Acute Phase Response
Cancer
Cardiovascular Disease
Cytokines, Chemokines, Growth Factors
Diabetes
Gene Expression
Genotyping
Cell Signaling

Bio-Plex® MAGPIX™ Multiplex Reader

NOW WITH BIO-PLEX MANAGER™ MP

Multiplex Perfected.

- Affordable
- Solid performance, low maintenance
- Single or multiplex assay ready
- Compact

Developed with everyday research laboratories in mind, the new Bio-Plex MAGPIX system brings the savings and efficiency of multiplexed assays to every lab. The Bio-Plex MAGPIX system makes Luminex xMAP technology accessible to all researchers.

Take advantage of:

- Automated instrument management software for exceptional reliability and optimized performance
- Simple and convenient ELISA-like workflow
- Sample and cost savings of Bio-Plex Pro™ multiplex assays
- Improved productivity and convenience with magnetic bead–based assays

Multiply Your Results with Bio-Plex® Assays

Compared to traditional immunoassay methods, Bio-Plex assays save sample and money in addition to generating an exceptional amount of data in a short time.

Now with Automated Instrument Management

Using Bio-Plex Manager™ MP software is like having a technical expert monitoring your Bio-Plex MAGPIX instrument. It suggests maintenance procedures based on current instrument state and performance. Bio-Plex Manager MP software is a dynamic responsive member of your team. It's multiplex perfected.

Automated Instrument Management

- Automatically loads recommended start-of-day maintenance routines based on current instrument status
- Monitors performance during data acquisition, alerts the user to performance issues, and loads recommended maintenance to resolve issues
- Recommends simple step-wise troubleshooting

Bio-Plex Pro Assay

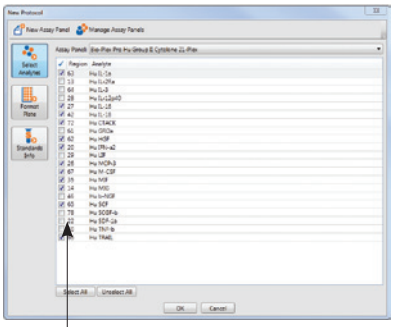
Bio-Plex MAGPIX Multiplex Reader

Bio-Plex Pro Wash Station

BIO-RAD

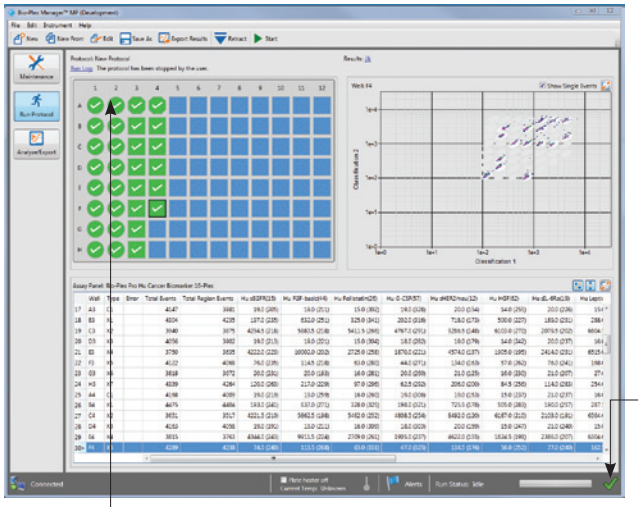
Software Benefits

- Simple interface and built-in guidance enable a user of any experience level to easily run the Bio-Plex MAGPIX multiplex reader (Figure 1)
- Detection and resolution of performance issues ensures data quality (Figure 2)
- Confidence in proper instrument maintenance leads to confidence in results (Figure 3)
- Highest quality results maximize the value of your experiments
- Simple integration with Bio-Plex analysis software enables quick assembly and assessment of data



