MAGPIX®
Analysis system for recomBead 2.0 / MagPlex®

The MAGPIX® instrument is also available* for individual applications in diagnostics and research

Product Advantages

- **Multiplex** - Simultaneously measure up to 50 analytes in as little as 25 μl of sample
- **Easy to use** - Magnetic bead (MagPlex®) based technology using CCD imaging
- **Small footprint** - Only minor lab space required
- **Robust and portable** - No sensitive lasers
- **CE-label** - The MAGPIX®-System meets the high standard of the EC directive 98/79/EC on IVD medical devices

* available in Europe
### Technical Informations

#### Accuracy and Precision
- Sample uptake volume ± 5%
- Classification of microspheres > 80%
- Misclassification of microspheres ≤ 2%
- Distinguishes 1 to 50 unique MagPlex® microspheres in a single sample
- Temperature control ± 1°C of target
- Sample carryover ≤ 4%
- Soluble background fluorescence emissions at 590 nm ± 24 nm automatically subtracted from fluorescence intensity values

#### Sensitivity
- Detect ≤ 700 fluorochromes phycoerythrin (PE) per MagPlex® microsphere

#### Optics
- Reporter channel, LED excitation: 511 nm ± 27 nm
- Reporter channel dynamic range: ≥ 3 decades of detection
- Reporter / Classification detector: CCD
- Reporter / Classification A/D resolution 16 bits
- Focus Lens: 5x magnification

#### Fluidics
- 96-well plate capability with additional off-plate reagent area
- Piercing probe capability
- Auto adjusting probe capability
- Sample uptake volume 20 µL – 200 µL
- Internal / removable drive bottle and waste bottle
- Disposable Drive bottle volume: 650 mL (8 plates)
- Waste bottle volume: 850 mL

#### Setup
- Installation ≤ 2 hours
- System calibration < 10 minutes

#### Capacity
- Analyze multiple 96-well plates per batch
- Analyze multiple assay templates per plate

#### Capacity
- The following 96-well microtiter plates are compatible with the MAGPIX® plate holder: flat bottom, conical, round, filter bottom, [overall height no more than 19 mm (0.75 inches), any color
- Drive and waste bottles hold enough volume to run up to eight 96-well plates between refills
- Detect and distinguish surface reporter fluorescence emissions at 590 nm ± 24 nm on the surface of 1-50 unique MagPlex® microsphere sets in a single sample

#### General
- Physical dimensions: 16.5 cm (6.5 inches) W x 60 cm (23.5 inches) D x 43 cm (17 inches) H. Additional space required for the monitor/PC stand, keyboard, mouse and barcode scanner does not exceed 64.8 cm (25.5 inches) W x 61 cm (24 inches)
- Weight: up to 18 kg (40lbs)
- Temperature control: Maintains samples at a constant temperature from 35°C - 60°C (95°F - 131°F)
- Warm up time: 15 minutes
- Plate throughput time: ≤ 60 minutes

#### Operating Environment
- Temperature: 15°C – 35°C (59°F – 95°F)
- Humidity: 20% - 80%RH, non-condensing
- Altitude: up to 2400m (7874ft) above mean sea level

#### Monitor Specifications
- Screen resolution and number of colors: SXGA 1280 x 1024 with 32-bit color
- Screen size: 43cm (17")

#### PC Specifications
- Processor: 2.8 GHz Intel Core 2
- Main memory: 4G RAM
- Communication/Ports: four USB version 2.0 compatible high speed ports
- DVD-RW drive
- Operating system: Microsoft Windows
- CE marked

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<td>MAGPIX® Luminex® analysis system for MagPlex® beads including xPONENT® software, 1 instrument</td>
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<td>31062</td>
<td>MAGPIX® Maintenance Kit, 12 M Preventive maintenance kit</td>
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<td>31063</td>
<td>MAGPIX® Calibration Kit (25x) Calibration kit for use with the MAGPIX® system (app. 25 calibration routines)</td>
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<td>31064</td>
<td>MAGPIX® Performance Verification Kit (25x) Performance Verification kit for use with the MAGPIX® system (app. 25 calibration routines)</td>
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<td>31065</td>
<td>MAGPIX® Drive Fluid 4-Pack Luminex® Drive Fluid is the sample delivery medium in the MAGPIX® system, 4x 650 ml</td>
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<td>20217</td>
<td>96-well MTP for MagPlex®, 12x8 96-well microtiter plate for MagPlex® with 12 8-well bars, 1 plate</td>
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