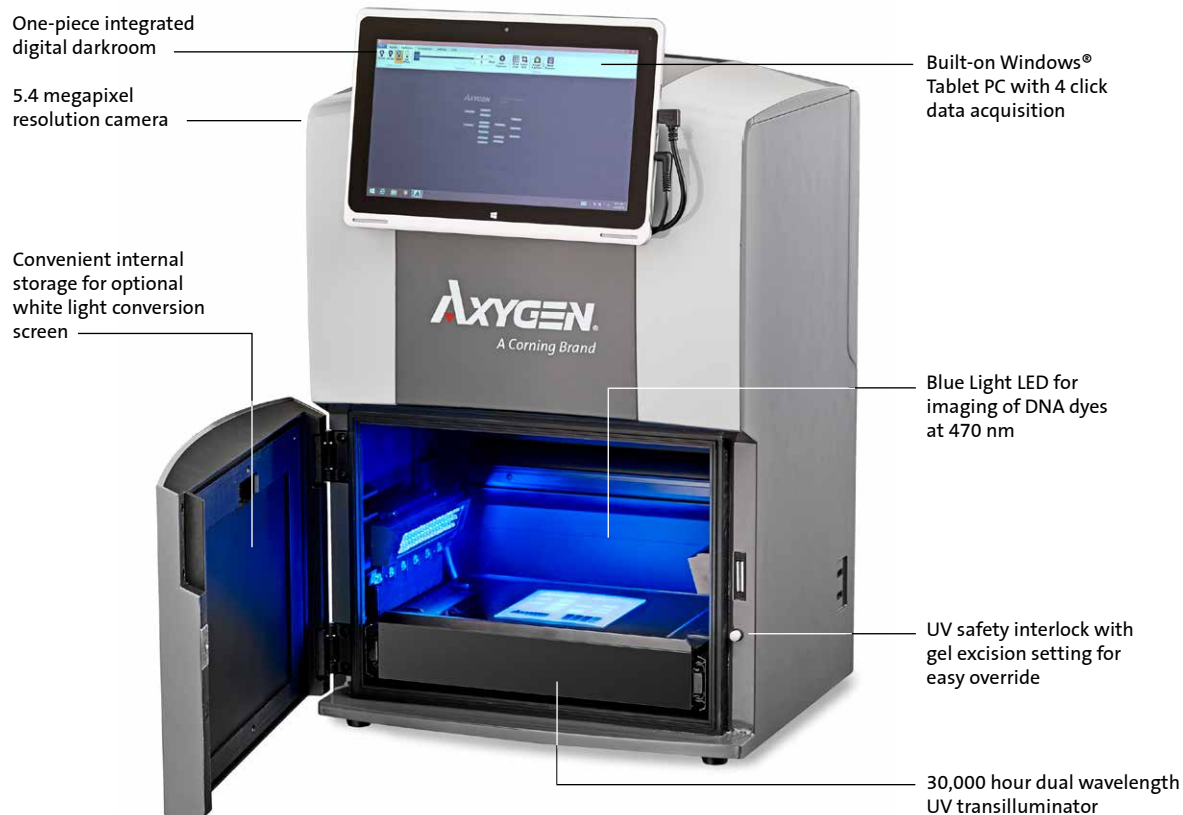
Features

◗ 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.**

◗ 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.

One-piece integrated digital darkroom

5.4 megapixel resolution camera

Convenient internal storage for optional white light conversion screen

Built-on Windows® Tablet PC with 4 click data acquisition

Blue Light LED for imaging of DNA dyes at 470 nm

UV safety interlock with gel excision setting for easy override

30,000 hour dual wavelength UV transilluminator

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	◗ Epi White ◗ Dual wavelength transillumination at 302 nm and 365 nm	◗ Epi White ◗ Dual wavelength transillumination at 302 nm and 365 nm ◗ Epi Blue
Trans White Light Illumination Tray	Optional	Optional
Field of View	15 cm x 20 cm	15 cm x 20 cm
Cabinet	◗ 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	◗ 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	◗ Operating system: Microsoft® Windows® 7 or higher ◗ Minimum hardware requirements: Intel® processor, 1.4 GHz processor speed, 2 GB RAM, 16 GB free hard disk space, 2 USBs	◗ Tablet included: Windows 8 tablet computer enables compatibility with existing networks, as well as easy setup (also Windows 10 compatible) ◗ Bluetooth and wireless compatible, or USB to LAN compatible ◗ 10.1" touch screen ◗ 2 GB of storage for short term data saving