1. Quickly modify preloaded panels to suit your needs, combine compatible panels, or create your own panels.

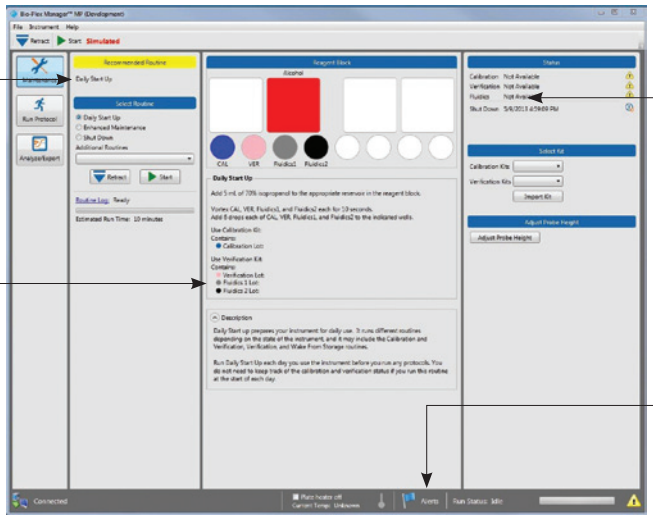
Fig. 1. Protocol editor is simple, flexible, and fast.



1. Monitor progress and quality of data for each well.

2. Good status state (green check mark) indicates instrument maintenance is up to date, data quality is good, and no user intervention is recommended.

Fig. 2. Run Screen monitors progress, data quality, and presents raw values.



1. Recommended routine is presented for maintenance and performance optimization.

2. Detailed instructions for performing routines and step-by-step troubleshooting.

3. Status center tracks calibration state and whether end-of-day maintenance has been performed.

4. Alert center tracks important messages. Complete message can be accessed at any time.

Fig. 3. Maintenance screen contains onscreen guidance and comprehensive instrument status.

Solid Performance and Low Maintenance

The Bio-Plex MAGPIX reader uses light-emitting diodes (LEDs) and a charge-coupled device (CCD) imager to illuminate and image a monolayer of immobilized magnetic beads. Unlike flow-based systems that quantify bead events individually, the Bio-Plex MAGPIX system reads all of the beads at once (Figure 4). This dependable design produces comparable results to flow based systems while reducing instrument preparation time (Figures 5 and 6).

