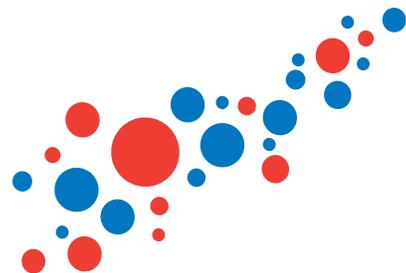


ImmunoSpot® S6 Universal M2



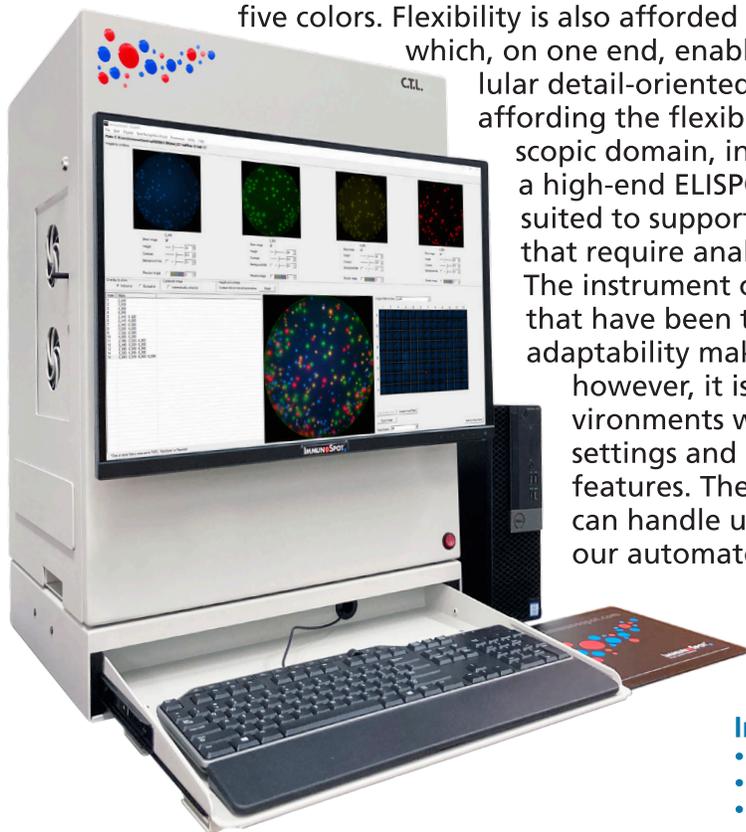
The distinguishing feature of the Universal is adaptability. In the standard version, this model permits 5-color analysis, but due to its modular design, the Universal can be upgraded up to 12-colors; owners of a Universal do not need to purchase a new instrument if their needs progress beyond

five colors. Flexibility is also afforded by the Universal's powerful zoom lens optics which, on one end, enables microscopic-range high-resolution, subcellular detail-oriented fluorescent analysis, while on the other end affording the flexibility to capture optimal images in the macro-

scopic domain, in any microtiter plate well format. Beyond being a high-end ELISPOT/FluoroSpot reader, the Universal is ideally suited to support a wide variety of microtiter plate-based assays that require analysis of colonies, foci, plaques or single cells.

The instrument comes loaded with individual software suites that have been tailored specifically for such applications. Its adaptability makes the Universal ideal for R&D laboratories;

however, it is equally well-suited to work in regulated environments with precise memory/recall of adjustable zoom settings and other critical imaging settings being standard features. The Universal is high-throughput capable and can handle up to 400 plates per run when equipped with our automated plate loader.



Applications

- Single-Color ELISPOT
- Double-Color Enzymatic ELISPOT
- Five-Color FluoroSpot, upgradable to 12 colors
- Five-Color Fluorescence BioSpot, upgradable to 12 colors
 - FRNT / FRA
 - PRNT / Viral Titer Assays
 - Bacterial/Yeast/Viral Colony Counting
- Live/Dead/Apoptotic PBMC Counting
- Microscopic Fluorescent Cell Imaging, Five-Color (upgradable to 12 colors)
- Cell-Mediated Cytotoxicity Assays, Five-Color (upgradable to 12 colors)
- Histology Slide Analysis
- Nucleic Acid and Protein Quantification
- ELISA Analysis
- Suited for Regulatory Compliance
- Suited for BSL 3/4

Well formats

6, 12, 24, 48, 96, 384, 1536 and Terasaki
Strip plate in 96 well format
(upgradable to rapid 6/Petri)

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™

Advanced components

- Precision stage (0.24 mm stepping)
- Digital area scan camera with image resolution of up to 25 Megapixels
- Computer Interface: USB 3.0
- Integrated Barcode Reader
- Optical Interface: Motorized zoom and focus
- Lighting Top: 114 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, GREEN, VIOLET, RED and NIR LED (upgradable – requires NIR LED and additional dichroic mirrors)
- Excitation Filters: 405nm, 480 nm, 570nm, 630 nm,
(Upgradable – requires NIR LED and additional dichroic mirrors)
- Emission Filters:
 1. 440 nm: DAPI, Alexa Fluor® 405, Pacific Blue™, CF™405, Po-Pro™, Sytox™ Blue
 2. 520 nm: FITC, AO, CFSC, Alexa Fluor® 488, GFP, sfGFP, Sytox™ Green, Yo-Pro™
 3. 600 nm: PE, Cy3, TRITC, PI, Sytox™ Orange, dsRed, mRuby2
 4. 625 nm: PI, mCherry, Alexa Fluor® 594
 5. 690 nm: PE-Cy5, PerCP, PE-AF680, PERCP Cy 5.5, Cy5, Alexa Fluor® 647, APC
 6. 800 nm: PE-Cy7, Qdot-800, APC-Cy7
 7. Empty
 8. Open for ELISPOT



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