

Gel Logic

IMAGING SYSTEMS

A wide range of
versatile *in vitro*
imaging systems for
life sciences research



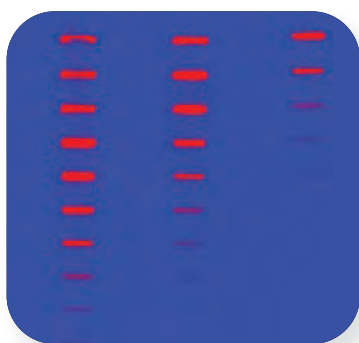
Carestream

Gel Logic Imaging Systems

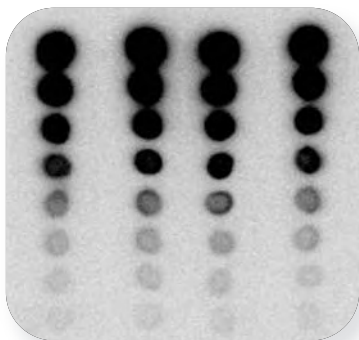
Carestream is a strong, successful, multi-billion dollar, international company providing innovative *in vitro* and *in vivo* digital imaging systems to our customers around the world. A highly respected leader in molecular imaging solutions, we were the first to offer fast, cost-effective “point and shoot” digital image capture technology for *in vitro* molecular imaging applications.

At Carestream, we understand that every lab is unique. Each lab has its own image analysis requirements, including workflow, sample size, budget, and more. That's why we offer a full line of Gel Logic Systems designed specifically to make your everyday imaging applications simple, fast, and accurate. Whether you need to image **electrophoresis gels (e.g. ethidium bromide, Coomassie and silver stain)**, **colorimetric blots and assays**, **bacterial plates**, **Western blots or chemiluminescent assays**, you'll find a system with precisely the features and capabilities you need—at a price that fits your budget.

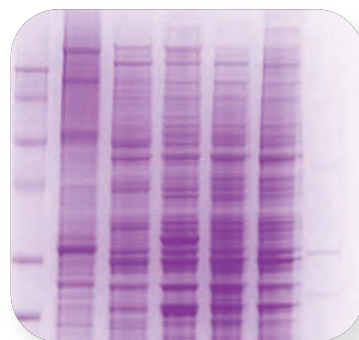
Whichever you choose, one thing remains a constant: unsurpassed image quality.



Enhanced Chemiluminescent
Slot Blot



Radiologic Dot Blot ³²P



Protein Gel

Why a Gel Logic is the best imaging system for you

- **Exceptional imaging versatility**
 - ▼ Rapid imaging of UV and multi-wavelength fluorescent, luminescent, colorimetric and radioisotopic labels
 - ▼ Image a wide range of sample formats including gels (DNA, RNA and protein) membranes, blots, microtiter well plates and bacterial or tissue culture plates
 - ▼ Multiple lens and camera options for on-the-fly adjustment of your field of view and zoom
- **High performance**
 - ▼ Scientific grade CCD sensors and cooled camera options, from 1.4 to 4.2 megapixel resolution
 - ▼ Up to 16-bit data capture and n-bit data acquisition
 - ▼ Large fields of view (FOV) with > 4.0 orders of magnitude dynamic range
- **Fast, convenient workflow**
 - ▼ Real time preview for easy sample adjustments
 - ▼ Automated systems feature pre-defined settings for one-click capture, protocols and auto-focus
- **User friendly, state-of-the-art software suite**
 - ▼ Powerful, easy to use image capture and visualization
 - ▼ Intuitive graphical interface for managing workflow
 - ▼ Automated Region of Interest tools and multiplex functions make image analysis fast, easy and accurate
- **Compatible and upgradeable**
 - ▼ GL 112 is compatible with standard transilluminators
 - ▼ Windows and Intel Mac OS compatible
 - ▼ Upgrade pathways from gel documentation and UV fluorescence to advanced applications such as chemiluminescent westerns and multi-wavelength fluorescent assays with one footprint
- **Built for durability**
 - ▼ Rugged, light-tight construction for long life in harsh lab environments
- **Complete turnkey imaging solution**
 - ▼ All-inclusive system with filters, Molecular Imaging software, computer and monitor (optional), manual, technical support and one year warranty

Complete digital imaging solutions

When you invest in a Carestream Image Station or any other Carestream imaging system, you are doing more than just purchasing an instrument. You are getting an entire team dedicated to making sure your research is successful. From our powerful, easy-to-use software, to our knowledgeable and professional technical support team, to customizable training programs, you are getting an entire turnkey solution to meet your molecular imaging needs.

