

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

Bio-Plex® MAGPIX™ Multiplex Reader

DEDICATED MAGNETIC ADVANTAGE

Getting more data per sample is now more affordable than ever.

- 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. This instrument is portable and features an elegant benchtop design. It is user installed and maintained, making Luminex xMAP technology accessible to all researchers. The Bio-Plex MAGPIX system is ideal for immunoassays and a host of other protein and nucleic acid-based applications.

Take advantage of:

- Simple and convenient workflow — easy to perform by researchers familiar with ELISA assays
- Sample and cost savings of Bio-Plex Pro™ magnetic bead-based assays in single or multiplex format
- Industry-leading Bio-Plex Manager™ and optional Bio-Plex Data Pro™ software for data analysis — experience confidence and efficiency
- Improved multiplex productivity and convenience with magnetic bead-based assays

Multiply Your Results with Bio-Plex Assays

Bio-Plex assays save sample and money in addition to generating an exceptional amount of data in a short time when compared to traditional immunoassay methods. The Bio-Plex MAGPIX system allows you to seamlessly transition to xMAP technology and take advantage of the magnetic bead-based workflow.

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	xPONENT 4.2
Analysis software	Bio-Plex Manager software 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



Bio-Plex Pro Assay



Bio-Plex MAGPIX Multiplex Reader



Bio-Plex Pro Wash Station

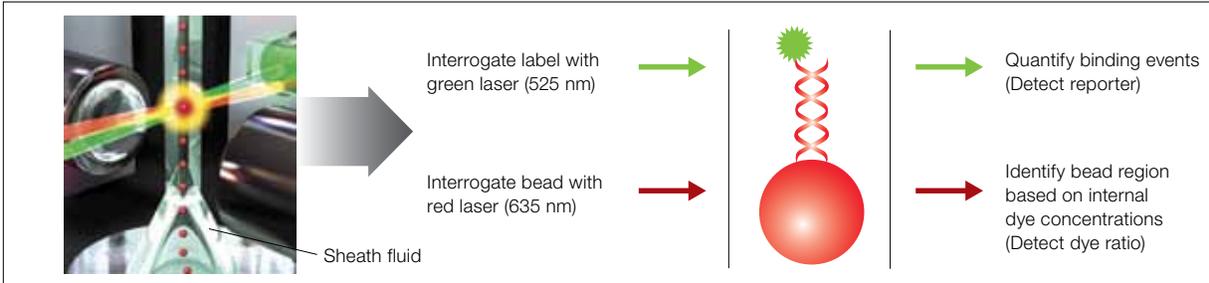


Solid Performance and Low Maintenance

The Bio-Plex MAGPIX reader employs 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 quantitate bead events individually, the Bio-Plex MAGPIX system reads all of the beads at once. This dependable design is very robust and reduces instrument preparation time compared to flow-based design while yielding comparable data.

Flow Cytometry–Based Analysis – Traditional xMAP Technology (Bio-Plex 200, Bio-Plex 3D Systems)



LED/Image-Based Analysis – New xMAP Technology (Bio-Plex MAGPIX System)

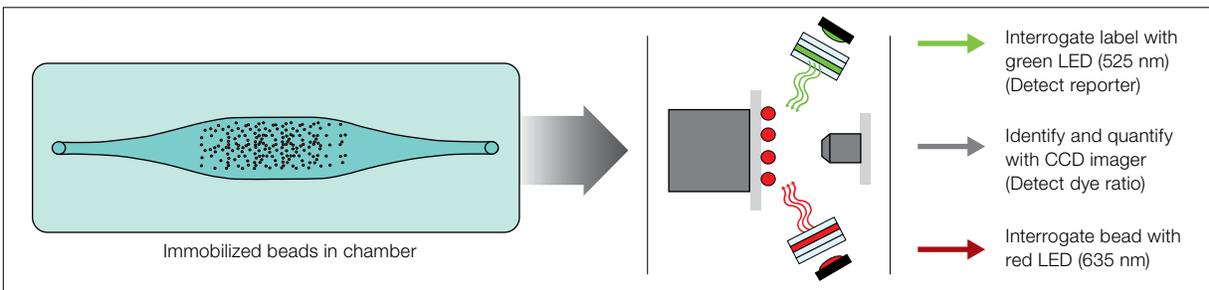


Fig. 1. Comparison of a traditional flow cytometry–based system with an LED/image-based system.

