

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.

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.

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.

*BL model includes tablet computer.

**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

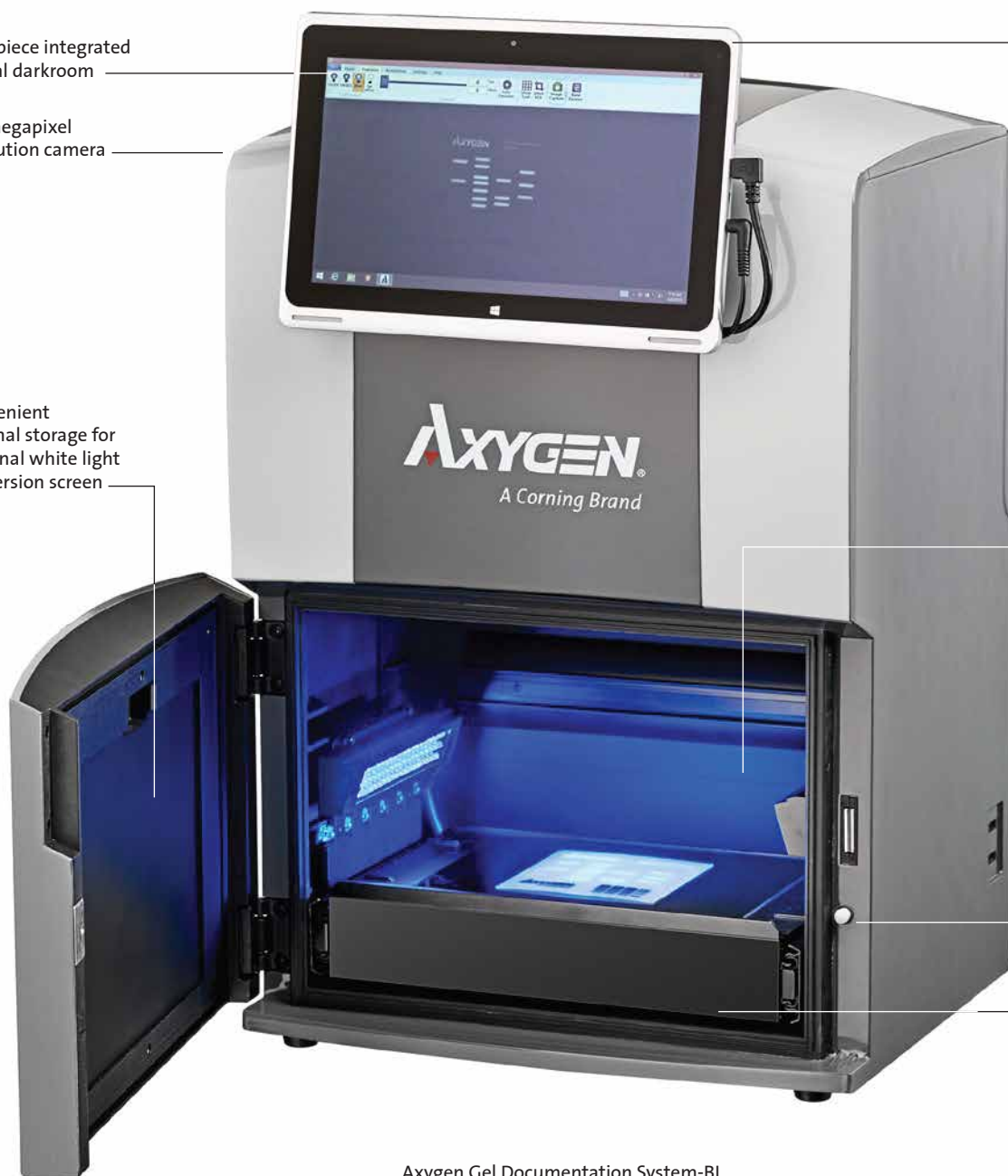
Convenient internal storage for optional white light conversion screen

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 | <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 |
| Trans White Light Illumination Tray | Optional | Optional |
| 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 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 |

| Thomas No. | Mrf. No. | Description | Pack | Case |
|------------|------------|------------------------------------------------------------------------------------|------|------|
| 1186V82 | GD-1000 | Gel documentation system | 1 | 1 |
| 1186V83 | GDBL-1000 | Gel documentation system-BL | 1 | 1 |
| 1186V84 | GD-BLCS | Gel documentation system blue light conversion screen for GD-1000 | 1 | 1 |
| 1186V85 | GD-WLCS | Gel documentation system white light conversion screen for GD-1000 and GDBL-1000 | 1 | 1 |
| 1186V86 | GD-GCT | Gel carrying tray for GD-1000 and GDBL-1000 | 1 | 1 |
| 1186V87 | GD-PRT | Thermal printer | 1 | 1 |
| 1186V88 | GD-PAPER | Thermal printer paper | 1 | 1 |
| 1186V89 | GD-1D | 1 user license of Total Lab 1D (also available in more user licenses upon request) | 1 | 1 |
| 1186V91 | GDBL-BLUE | Optional blue filter (497 nm) | 1 | 1 |
| 1186V92 | GDBL-GREEN | Optional green filter (572 nm) | 1 | 1 |
| 1186V94 | GD-GCS | UV transmitting tray that protects UV transilluminator when cutting out bands | 1 | 1 |
| 1186V94 | GD-OG | UV transmitting tray that protects UV transilluminator when cutting out bands | 1 | 1 |
| 1186V96 | GD-USBS | USB hub | 1 | 1 |
| 1186V97 | GD-USBMK | USB mouse and keyboard | 1 | 1 |

Related Products

Axygen® Gel Cutting Pipet Tips

| Thomas No. | Mrf. No. | Description | Pack | Case |
|----------------|------------|----------------------------------------|------|-------|
| — | TGL-1165-R | 1.1 mm x 6.5 mm gel cutting pipet tips | 480 | 2,400 |
| — | TGL-1165 | 1.1 mm x 6.5 mm gel cutting pipet tips | 250 | 2,500 |
| 1185C14 | TGL-1140-R | 1.1 mm x 4 mm gel cutting pipet tips | 480 | 2,400 |
| — | TGL-1140 | 1.1 mm x 4 mm gel cutting pipet tips | 250 | 2,500 |

Axygen Gel Loading Pipet Tips

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

Axygen DNA Markers

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|----------------|-------------|-------------------|--------|--------|
| C874C28 | M-DNA-100BP | 100 bp DNA ladder | 500 µL | 500 µL |
| C874C29 | M-DNA-1KB | 1 kb DNA ladder | 500 µL | 500 µL |

Axygen Agarose

| | | | | |
|----------------|-------------|-----------------------------------------------------------|----|----|
| C859Y51 | 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 |
| C859Y52 | AGR-LM-50 | Agarose LM, low melting, molecular biology grade, 50 g | 1 | 1 |
| 1149W99 | 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 |
| C859Y53 | 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

| | | | | |
|----------------|-----------|------------------------|--------|--------|
| B003L64 | 46-011-CM | 10X TBE Buffer, liquid | 6 x 1L | 6 x 1L |
| B003L63 | 46-010-CM | 10X TAE Buffer, liquid | 6 x 1L | 6 x 1L |

CORNING | FALCON | AXYGEN | GOSSELIN | PYREX

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ThomasSci.com 833.544.SHIP (7447)
CustomerService@ThomasSci.com

Connect With Us:

