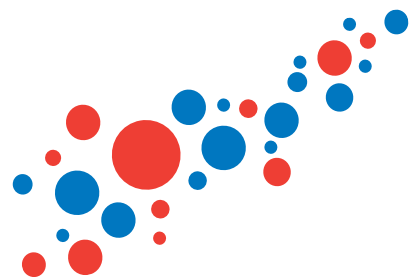


# ImmunoSpot® S6 Ultimate M2



This is our top of the line model. It enables advanced 12-color fluorescent work, in addition to 12-color bright field studies, live-dead-apoptotic cell counting, and histological analysis. It is also ideally suited for multi-color viral neutralization and infectivity assays as well as differential bacterial colony counting. A powerful zoom lens not only affords optical resolution suited for multi-color single-cell analysis but enables high resolution work in any well format. Its modular design permits to customize this instrument for most imaging applications. It comes loaded with software supporting a wide range of assays. This instrument 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 field.



## Included software

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

## Well formats

6, 12, 24, 48, 96, 384 and 1536-well Terasaki  
(upgradable to rapid 6/Petri)

## 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 pane
- Lighting Fluorescence: Long Life, Ultra-High Power  
BLUE, GREEN, VIOLET, RED and NIR LED
- Excitation Filters: 405nm, 480 nm, 570nm, 630 nm, 705nm
- Emission Filters:
  1. 440 nm: DAPI, Alexa Fluor® 405, Pacific Blue™, CF™405, Po-Pro™, Sytox™ Blue
  2. 520 nm: FITC, CFSC, AO, Alexa Fluor® 488, sfGFP, GFP, Sytox™ Green, Yo-Pro™
  3. 580 nm: PE, Cy3, TRITC, Sytox™ Orange, dsRed, mRuby2
  4. 625 nm: PI, mCherry, Alexa Fluor® 594
  5. 690 nm: Cy5, PE-Cy5, PerCP, PE-AF680, PerCP-Cy 5.5, Alexa Fluor® 647, APC
  6. 800 nm: PE-Cy7, Qdot-800, APC-Cy7
  7. 795 nm: Cy7
  8. Open for ELISPOT

## Applications

- Single-Color ELISPOT
- Double-Color Enzymatic ELISPOT
- Twelve-Color FluoroSpot
- Twelve-Color Fluorescence BioSpot  
-FRNT / FRA  
-PRNT / Viral Titer Assays  
-Bacterial/Yeast/Viral Colony Counting
- Live/Dead/Apoptotic PBMC Counting
- Twelve-Color Microscopic Fluorescent Cell Imaging
- Cell-Mediated Cytotoxicity Assays
- Histology Slide Analysis
- Nucleic Acid and Protein Quantification
- ELISA Analysis
- Visible or Fluorescent Array Analysis
- Proficiency Testing
- Suited for Regulatory Compliance
- Suited for BSL 3/4



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