Superior molecular imaging software

Carestream Molecular Imaging Software optimizes your system's performance and your productivity with integrated image acquisition, quantitative analysis and image databasing capabilities. An all new navigational structure features workflow driven tool palettes for improved ease of use. Choose the edition that best suits your needs: Single user, Network or Regulatory.

- Powerful, easy-to-use capture & visualization
- Simple, automated analysis and reporting
- Intuitive user interface for managing workflow
- Unified platform for managing all *in vitro* & *in vivo* images
- Superior data protection and image integrity

Worldwide service and technical support

At Carestream, we want your research programs to succeed, so we are here to support you with a comprehensive suite of service, training and technical support programs that are second to none.

We help you protect your investment by offering:

- A comprehensive warranty, backed by an expert service team, so you are covered from day one
- A choice of service packages from basic to premium and preventive maintenance
- A range of technical support options including phone support and remote access support
- Application support by our team of PhD scientists
- Problem solving assistance by our imaging experts and highly responsive world-wide support team



Training programs for users at all levels

We help you achieve more by offering training programs that are custom designed to meet your specific imaging and application needs. Select from cost-effective options for users at all levels: from basic introductory skills to in-depth techniques for advanced users. From one-on-one instruction to a full classroom, on-site or on-line — it's your choice.



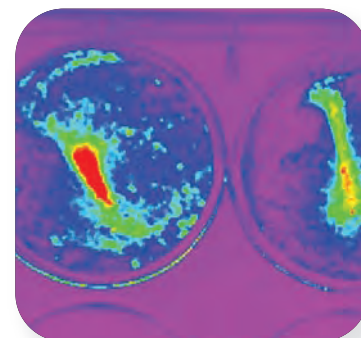
Exceptional application versatility

With the addition of two highly innovative premium systems to the Gel Logic line, we now offer a wide range of products to suit the imaging requirements of every lab, from basic everyday needs to advanced applications. Add the ability to upgrade the functionality of your system should your research requirements change, and Carestream will be your trusted imaging partner for life. Gel Logic imaging modalities now include:

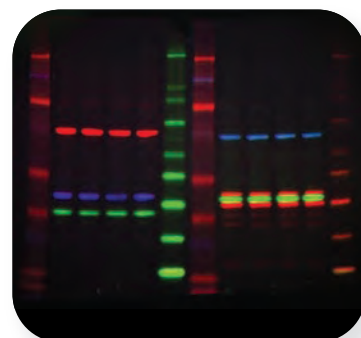
- UV Fluorescence
- Multi-wavelength Fluorescence
- ◆ NIR
- ◆ RGB
- Luminescence
- White Light/Colorimetric
- Radioisotopic

Let us help you choose an imaging solution for your application

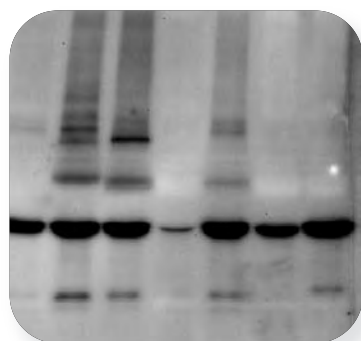
- Gel Documentation
 - ◆ DNA
 - ◆ RNA
 - ◆ Protein
 - ◆ PFGE
- Plate Counting
 - ◆ Bacterial or Mammalian Cells in Petri or Tissue Culture Dishes
- Fluorescent or Luminescent Blots or Assays
 - ◆ Western Blots
 - ◆ ELISAs
 - ◆ Microplate Assays
- Radiolabelled
 - ◆ Northern Blots
 - ◆ Southern Blots