Ordering Information

Axygen® Gel Documentation Systems and Accessories

VWR Cat. No.	Corning Cat. No.	Description	Qty/Pk	Qty/Cs
10015-758	GD-1000	Gel Documentation System	1	1
10015-760	GDBL-1000	Gel Documentation System-BL	1	1
10015-762	GD-BLCS	Gel Documentation System blue light conversion screen for GD-1000	1	1
10015-764	GD-WLCS	Gel Documentation System white light conversion screen for GD-1000 and GDBL-1000	1	1
10015-766	GD-GCT	Gel carrying tray for GD-1000 and GDBL-1000	1	1
10015-768	GD-PRT	Thermal printer	1	1
10015-770	GD-PAPER	Thermal printer paper	1	1
10015-772	GD-1D	1 user license of Total Lab 1D (more user licenses available upon request)	1	1
10015-774	GD-1DN	1 user Network license of Total Lab 1D (more user licenses available upon request)	1	1
10015-776	GDBL-BLUE	Optional blue filter (497 nm)	1	1
10015-778	GDBL-GREEN	Optional green filter (572 nm)	1	1
10015-782	GD-GCS	UV transmitting tray that protects UV transilluminator when cutting out bands	1	1
10015-784	GD-OG	Orange glasses ideal for reducing background when cutting out bands with blue light	1	1
10015-786	GD-USBS	USB hub	1	1
10015-788	GD-USBMK	USB mouse and keyboard	1	1

Related Products

Axygen Gel Cutting Pipet Tips

89179-798	TGL-1165-R	1.1 mm x 6.5 mm gel cutting pipet tips	480	2,400
89179-796	TGL-1165	1.1 mm x 6.5 mm gel cutting pipet tips	250	2,500
89179-794	TGL-1140-R	1.1 mm x 4 mm gel cutting pipet tips	480	2,400
89179-792	TGL-1140	1.1 mm x 4 mm gel cutting pipet tips	250	2,500

Axygen Gel Loading Pipet Tips

89179-790	TGL-10FT-17-R	0.17 mm, 10 µL racked flat gel loading pipet tips	400	400
75816-216	TGL-200FT-37-R-S	0.37 mm, 200 µL racked flat gel loading pipet tips, sterile	400	400
89179-802	TGL-200FT-37-R	0.37 mm, 200 µL racked flat gel loading pipet tips	400	400
89179-808	TGL-200RD-57-R-S	0.57 mm, 200 µL racked round gel loading tips, sterile	400	400
89179-806	TGL-200RD-57-R	0.57 mm, 200 µL racked round gel loading tips	400	400

Axygen DNA Markers

95043-578	M-DNA-100BP	100 bp DNA ladder	500 µL	500 µL
95043-576	M-DNA-1KB	1 kb DNA ladder	500 µL	500 µL

