

Luminex® xMAP® Instrumentation (RUO) Comparison

Flexible Multiplexing Technology

Luminex® xMAP® bead-based technology is the gold-standard in multiplexing, allowing you to generate more data while saving sample, time, and reagents. The Luminex® portfolio offers four xMAP® technology based instruments, covering a range of laboratory and budgetary needs.

xMAP® Systems provide:

- An extensive assay portfolio that includes MILLIPLEX® assays.
- An open architecture design, supporting the development of your own unique tests.
- The ability to multiplex up to 500 targets per well.
- Flexibility with custom assay services.

Instruments	xMAP® INTELLIFLEX DRSE**	xMAP® INTELLIFLEX	FLEXMAP 3D®	Luminex® 200™
Optics Hardware	Lasers/APDs/PMTs	Lasers/APDs/PMTs	Lasers/APDs/PMTs	Lasers/APDs/PMTs
Technology	Flow-based	Flow-based	Flow-based	Flow-based
Multiplexing	Up to 500	Up to 500	Up to 500	Up to 100 (80 on MagPlex® microspheres)
Dynamic Range	≥5.5 logs (RP1) ≥4.5 logs (RP2)	≥5.5 logs (RP1)	≥4.5 logs (RP1)	≥3.5 logs (RP1)
Read Time	96-well in ~20 min 384-well in ~75 min	96-well in ~20 min 384-well in ~75 min	96-well in ~20 min 384-well in ~75 min	96-well in ~45 min
Applications	Protein/nucleic acid	Protein/nucleic acid	Protein/nucleic acid	Protein/nucleic acid
Automation-Compatible Hardware*	Front and side eject	Front eject only	Front eject only	Front eject only
Reporter Laser	532 nm (green) 405 nm (violet)	532 nm (green)	532 nm (green)	532 nm (green)
IQ/OQ	Yes	Yes	Yes	Yes
21 CFR Compliance	Coming in 2021	Coming in 2021	Yes	Yes
Automation	Coming in 2021	Coming in 2021	Yes	Yes
Data Analysis	Belysa® software	Belysa® software	xPONENT® basic + Belysa® software	xPONENT® basic + Belysa® software
Plate Format	96-well and 384-well	96-well and 384-well	96-well and 384-well	96-well
Footprint (Linear Bench Space, including PC)	58.4 cm x 61 cm x 6.2 cm	58.4 cm x 61 cm x 76.2 cm	110 cm x 62 cm x 63 cm	115 cm x 60 cm x 50 cm
Weight	54.4 kg (120 lbs)	54.4 kg (120 lbs)	77.1 kg (170 lbs)	49 kg (113 lbs)

**DR-SE = dual reporter side eject

Discover more at EMDMillipore.com/luminex

For Research Use Only. Not For Use In Diagnostic Procedures.

The life science business of Merck operates as MilliporeSigma in the U.S. and Canada.

© 2021 Merck KGaA, Darmstadt, Germany and/or its affiliates. All Rights Reserved. Merck, the vibrant M and Millipore are trademarks of Merck KGaA, Darmstadt, Germany or its affiliates. All other trademarks are the property of their respective owners. Detailed information on trademarks is available via publicly accessible resources.

MK_FL8387EN Ver. 1.0 37649 10/2021

