

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
Blot Detection					
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
Nucleic Acid Detection					
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
Protein Gel Staining					
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
Specifications					
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; RGB, red, blue, and green.



Visit [bio-rad.com/ImagingSystems](https://www.bio-rad.com/ImagingSystems) to learn more about ChemiDoc and GelDoc Go Imaging Systems.

Bulletin 7051 Ver E

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 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://cimimg.eu/>). See license for details at 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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