Axygen Agarose

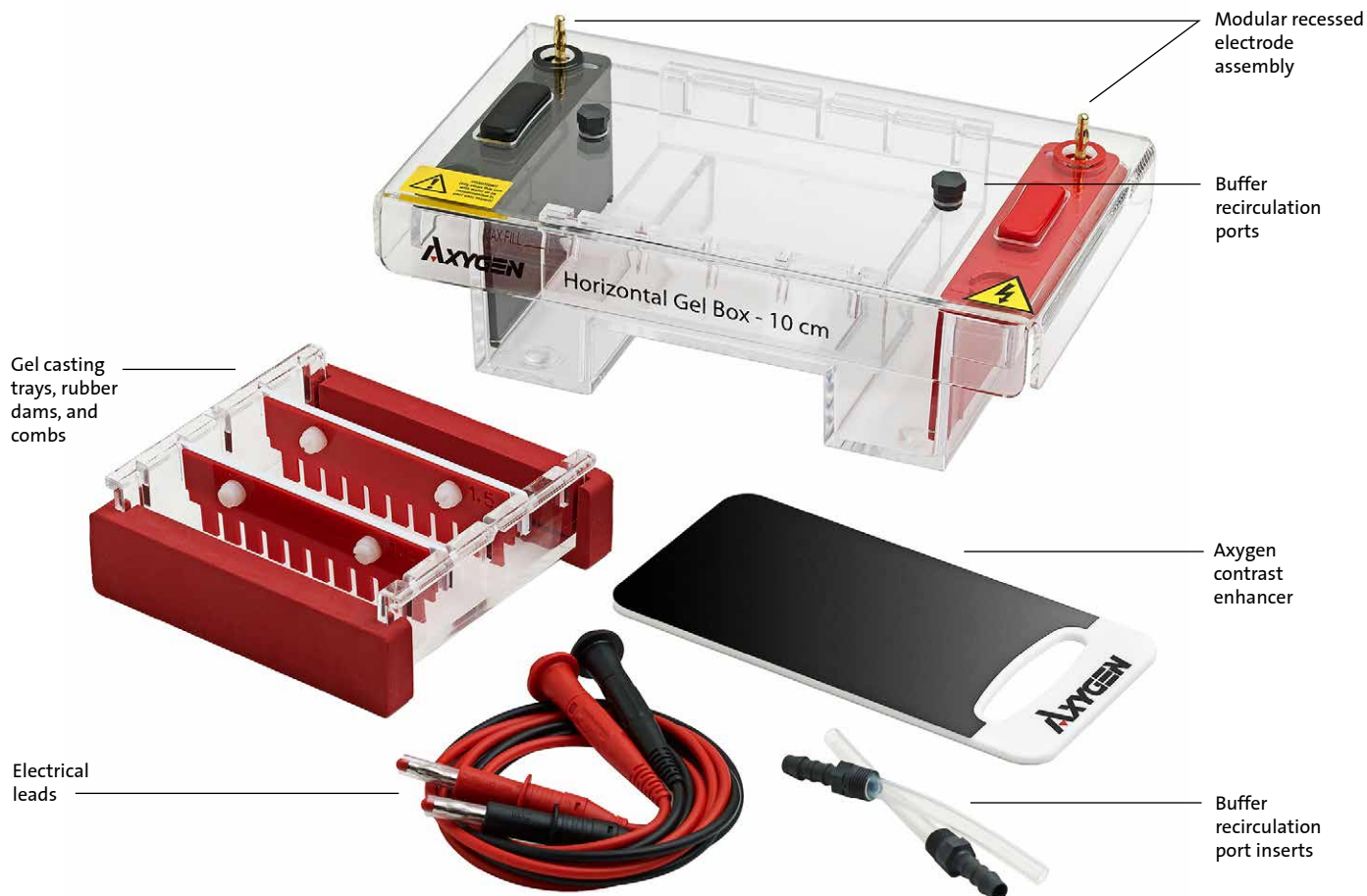|				
75816-204	AGR-LE-100	Agarose LE, low EEO, molecular biology grade, 100 g	1	1
97067-658	AGR-LE-1001	Agarose LE, low EEO, molecular biology grade, 100 g	10	10
75816-206	AGR-LE-500	Agarose LE, low EEO, molecular biology grade, 500 g	1	1
97067-660	AGR-LE-5001	Agarose LE, low EEO, molecular biology grade, 500 g	10	10
75816-208	AGR-LM-50	Agarose LM, low melting, molecular biology grade, 50 g	1	1
97067-662	AGR-LM-501	Agarose LM, low melting, molecular biology grade, 50 g	10	10
75816-210	AGR-LM-100	Agarose LM, low melting, molecular biology grade, 100 g	1	1
97067-666	AGR-LM-1001	Agarose LM, low melting, molecular biology grade, 100 g	10	10
75816-212	AGR-MS-50	Agarose MS, PCR screening, molecular biology grade, 50 g	1	1
97067-664	AGR-MS-501	Agarose MS, PCR screening, molecular biology grade, 50 g	10	10
75816-214	AGR-MS-100	Agarose MS, PCR screening, molecular biology grade, 100 g	1	1
97067-668	AGR-MS-1001	Agarose MS, PCR screening, molecular biology grade, 100 g	10	10

Corning® Buffers

45001-072	46-011-CM	10X TBE Buffer, liquid	6 x 1L	6 x 1L
45001-074	46-010-CM	10X TAE Buffer, liquid	6 x 1L	6 x 1L

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.