xMAP Technology for Bio-Plex Systems

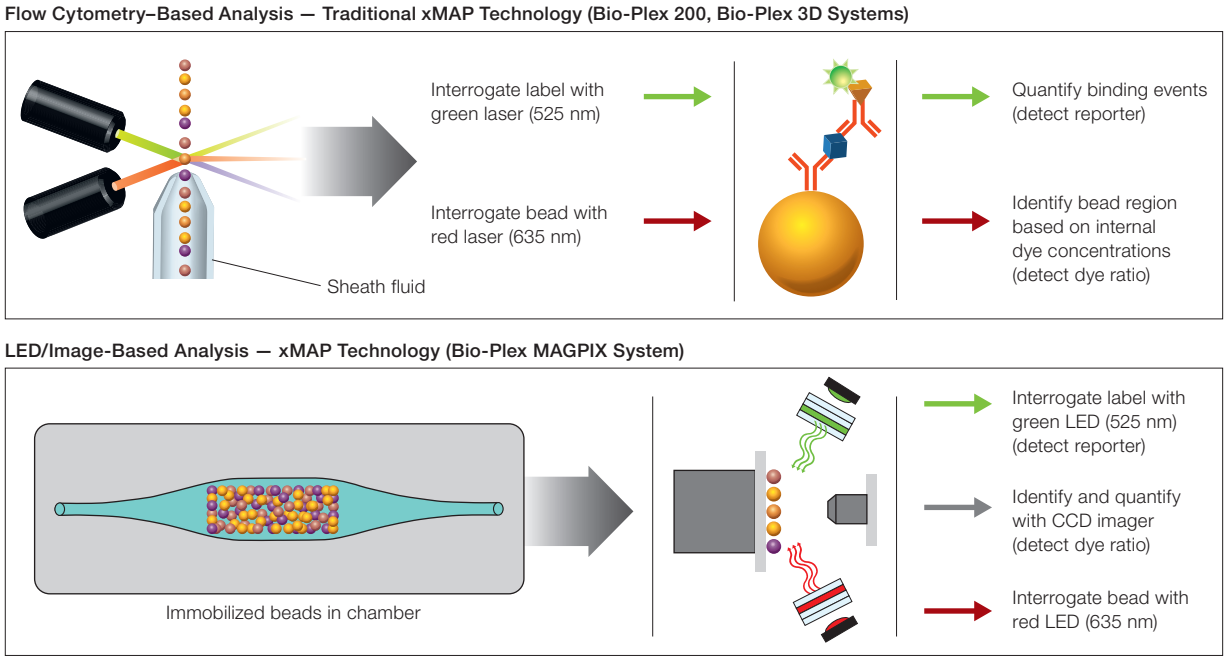


Fig. 4. Comparison of a traditional flow cytometry–based system with an LED/image-based system.

Comparable Assay Performance on the Bio-Plex MAGPIX and Bio-Plex 200 Systems

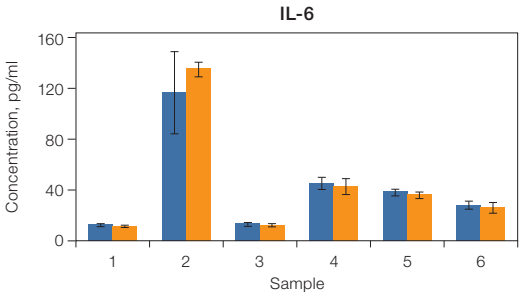


Fig. 5. Sample concentrations obtained using the Bio-Plex 200 (■) and Bio-Plex MAGPIX systems (■).

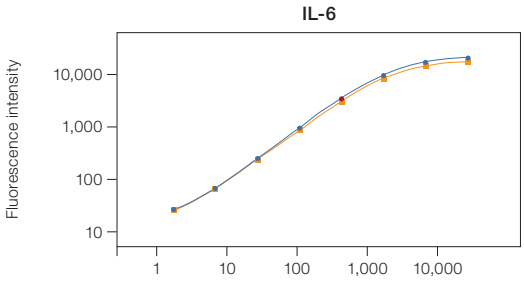


Fig. 6. Standard curve comparison and sample concentration when the Bio-Plex Pro human cytokine 27-plex panel is run on the laser-based Bio-Plex 200 system (●) and the LED-based Bio-Plex MAGPIX system (■). Representative curves for four of the analytes in the multiplex panel are shown in a log-log scale.

Bio-Plex MAGPIX System Is Compatible with Magnetic Bead–Based Assays

The Bio-Plex MAGPIX system uses a magnet to immobilize and image a monolayer of beads. It is compatible with all magnetic bead–based Bio-Plex Pro assays. Use Bio-Plex Pro wash stations or the Bio-Plex handheld washer to process magnetic bead–based assays.

Specifications

Parameters	Bio-Plex MAGPIX Multiplex Reader
Read time (96-well plate)	~60 min
Plate compatibility	96-well only
Number of measurable analytes/well	50
Assay compatibility	Magnetic bead–based assays
Acquisition software	Bio-Plex Manager MP software
Analysis software	Bio-Plex Manager software v.6.1 Bio-Plex Data Pro™ software
Dimensions (W x D x H)	16.5 x 60 x 43 cm (6.5 x 23.5 x 17")
Classification detector	CCD

