

# The Bio-Rad Imaging System Family

## Unmatched Performance, Ease of Use, and Reliability for More Than 20 Years






Bio-Rad provides a variety of imaging systems suitable for a wide range of applications. This guide can help you select the best system to detect and quantitate fluorescent, chemiluminescent, Stain-Free, and colorimetric blots and gels for your specific laboratory needs.

### ChemiDoc™ Imaging Systems

Best-in-class performance with ease of use for fluorescence and chemiluminescence detection and all general gel documentation applications.

### Gel Imaging Systems

Automated gel imaging and documentation for research laboratories and current good manufacturing practice environments.

|   | ChemiDoc MP*   | ChemiDoc Go  | ChemiDoc*  | GelDoc™ Go  | GS-900  |
|---|--|--|--|---|---|
|   |               |                     |  |  |  |
|   | Premium imaging system for the best chemiluminescence and full-spectrum fluorescence detection | Modern CMOS sensor with small footprint for chemiluminescence and StarBright™ fluorescence detection | Standard system with chemiluminescence detection sensitivity matching X-ray film   | System for gel documentation in three simple taps for gels and colorimetric blots   | High-resolution scanner for stained gels and blots                                  |
| <b>Blot Detection</b>   |  |  |  |   |   |
| Chemiluminescence   | Yes  | Yes  | Yes  | No  | No  |
| Fluorescence  | Full RGB, far red, near infrared   | StarBright Blue 520, StarBright Blue 700   | Blue only; upgradeable   | No  | No  |
| Multiplex fluorescence  | Yes  | Limited  | Upgradeable  | No  | No  |
| SYPRO Ruby Protein Blot Stain**                                     | Yes  | Yes  | Yes  | Yes   | No  |
| Colorimetric blots  | Yes  | Yes  | Yes  | Yes   | Yes   |
| Stain-Free blots***   | Yes  | Yes  | Yes  | Yes   | No  |
| Ponceau S   | Yes  | Yes  | Yes  | Yes   | Yes   |
| <b>Nucleic Acid Detection</b>                                       |  |  |  |   |   |
| Ethidium bromide  | Yes  | Yes  | Yes  | Yes   | No  |
| SYBR®, GelGreen, GelRed, and Diamond Stains                         | Yes  | Yes  | Yes  | Yes   | No  |
| Fast Blast DNA Stain  | Yes  | Yes  | Yes  | Yes   | Yes   |
| UVView 6x Loading Dye and Stain                                     | Yes  | Yes  | Yes  | Yes   | No  |
| <b>Protein Gel Staining</b>   |  |  |  |   |   |
| Stain-Free gels***  | Yes  | Yes  | Yes  | Yes   | No  |
| Coomassie Brilliant Blue, Coomassie Fluor Orange, and Silver Stains | Yes  | Yes  | Yes  | Yes   | Yes   |
| Flamingo, Oriole, and SYPRO Ruby Gel Stains                         | Yes  | Yes  | Yes  | Yes   | No  |
| Pro-Q Protein Stains  | Yes  | No   | Yes  | No  | No  |
| Cy2, Cy3, and Cy5 labels  | Yes  | No   | Upgradeable  | No  | No  |
| <b>Specifications</b>   |  |  |  |   |   |
| User interface  | 12 in. graphical touch screen  | 9.7 in. graphical touch screen   | 12 in. graphical touch screen  | 9.7 in. graphical touch screen  | Computer controlled   |
| Maximum image area (W x H)  | 21.0 x 16.8 cm   | 21.0 x 14.0 cm   | 21.0 x 16.8 cm   | 21.0 x 14.0 cm  | 29.0 x 33.0 cm  |
| Detector  | Cooled CCD, 6 megapixels   | Cooled CMOS, 20.4 megapixels   | Cooled CCD, 6 megapixels   | CMOS, 6.3 megapixels  | Trilinear CCD   |
| Dynamic range   | >4 orders of magnitude   | >4 orders of magnitude   | >4 orders of magnitude   | >3.5 orders of magnitude  | 0–3.4 OD transmissive absorbance  |
| Smart Tray Technology†  | Yes  | Yes  | Yes  | Yes   | No  |
| Auto-focus and auto-exposure  | Yes  | Yes  | Yes  | Yes   | N/A   |
| IQ/OQ kit   | Yes  | Yes  | Yes  | Yes   | Yes   |

\* Mechanical zoom: U.S. patent 9,618,733; proprietary light filtration strategy: U.S. patent 9,841,378.