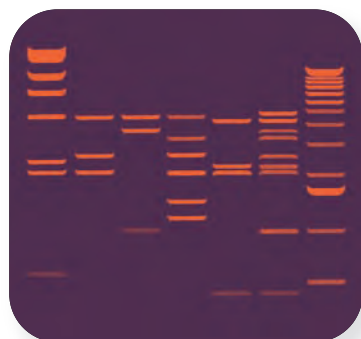
Luminescence in Cells



Fluorescent Western



Chemiluminescent Western

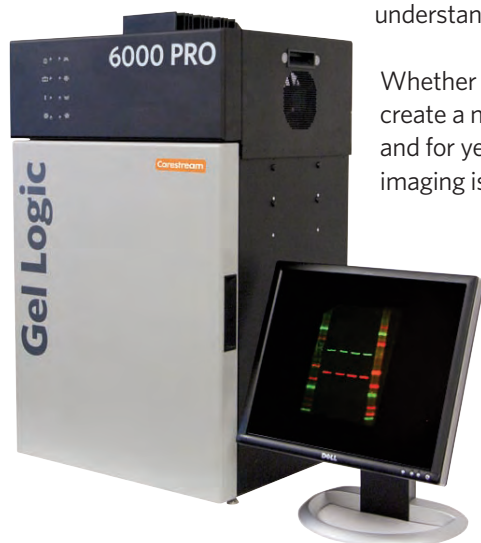


DNA Gel

Digital imaging is in our DNA

At Carestream, we have been providing advanced digital molecular imaging systems to preclinical researchers around the world for a very long time. With decades of expertise and hands-on experience in preclinical imaging, we understand your needs and the challenges you face.

Whether you need to expand your current research or create a new imaging facility, we are there for you — now and for years to come. Because at Carestream, preclinical imaging isn't just an afterthought. It's our life's work.



Select your *in vitro* imaging solution from five high performance systems

Carestream Molecular Imaging offers a selection of Gel Logic systems so you can choose one that best meets your particular imaging needs. Each system is designed and manufactured to provide the precise, reliable and reproducible results you demand.



Gel Logic 6000 PRO

The NEW Gel Logic 6000 PRO is for researchers who want all imaging capabilities—from DNA gels to chemi blots to fluorescent blots—in one system. Our top-of-the-line Gel Logic features an advanced system design that enables full field of view, high-intensity fluorescent image acquisition at significant time savings over similar models. Camera sensitivity is superb, providing exceptionally crisp, clear images for all modalities. The system comes complete with capture and analysis software for quantification experiments. New multiplex function allows simultaneous analysis of four overlaid images, increasing the amount of data you can extract from a single experiment. The ability to capture multiple modalities in sequence streamlines workflow and maximizes throughput.



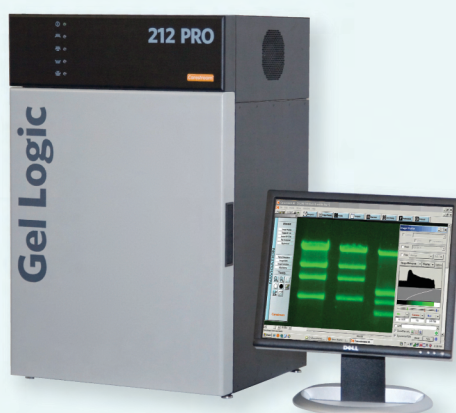
Gel Logic 4000 PRO

The NEW Gel Logic 4000 PRO is a fully automated premium luminescent, UV-fluorescent, and radioisotopic imaging system. New features include an upgraded cooled 4.2MP scientific grade camera, $f/0.95$ lens, and motorized sample platform for seven pre-defined FOVs and 3x sample zoom. Integrated trans-UV, epi-white light, trans-white light illumination enables versatile imaging of protein and DNA-based gels. With this new system, luminescent imaging of blots and plate assays can be conducted faster than ever before. The Gel Logic 4000 PRO is also capable of radiological imaging of *in vitro* samples in a digital format, further adding to the application capabilities of the Gel Logic line.