Modular recessed electrode assembly

Buffer recirculation ports

Gel casting trays, rubber dams, and combs

Axygen contrast enhancer

Electrical leads

Buffer recirculation port inserts

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.
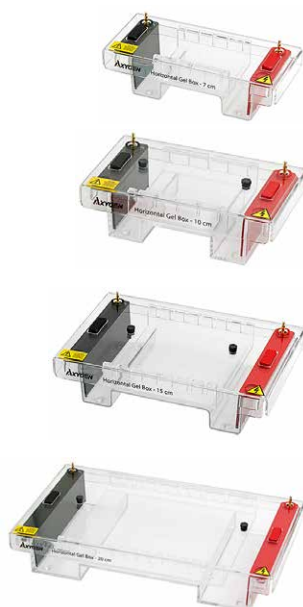
VWR Cat. No.	Corning Cat. No.	Description	
75801-458	HGB-7	Tray sizes:	7 x 7 cm, 7 x 10 cm
		Recirculation ports:	No
		Combs:	2 x 8 well, 1.5 mm thickness
75799-872	HGB-10	Tray sizes:	10 x 10 cm, 10 x 12 cm
		Recirculation ports:	Yes
		Combs:	2 x 10 multi-channel compatible well, 1.5 mm thickness
75800-102	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
75800-104	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 (1/case)

VWR Cat. No.	Corning Cat. No.	Description
75801-458	HGB-7	Axygen horizontal gel box, 7 cm
75800-118	HGB7-5-15	5-well comb for use with 7 cm gel box, 1.5 mm thickness
75800-120	HGB7-8-075	8-well comb for use with 7 cm gel box, 0.75 mm thickness
75800-122	HGB7-8-1	8-well comb for use with 7 cm gel box, 1.0 mm thickness
75800-106	HGB7-10-1	10-well comb for use with 7 cm gel box, 1.0 mm thickness
75800-108	HGB7-10-15	10-well comb for use with 7 cm gel box, 1.5 mm thickness
75800-110	HGB7-12MC-1	12-well multi-channel compatible comb for use with 7 cm gel box, 1.0 mm thickness
75800-112	HGB7-12MC-15	12-well multi-channel compatible comb for use with 7 cm gel box, 1.5 mm thickness
75800-114	HGB7-16-1	16-well comb for use with 7 cm gel box, 1.0 mm thickness
75800-116	HGB7-16-15	16-well comb for use with 7 cm gel box, 1.5 mm thickness

Axygen Horizontal Gel Box, 10 cm (1/case)

VWR Cat. No.	Corning Cat. No.	Description
75799-872	HGB-10	Axygen horizontal gel box, 10 cm
75800-158	HGB10-8-1	8-well comb for use with 10 cm gel box, 1.0 mm thickness
75800-124	HGB10-10MC-1	10-well multi-channel compatible comb for use with 10 cm gel box, 1.0 mm thickness
75800-126	HGB10-10MC-15	10-well multi-channel compatible comb for use with 10 cm gel box, 1.5 mm thickness
75800-128	HGB10-12-075	12-well comb for use with 10 cm gel box, 0.75 mm thickness
75800-130	HGB10-12-1	12-well comb for use with 10 cm gel box, 1.0 mm thickness
75800-132	HGB10-12-15	12-well comb for use with 10 cm gel box, 1.5 mm thickness
75800-134	HGB10-16-075	16-well comb for use with 10 cm gel box, 0.75 mm thickness
75800-136	HGB10-16-1	16-well comb for use with 10 cm gel box, 1.0 mm thickness
75800-138	HGB10-16-15	16-well comb for use with 10 cm gel box, 1.5 mm thickness
75800-140	HGB10-16-2	16-well comb for use with 10 cm gel box, 2.0 mm thickness
75800-150	HGB10-20MC-1	20-well multi-channel compatible comb for use with 10 cm gel box, 1.0 mm thickness
75800-152	HGB10-20MC-15	20-well multi-channel compatible comb for use with 10 cm gel box, 1.5 mm thickness
75800-154	HGB10-25-1	25-well comb for use with 10 cm gel box, 1.0 mm thickness
75800-156	HGB10-25-2	25-well comb for use with 10 cm gel box, 2.0 mm thickness

Axygen® Horizontal Gel Box, 15 cm (1/case)