\*\* Optimal with low fluorescence polyvinylidene difluoride membrane.

\*\*\* Requires Bio-Rad Stain-Free gels.

† U.S. patent 8,913,127.

CCD, charge-coupled device; CMOS, complementary metal oxide semiconductor; IQ, installation qualification; N/A, not applicable; OD, optical density; OQ, operational qualification; RBG, red, blue, and green.

Visit [bio-rad.com/ImagingSystems](http://bio-rad.com/ImagingSystems) to learn more about the Bio-Rad family of ChemiDoc and GelDoc Go Imaging Systems.



# Bio-Rad Imagers Powered by Image Lab Software

## Powerful Acquisition and Efficient Analysis

Image Lab Software allows you to acquire and analyze publishable gel and blot images with ease. The robust analysis package provides automated detection of lanes and bands and a simplified normalization process with complete report generation.

Features:

- Convenient preview mode
- Auto-exposure for optimal image quality
- Intuitive lane/band analysis
- Publication-quality export of TIFF or JPEG files
- Total protein normalization
- Accurate molecular weight analysis
- Optimal light source that can be selected
- Manual and automated calculation of exposure time

| Imaging System      | Image Lab Touch Software | Image Lab Software for Windows | Image Lab Software for Mac | Image Lab Software, Security Edition, for Windows** |
|---------------------|--------------------------|--------------------------------|----------------------------|---|
| ChemiDoc MP         | Onboard acquisition      | Desktop analysis               | Desktop analysis           | Desktop analysis                                    |
| ChemiDoc Go*        | Onboard acquisition      | Desktop analysis               | Desktop analysis           | Desktop analysis                                    |
| ChemiDoc            | Onboard acquisition      | Desktop analysis               | Desktop analysis           | Desktop analysis                                    |
| GelDoc Go           | Onboard acquisition      | Desktop analysis               | Desktop analysis           | Desktop analysis                                    |
| GS-900 Densitometer | No                       | Acquisition and analysis       | Desktop analysis           | Acquisition and analysis                            |

\* ChemiDoc Go is enabled for BR.io cloud connectivity.

\*\* For researchers using PCs and requiring U.S. FDA 21 CFR Part 11 compliance.

## Ordering Information

Catalog # Description

### ChemiDoc Imaging Systems

|          |  |
|----------|--|
| 12003154 | ChemiDoc MP Imaging System   |
| 12018025 | ChemiDoc Go Imaging System   |
| 12003153 | ChemiDoc Imaging System  |
| 12003263 | ChemiDoc to ChemiDoc MP Upgrade Kit  |
| 12005137 | ChemiDoc and ChemiDoc MP Imaging System Installation/Operational Qualification Kit |
| 12019757 | ChemiDoc Go Imaging System Installation/Operational Qualification Kit              |

### GelDoc Go and GS-900 Systems

|          |   |
|----------|---|
| 12009077 | GelDoc Go Gel Imaging System with Image Lab Touch Software      |
| 12012147 | GelDoc Go Gel Imaging System IQ/OQ Kit                          |
| 1707989  | GS-900 Calibrated Densitometer                                  |
| 1707991  | GS-900 Calibrated Densitometer with Biologics Analysis Workflow |
| 1707994  | GS-900 Installation/Operational Qualification Kit               |

### Software

|          |   |
|----------|---|
| 12012931 | Image Lab Software on USB Drive, stand-alone version for PC or Mac                |
| 17006130 | Image Lab Software, Security Edition, 1 license, U.S. FDA 21 CFR Part 11 module   |
| 17006171 | Image Lab Software, Security Edition, 5 licenses, U.S. FDA 21 CFR Part 11 module  |
| 17006172 | Image Lab Software, Security Edition, 10 licenses, U.S. FDA 21 CFR Part 11 module |

Visit [bio-rad.com/ImageLab](http://bio-rad.com/ImageLab) to learn more about what Image Lab Software can do for you.

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Image Lab Touch Software is based in part on the work of the Cimg project (<http://cimg.eu/>). See license for details at [www.cecill.info/licences/Licence\\_CeCILL-C\\_V1-en.html](http://www.cecill.info/licences/Licence_CeCILL-C_V1-en.html).

Image Lab Touch is based in part on libraries from GCC runtime and the Gnu C library.



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Laboratories, Inc.**

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