Gel Logic 2200 PRO

The Gel Logic 2200 PRO leverages full automation, an analytical grade 2.2 MP cooled CCD camera, & true 16-bit data capture for sensitive, high resolution for imaging of gels, blots/membranes, and plates in UV fluorescent, colorimetric or luminescent modes. Automated focus, exposure, and capture features improve imaging workflow for optimal image quality and productivity.



Gel Logic 212 PRO

The Gel Logic 212 PRO is ideal for automated imaging of electrophoresis gels, colorimetric blots & plates in life science research labs. An analytical grade 1.4 megapixel CCD camera, linked to complete motorization is the key to the GL 212 PRO's outstanding performance. This affordable system combines automated workflow with high dynamic range for increased quantitative accuracy.



Gel Logic 112

The Gel Logic 112 is Carestream's most economical solution for documenting electrophoresis gels, colorimetric blots, and plates—ideal for labs with low throughput or basic imaging needs. Its portable, light-tight imaging cabinet is suitable for use with most commonly used UV or white light illuminators.

SYSTEM FEATURES AT A GLANCE

| | GL 112 | GL 212 PRO | GL 2200 PRO | GL 4000 PRO | GL 6000 PRO |
|----------------------------|-----------------------|---|---|---|---|
| APPLICATIONS | | | | | |
| Gel documentation | ★ | ★ | ★ | ★ | ★ |
| Petri/tissue culture | ★ | ★ | ★ | ★ | ★ |
| Microtiter plate assays | ★ | ★ | ★ | ★ | ★ |
| Chemiluminescence | | | ★ | ★ | ★ |
| UV fluorescence | ★ | ★ | ★ | ★ | ★ |
| Multiplex fluorescence | | | | | ★ |
| Radioisotopic | | | | ★ | ★ |
| Upgradeable | | ★ | ★ | ★ | |
| SPECIFICATIONS | | | | | |
| Camera resolution | 1392 x 1032 (1.4 MP) | 1392 x 1032 (1.4 MP) | 1708 x 1280 (2.2 MP) | 2048 x 2048 (4.2MP) | 2048 x 2048 (4.2MP) |
| Cooling | Ambient | Ambient | -29°C absolute | -29°C absolute | -29°C absolute |
| Bit depth (single capture) | 12-bit | 12-bit | 16-bit | 16-bit | 16-bit |
| Automated | No | Yes | Yes | Yes | Yes |
| Lens <i>f</i> -stop/Zoom | <i>f</i> /1.2/6X zoom | <i>f</i> /1.2/6X zoom | <i>f</i> /1.2/6X zoom | <i>f</i> /0.95/3X zoom | <i>f</i> /0.95/3X zoom |
| Filter wheel | 3 position slider | 6 position motorized | 6 position motorized | 10 positions, motorized | 10 positions, motorized |
| Epi illumination | No | White light (standard) and UV (optional)* | White light (standard) and UV (optional)* | White light (standard) and UV (optional)* | White light (standard) and UV (optional)* |
| Trans illumination | No | UV (std.) and white light (opt.) | UV and white light (standard) | UV and white light (standard) | UV and white light (standard) |
| Imaging area (max.) | 19 x 25 cm | 25 x 33 cm | 23 x 31 cm | 18 x 18 cm | 18 x 18 cm |
| Software** | 2 user license MI | 3 user license MI | 3 user license MI | 3 user license MI | 3 user license MI |
| COMPUTER | | | | | |
| Macintosh (OS X.5) | ★ | ★ | ★ | ★ | ★*** |
| PC (Windows XP/7) | ★ | ★ | ★ | ★ | ★ |
| Interface | FireWire | FireWire & Serial | Ethernet | Ethernet | Ethernet |

* Epi illumination modules: 254 nm, 306 nm, and 370 nm

** Network and Regulatory editions available.

*** Check for availability.

Find out more

For more information, to request pricing, an in-lab demo, or to place an order, call 1-877-747-4357, exp. code 7. Outside the U.S.: +1-203-786-5658.



mi.carestream.com

Carestream
Molecular Imaging



one source
for all your molecular imaging needs

All images were captured using Carestream Molecular Imaging system technology.

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