VWR Cat. No.	Corning Cat. No.	Description
75800-102	HGB-15	Axygen horizontal gel box, 15 cm
75800-042	HGB15-8-15	8-well comb for use with 15 cm gel box, 1.5 mm thickness
75800-160	HGB15-10-1	10-well comb for use with 15 cm gel box, 1.0 mm thickness
75800-162	HGB15-10-15	10-well comb for use with 15 cm gel box, 1.5 mm thickness
75800-164	HGB15-12-1	12-well comb for use with 15 cm gel box, 1.0 mm thickness
75800-142	HGB15-12-15	12-well comb for use with 15 cm gel box, 1.5 mm thickness
75800-146	HGB15-14MC-1	14-well multi-channel compatible comb for use with 15 cm gel box, 1.0 mm thickness
75800-144	HGB15-14MC-15	14-well multi-channel compatible comb for use with 15 cm gel box, 1.5 mm thickness
75800-148	HGB15-14MC-2	14-well multi-channel compatible comb for use with 15 cm gel box, 2.0 mm thickness
75800-008	HGB15-16-1	16-well comb for use with 15 cm gel box, 1.0 mm thickness
75800-010	HGB15-16MC-1	16-well multi-channel compatible comb for use with 15 cm gel box, 1.0 mm thickness
75800-012	HGB15-16MC-15	16-well multi-channel compatible comb for use with 15 cm gel box, 1.5 mm thickness
75800-014	HGB15-16MC-2	16-well multi-channel compatible comb for use with 15 cm gel box, 2.0 mm thickness
75800-016	HGB15-18MC-1	18-well multi-channel compatible comb for use with 15 cm gel box, 1.0 mm thickness
75800-018	HGB15-18MC-15	18-well multi-channel compatible comb for use with 15 cm gel box, 1.5 mm thickness
75800-020	HGB15-20-075	20-well comb for use with 15 cm gel box, 0.75 mm thickness
75800-022	HGB15-20-1	20-well comb for use with 15 cm gel box, 1.0 mm thickness
75800-024	HGB15-20-15	20-well comb for use with 15 cm gel box, 1.5 mm thickness
75800-026	HGB15-20-2	20-well comb for use with 15 cm gel box, 2.0 mm thickness
75800-028	HGB15-28MC-075	28-well multi-channel compatible comb for use with 15 cm gel box, 0.75 mm thickness
75800-030	HGB15-28MC-1	28-well multi-channel compatible comb for use with 15 cm gel box, 1.0 mm thickness
75800-032	HGB15-28MC-15	28-well multi-channel compatible comb for use with 15 cm gel box, 1.5 mm thickness
75800-034	HGB15-30MC-1	30-well multi-channel compatible comb for use with 15 cm gel box, 1.0 mm thickness
75800-036	HGB15-30MC-15	30-well multi-channel compatible comb for use with 15 cm gel box, 1.5 mm thickness
75800-038	HGB15-35-15	35-well comb for use with 15 cm gel box, 1.5 mm thickness

Axygen Horizontal Gel Box, 20 cm (1/case)

VWR Cat. No.	Corning Cat. No.	Description
75800-104	HGB-20	Axygen horizontal gel box, 20 cm
75800-044	HGB20-16-075	16-well comb for use with 20 cm gel box, 0.75 mm thickness
75800-046	HGB20-20MC-075	20-well comb for use with 20 cm gel box, 0.75 mm thickness
75800-048	HGB20-20MC-1	20-well multi-channel compatible comb for use with 20 cm gel box, 1.0 mm thickness
75800-050	HGB20-20MC-15	20-well multi-channel compatible comb for use with 20 cm gel box, 1.5 mm thickness
75800-052	HGB20-25-1	25-well comb for use with 20 cm gel box, 1.0 mm thickness
75800-054	HGB20-30-1	30-well comb for use with 20 cm gel box, 1.0 mm thickness
75800-056	HGB20-40MC-1	40-well multi-channel compatible comb for use with 20 cm gel box, 1.0 mm thickness
75800-058	HGB20-40MC-15	40-well multi-channel compatible comb for use with 20 cm gel box, 1.5 mm thickness
75800-060	HGB20-40MC-2	40-well multi-channel compatible comb for use with 20 cm gel box, 2.0 mm thickness
75800-062	HGB20-50-2	50-well comb for use with 20 cm gel box, 2.0 mm thickness

Gel Trays

VWR Cat. No.	Corning Cat. No.	Description
75800-066	HGB7-7-GT	Gel tray 7 x 7 cm for use with 7 cm gel box, UV transparent
75800-064	HGB7-10-GT	Gel tray 7 x 10 cm for use with 7 cm gel box, UV transparent
75800-068	HGB10-10-GT	Gel tray 10 x 10 cm for use with 10 cm gel box, UV transparent
75800-070	HGB15-10-GT	Gel tray 15 x 10 cm for use with 15 cm gel box, UV transparent
75800-072	HGB15-15-GT	Gel tray 15 x 15 cm for use with 15 cm gel box, UV transparent
75800-074	HGB20-20-GT	Gel tray 20 x 20 cm for use with 20 cm gel box, UV transparent

Replacement Electrodes (1/case)