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

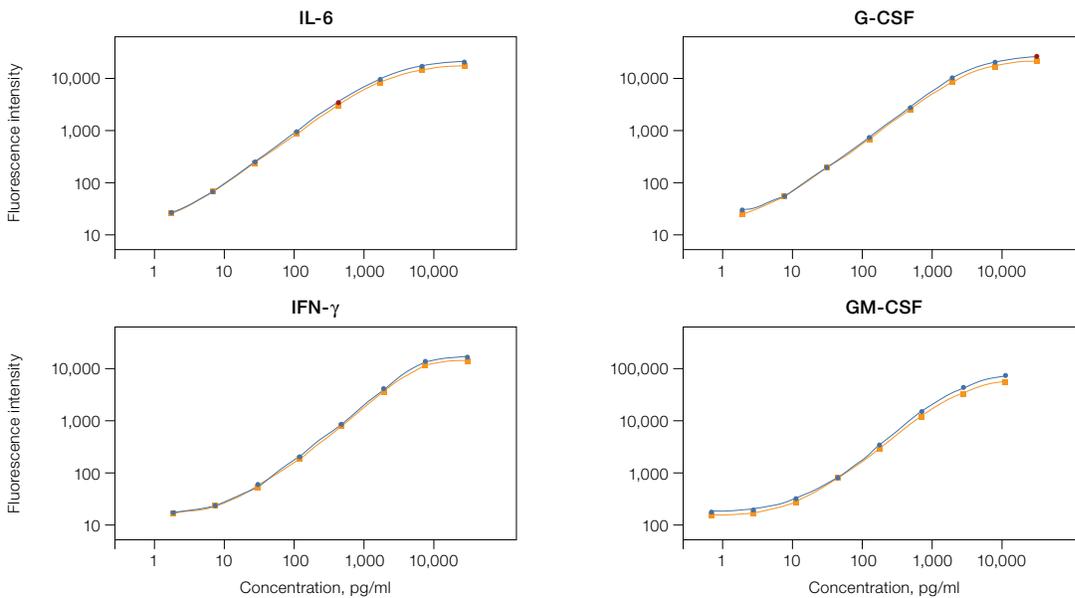


Fig. 2. Standard curve comparison when the Bio-Plex Pro human cytokine 27-plex panel is run on the laser-based Bio-Plex 200 system (●) and the LED-based Bio-Plex MAGPIX system (■). Representative curves for four of the analytes in the multiplex panel are shown in a log-log scale.