Ordering Information

Catalog #	Description
171-015001	**Bio-Plex MAGPIX Multiplex Reader**, includes Bio-Plex MAGPIX instrument and accessories, PC, MS Excel, Bio-Plex Manager MP software, Bio-Plex Manager 6.1, Getting Started Guide, and probe height adjustment plate
Accessories	
171-012004	**Bio-Plex MAGPIX Replacement Waste Fluid Container**, empty waste fluid container for use with Bio-Plex MAGPIX multiplex reader
171-012005	**Bio-Plex MAGPIX Sample Probe Needle**, sample probe needle for use with Bio-Plex MAGPIX multiplex reader
171-012006	**Bio-Plex MAGPIX Sample Probe Height Adjustment Kit**, sample probe height adjustment kit for use with Bio-Plex MAGPIX multiplex reader
171-012008	**Bio-Plex MAGPIX 96-Well Plate Heater Block**, 96-well plate heater block for use with Bio-Plex MAGPIX multiplex reader
171-213003	**Bio-Plex MAGPIX Drive Fluid**, 4 x 700 ml drive fluid for use with Bio-Plex MAGPIX multiplex reader
171-213001	**Bio Plex MAGPIX Calibration Kit**, good for 25 uses; kit includes 5 ml calibrator microspheres, CD, pkg of 25 8-well strips
171-213002	**Bio-Plex MAGPIX Verification Kit**, good for 25 uses; kit includes MAGPIX verifier, 5 ml of microspheres, MAGPIX fluidics 1, MAGPIX fluidics 2, MAGPIX performance verification kit CD, pkg of 25 8-well strips
300-34376	**Bio-Plex Pro Wash Station**, for magnetic bead–based assays, includes magnetic plate carrier, waste bottle, 2 liquid bottles
171-020100	**Bio-Plex Handheld Magnetic Washer**, includes magnetic washer and adjustment hex tools for use in manual wash steps for all Bio-Plex Pro magnetic assays

Catalog #	Description
Software	
171-051555	**Bio-Plex Manager MP Software Upgrade**, includes Bio-Plex Manager MP software, software activation code, Getting Started Guide, probe height adjustment plate, Upgrade Quick Guide for Bio-Plex Manager 6.1
171-STND01	**Bio-Plex Manager 6.1 Software Desktop License**, single desktop license to analyze Bio-Plex data and generate protocols; does not operate the instrument
171-001513	**Bio-Plex Data Pro Software**, 5 seats, for assembly of multiple instrument runs and interpretation of experimental data
171-001523	**Bio-Plex Data Pro Plus Software**, 5 seats, for assembly of multiple instrument runs and interpretation of experimental data, includes saved analysis sessions and standard curve overlays

POWERFUL Cell Signaling TECHNOLOGY CONTENT

CST antibodies developed and validated for Bio-Plex cell signaling, phosphoprotein and total target assays.

THE POWER INSIDE Luminex | xMAP TECHNOLOGY Because you want to know more

BIO-RAD

Bio-Rad Laboratories, Inc.

Life Science Group

Web site *www.bio-rad.com* ***USA*** *800 424 6723* ***Australia*** *61 2 9914 2800* ***Austria*** *01 877 89 01* ***Belgium*** *09 385 55 11* ***Brazil*** *55 11 5044 5699* ***Canada*** *905 364 3435* ***China*** *86 21 6169 8500* ***Czech Republic*** *420 241 430 532* ***Denmark*** *44 52 10 00* ***Finland*** *09 804 22 00* ***France*** *01 47 95 69 65* ***Germany*** *089 31 884 0* ***Greece*** *30 210 9532 220* ***Hong Kong*** *852 2789 3300* ***Hungary*** *36 1 459 6100* ***India*** *91 124 4029300* ***Israel*** *03 963 6050* ***Italy*** *39 02 216091* ***Japan*** *03 6361 7000* ***Korea*** *82 2 3473 4460* ***Mexico*** *52 555 488 7670* ***The Netherlands*** *0318 540666* ***New Zealand*** *64 9 415 2280* ***Norway*** *23 38 41 30* ***Poland*** *48 22 331 99 99* ***Portugal*** *351 21 472 7700* ***Russia*** *7 495 721 14 04* ***Singapore*** *65 6415 3188* ***South Africa*** *27 861 246 723* ***Spain*** *34 91 590 5200* ***Sweden*** *08 555 12700* ***Switzerland*** *026 674 55 05* ***Taiwan*** *886 2 2578 7189* ***Thailand*** *800 88 22 88* ***United Kingdom*** *020 8328 2000*