VWR Cat. No.	Corning Cat. No.	Description
75800-076	HGB7-NE	Replacement negative electrode, 7 cm
75800-078	HGB7-PE	Replacement positive electrode, 7 cm
75800-080	HGB10-NE	Replacement negative electrode, 10 cm
75800-082	HGB10-PE	Replacement positive electrode, 10 cm
75800-084	HGB15-NE	Replacement negative electrode, 15 cm
75800-086	HGB15-PE	Replacement positive electrode, 15 cm
75800-088	HGB20-NE	Replacement negative electrode, 20 cm
75800-090	HGB20-PE	Replacement positive electrode, 20 cm

Rubber Casting Dams (1 set of 2/case)

VWR Cat. No.	Corning Cat. No.	Description
75800-092	HGB7-CD	Casting dams for use with 7 cm gel box
75800-094	HGB10-CD	Casting dams for use with 10 cm gel box
75800-096	HGB15-CD	Casting dams for use with 15 cm gel box
75800-098	HGB20-CD	Casting dams for use with 20 cm gel box

Accessories

VWR Cat. No.	Corning Cat. No.	Description
75800-100	HGB7-AD	Power supply adapters, 4 mm to 4 mm, 2/pk
75799-868	HGB7-AD2	Power supply adapters, 4 mm to 2 mm, 2/pk
75799-870	HGB-EL	Electrical leads (1 pair)

Axygen® MaxyGene II Thermal Cycler

The Axygen MaxyGene II Thermal Cycler brings increased speed and advanced features, providing the premium performance you have come to expect from Axygen 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 Axygen 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.
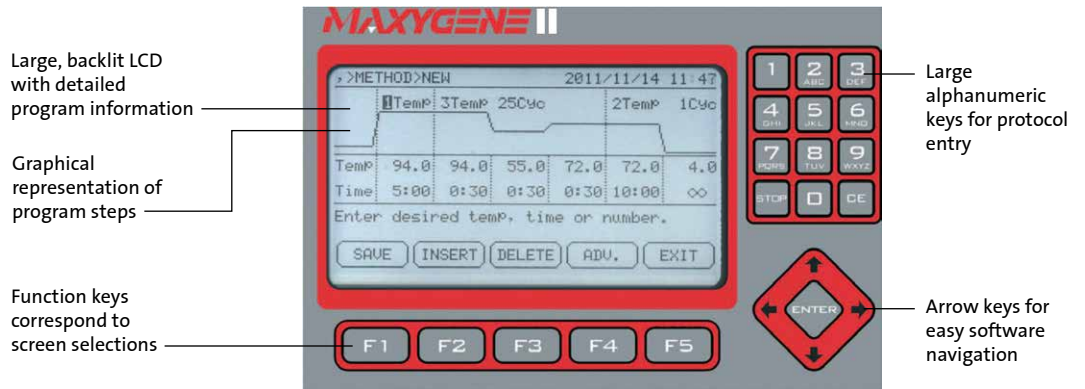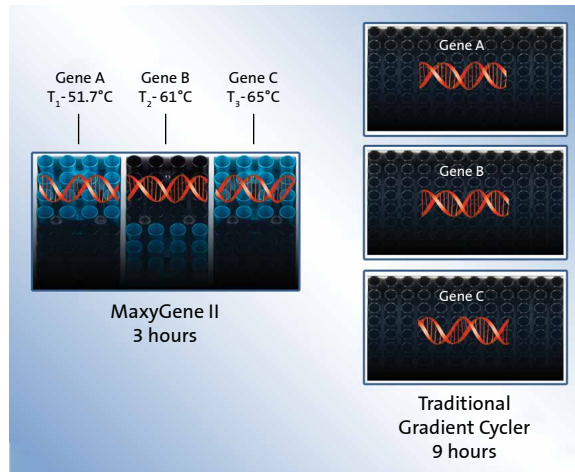
Figure 1. MaxyGene Thermal Cycler Screen

Large, backlit LCD with detailed program information

Graphical representation of program steps

Function keys correspond to screen selections

Large alphanumeric keys for protocol entry

Arrow keys for easy software navigation

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 Axygen MaxyGene II can perform up to six different reactions, significantly reducing steps and time.

Gene A
T_1-51.7°C

Gene B
T_2-61°C

Gene C
T_3-65°C

MaxyGene II
3 hours

Gene A

Gene B

Gene C

Traditional Gradient Cycler
9 hours

A variety of applications can be performed with the Axygen® MaxyGene II, 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, 128 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. Temp 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)	24 x 43 x 25 cm
Weight	9 kg
Electrical	120V or 240V, 50/60 Hz

Ordering Information

Axygen MaxyGene II Thermal Cycler

VWR Cat. No.	Corning Cat. No.	Description	Qty/Pk	Qty/Cs
89217-558	THERM-1001	MaxyGene II Thermal Cycler with 96-well block, 120V*	–	1
89217-556	THERM-1000	MaxyGene II Thermal Cycler with 96-well block, 230V*	–	1

*Other block formats are available. Contact Corning for details.

