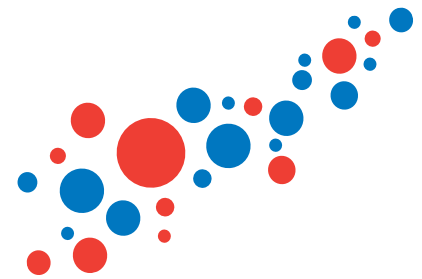
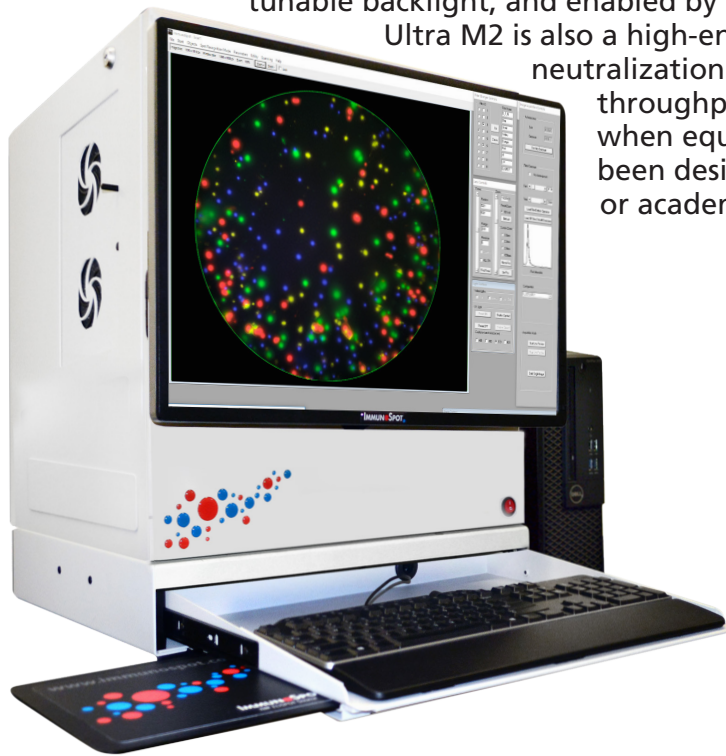


ImmunoSpot® S6 Ultra M2



This model enables advanced three-color FluoroSpot work, in addition to single- and double-color enzymatic ELISPOT analysis using white light. It excels at high-throughput counting of live and dead PBMC, which can be a rate-limiting step in ELISPOT/ FluoroSpot assays. Equipped with an additional tunable backlight, and enabled by a dedicated BioSpot™ Software Suite, the Ultra M2 is also a high-end reader for colorimetric and fluorescent neutralization and infectivity assays. This model is high-throughput capable, handling up to 400 plates per run when equipped with our automated plate loader. It has been designed for professionals working in the regulated or academic fields.



Included software

- ImmunoSpot® Single-Color
- ImmunoSpot® Double-Color
- Fluoro-X™ FluoroSpot
- BioSpot™
- Image Annotator
- ExpressQualify™
- LDA Cell Counting Suite
- TVA Cytotoxicity Suite
- Odense™
- SpotStat™
- SpotMap™

Well formats

24, 48, 96, 384, 1536 and Terasaki
Strip plate in 96 well format
(upgradable to rapid 6/Petri)

Applications

- Single-Color ELISPOT
- Double-Color Enzymatic ELISPOT
- Three-Color FluoroSpot
- Three-Color Fluorescence BioSpot
 - FRNT / FRA
 - PRNT / Viral Titer Assays
 - Bacterial/Yeast/Viral Colony Counting
- Live/Dead PBMC Counting
- Cell-Mediated Cytotoxicity Assays
- Nucleic Acid and Protein Quantification
- ELISA Reading
- Suited for Regulatory Compliance
- Suited for BSL 3/4

Advanced components

- Precision stage (0.24 mm stepping)
- Digital area scan camera with image resolution of up to 10 Megapixels
- Computer Interface: USB 3.0
- Integrated Barcode Reader
- Optical Interface: Fixed zoom with manual focus
- Lighting Top: 96 LED Ring (rated for 100,000 operating hours)
- Lighting Bottom: High illumination, uniform luminescent flat light panel
- Lighting Fluorescence: Long Life, Ultra-High Power BLUE and GREEN
- Excitation Filters: 480 nm, 570nm
- Emission Filters:
 1. 520 nm: FITC, CFSC, AO, Alexa Fluor® 488, GFP, sfGFP, Sytox™ Green, Yo-Pro™
 2. 580 nm: PE, Cy3, TRITC, Sytox™ Orange, dsRed, mRuby2
 3. 625 nm: PI, mCherry, Alexa Fluor® 594
 4. 690 nm: PE-Cy5, PerCP, PE-AF680, PerCP-Cy5.5
 5. Empty
 6. Empty
 7. Empty
 8. Open for ELISPOT