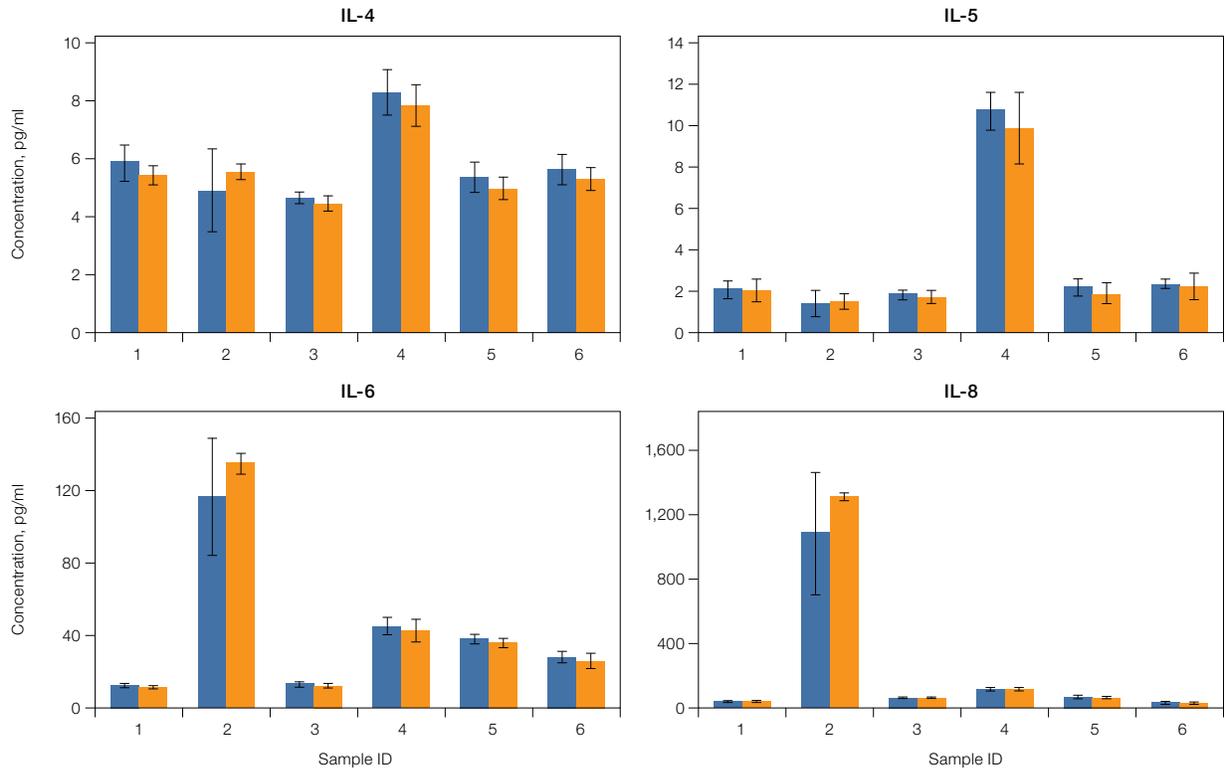


Fig. 3. Sample concentrations obtained using the Bio-Plex 200 (■) and Bio-Plex MAGPIX systems (■).

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 most magnetic bead-based Bio-Plex assays (refer to Table 1 for more information). Use Bio-Plex Pro wash stations or the Bio-Plex handheld washer to process magnetic bead-based assays.

Table 1. Bio-Plex Pro magnetic assays compatible with the Bio-Plex MAGPIX multiplex reader.

Bio-Plex Pro human cancer biomarker panel assays
Bio-Plex Pro human Th17 assays
Bio-Plex Pro mouse Th17 assays
Bio-Plex Pro cell signaling assays
Bio-Plex Pro human cytokine assays
Bio-Plex Pro mouse cytokine assays
Bio-Plex Pro rat cytokine assays
Bio-Plex Pro human diabetes assays
Bio-Plex Pro mouse diabetes assays
Bio-Plex Pro rat diabetes assays
Bio-Plex Pro TGF-β assays

Ordering Information

Catalog #	Description	Catalog #	Description
171-015001	Bio-Plex MAGPIX Multiplex Reader with Bio-Plex Manager Software , includes Bio-Plex MAGPIX instrument, PC with xPONENT 4.2 acquisition software installed, Bio-Plex Manager 6.1 desktop license, calibration kit, verification kit, 2 drive fluid cartridges, 2 waste containers	300-34376	Bio-Plex Pro Wash Station , for magnetic bead-based assays, includes magnetic plate carrier, waste bottle, 2 liquid bottles
		300-34377	Bio-Plex Pro II Wash Station , for magnetic and polystyrene bead-based assays, includes magnetic plate carrier, vacuum manifold plate carrier, waste bottle, 2 buffer 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 magnetic assays
Accessories		Software	
171-012004	Bio-Plex MAGPIX Replacement Waste Fluid Container , empty waste fluid container for use with Bio-Plex MAGPIX multiplex reader	171-001510	Bio-Plex Data Pro Software with Bio-Plex Manager Software , Bio-Plex Data Pro software (5 seats), for multi-experiment analysis and advanced data visualization, and Bio-Plex Manager software (5 seats), for instrument data evaluation and optimization. CDs and security HASP key included
171-012005	Bio-Plex MAGPIX Sample Probe Needle , sample probe needle for use with Bio-Plex MAGPIX multiplex reader	171-001513	Bio-Plex Data Pro Software , Bio-Plex Data Pro software (5 seats), for multi-experiment analysis and advanced data visualization
171-012006	Bio-Plex MAGPIX Sample Probe Height Adjustment Kit , sample probe height adjustment kit for use with Bio-Plex MAGPIX multiplex reader	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
171-012008	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 , 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 , 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		

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HASP is a trademark of Aladdin Knowledge Systems, Ltd.

The Bio-Plex suspension array system includes fluorescently labeled microspheres and instrumentation licensed to Bio-Rad Laboratories, Inc. by the Luminex Corporation.



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



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