Compatible Axygen PCR Products

VWR Cat. No.	Corning Cat. No.	Description	Qty/Pk	Qty/Cs
10011-764	PCR-0208-C	0.2 mL clear thin wall PCR 8-strip tubes	125	1,250
12000-206	PCR-0208-CP-C	0 2 mL clear thin wall PCR 8-strip tubes and clear 8-strip caps	125	1,250
89080-524	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
10011-780	PCR-02-C	0.2 mL clear flat cap thin wall PCR tubes	1,000	10,000
10011-802	PCR-02D-C	0.2 mL clear domed cap thin wall PCR tubes	1,000	10,000
89080-526	PCR-02-FCP-C	0.2 mL clear flat PCR 8-strip caps with writing surface	125	1,250
47745-512	PCR-2CP-RT-C	0.2 mL clear 8-strip caps for real-time PCR	125	1,250
89005-550	PCR-96-FLT-C	96-well clear flat top non skirt PCR microplate	25	100
10011-228	PCR-96-FS-C	96-well clear full skirt PCR microplate	10	50
10032-810	PCR-96-FS-C-PBC	96-well clear full skirt PCR microplate with bar code	10	50
47745-414	PCR-96-FS-W	96-well white full skirt PCR microplate	10	50
47743-953	PCR-96M2-HS-C	96 well clear half skirt PCR microplate with a single notch	10	50
10032-808	PCR-96M2-HS-C-PBC	96-well clear half skirt PCR microplate with a single notch with barcode	10	50
10011-121	PCR-TS	PCR tight seal thermal sealing film for all thermal cyclers	100	500
47743-943	UC-500	Optically clear pressure sensitive sealing film	100	500

Axygen® PlateMax Semi-automatic Plate Sealer

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

VWR Cat. No.	Corning Cat No.	Description	Qty/ Unit	Units/ Cs
89203-178	HS-1120	PlateMax semi-automatic plate sealer, 120V, includes adapters for standard and deep-well microplates	–	1
89203-180	HS-1230	PlateMax semi-automatic plate sealer, 230V, includes adapters for standard and deep-well microplates	–	1

Related Products

VWR Cat. No.	Corning Cat No.	Description	Qty/ Unit	Units/ Cs
89208-728	HS-100-QPCR	PlateMax UltraClear permanent heat sealing film for qPCR	100	5
89208-730	HS-150-QPCR	PlateMax UltraClear peelable heat sealing film for qPCR	100	5
89208-732	HS-200	PlateMax peelable heat sealing film for low temperature compound storage and PCR	100	5
89208-734	HS-300	PlateMax pierceable heat sealing film for low temperature compound storage and PCR	100	5
89208-736	HS-400	PlateMax peelable heat sealing film for compound storage	100	5
47734-815	MF-300	PlateMax peelable heat sealing film with paper backing for general storage and PCR applications	100	1

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

Ordering Information

Axygen Axypet Pro Pipettors

Single-channel

VWR Cat. No.	Corning Cat. No.	Volume Range (µL)	Accuracy (%)	Precision (%)	Non-filtered Tip (µL)	Qty/Cs
76320-080	AP-2-P	0.1 - 2	±40.0 to ±1.5	≤12.0 to ≤0.7	10	1
76320-082	AP-10-P	0.5 - 10	±4.0 to ±1.0	≤2.8 to ≤0.4	10	1
76320-084	AP-20-P	2 - 20	±3.5 to ±0.8	≤1.5 to ≤0.3	200	1
76320-086	AP-50-P	5 - 50	±3.5 to ±0.8	≤1.3 to ≤0.3	200	1
76320-088	AP-100-P	10 - 100	±3.0 to ±0.8	≤1.0 to ≤0.2	200	1
76320-090	AP-200-P	20 - 200	±2.0 to ±0.6	≤0.7 to ≤0.2	200	1
76320-092	AP-1000-P	100 - 1000	±2.5 to ±0.6	≤0.6 to ≤0.2	1000	1

8-channel

VWR Cat. No.	Corning Cat. No.	Volume Range (µL)	Accuracy (%)	Precision (%)	Non-filtered Tip (µL)	Qty/Cs
76320-094	AP-8-10-P	0.5 - 10	±10.0 to ±2.0	≤8.0 to ≤1.2	10	1
76320-096	AP-8-50-P	5 - 50	±4.0 to ±1.6	≤2.5 to ≤0.6	200	1
76320-098	AP-8-200-P	20 - 200	±3.0 to ±1.0	≤1.5 to ≤0.6	200/300	1
76320-100	AP-8-300-P	30 - 300	±3.0 to ±1.0	≤1.5 to ≤0.6	300	1

12-channel

VWR Cat. No.	Corning Cat. No.	Volume Range (µL)	Accuracy (%)	Precision (%)	Non-filtered Tip (µL)	Qty/Cs
76320-102	AP-12-10-P	0.5 - 10	±10.0 to ±2.0	≤8.0 to ≤1.2	10	1
76320-104	AP-12-50-P	5 - 50	±4.0 to ±1.6	≤2.5 to ≤0.6	200	1
76320-106	AP-12-200-P	20 - 200	±3.0 to ±1.0	≤1.5 to ≤0.6	200/300	1
76320-108	AP-12-300-P	30 - 300	±3.0 to ±1.0	≤1.5 to ≤0.6	300	1

Axygen® Axypet® Pro Starter Kit

VWR Cat. No.	Corning Cat. No.	Description	Qty/Cs
76320-110	AP-STR-KIT-P	Axygen Axypet Pro Starter Kit	1
		Includes: 4 single-channel pipettors: 0.5 to 10 µL (Cat. No. 76320-082), 2 to 20 µL (Cat. No. 76320-084), 20 to 200 µL (Cat. No. 76320-090), 100 to 1000 µL (Cat. No. 76320-092); universal linear stand for four single-channel pipettors (Cat. No. 76324-848); Axygen MultiRack pipet tips: 10 µL (Cat. No. 76320-676), 200 µL (Cat. No. 76320-678), 1000 µL (Cat. No. 76320-684)	

Axygen® Axypet® 16-channel Pipettor

Ergonomic tip ejection lever

The Axygen Axypet 16-channel pipettor features a comfortable, lightweight design to help reduce hand fatigue, as well as an ergonomically designed ejector lever. Each channel of the pipettor has an individual piston assembly to ensure accuracy and precision when working at micro-volume levels. The tip holder allows for effortless and leak-free tip mounting, while the micrometer is continuously adjustable for selection of whole or fractional volumes.

Axypet 16-channel pipettor features:

◗ Compatible with 384-well microplates

◗ Ambidextrous design

◗ One-hand volume setting

◗ Color-coded volume controls for quick and easy selection

◗ Fully autoclavable pipettor body (except volume control)

◗ Tip manifold rotates 360°

Ordering Information

Axygen Axypet 16-channel Pipettor

VWR Cat. No.	Corning Cat. No.	Volume Range (µL)	Channels	Accuracy (Min/Max)	Precision (Min/Max)	Qty/Cs
12000-698	AP-16-2	0.2 - 2	16	±24.0/±4.0%	±12.0/±2.0%	1
47734-784	AP-16	1.0* - 10	16	±5.0/±2.0%	±3.6/±1.0%	1
47749-864	AP-16-50	5 - 50	16	±3.2/±1.40%	±1.6/±0.6%	1

*Minimum volume is 0.5 µL.

Compatible Axygen Pipet Tips

These polypropylene tips are RNase-/DNase-free and nonpyrogenic. Flexible walls and internal sealing rings ensure a secure fit with less force required to load and eject. Exclusive Axgyen Maxymum Recovery® technology provides ultra-low retention and high yield.

VWR Cat. No.	Corning Cat. No.	Description	Volume Range (µL)	Tips/ Rack	Racks/ Pk	Racks/ Cs	Qty/Cs
12000-736	T-1536-R	30 µL pipet tips, clear	0.5 - 30	384	10	5	19,200
80078-826	T-1536-R-S	30 µL pipet tips, clear, sterile	0.5 - 30	384	10	5	19,200
12000-738	T-1536-L-R	30 µL Maxymum Recovery pipet tips, clear	0.5 - 30	384	10	5	19,200
12000-740	T-1536-L-R-S	30 µL Maxymum Recovery pipet tips, clear, sterile	0.5 - 30	384	10	5	19,200

CORNING

For additional product or technical information, visit **vwr.com/corning**, call 1.800.932.5000, or contact your VWR representative.

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