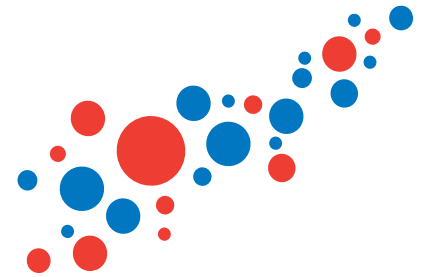


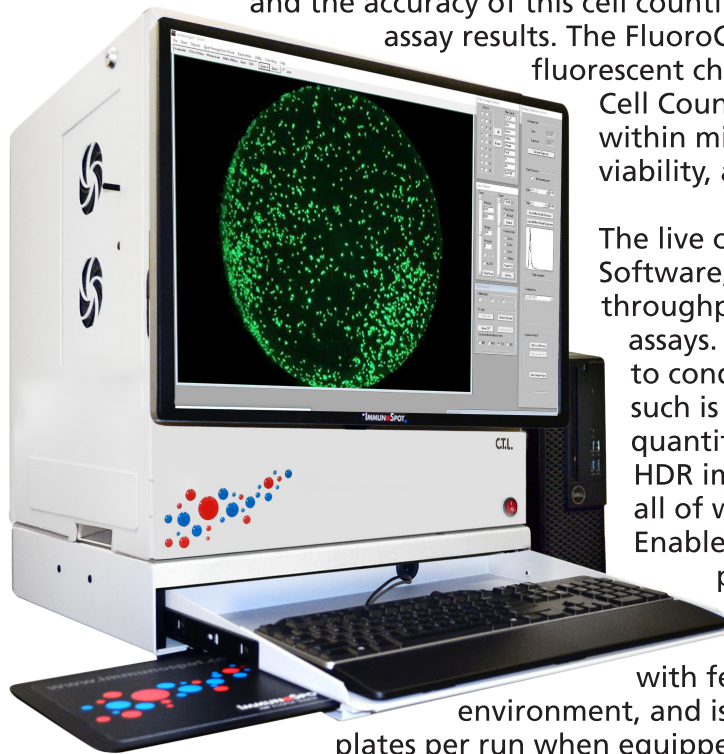
# ImmunoSpot® S6 FluoroCore M2



The FluoroCore™ M2 is a dedicated ELISPOT reader that additionally excels at high-throughput PBMC counting, and supports several assays that are standard in immune monitoring laboratories. Live

cell counting is the rate-limiting step for testing multiple PBMC samples in ELISPOT assays, and the accuracy of this cell counting represents the largest variable in ELISPOT assay results. The FluoroCore™ is equipped with optics and an extra

fluorescent channel which, along with CTL's dedicated LDA Cell Counting Suite, can count dozens of PBMC samples within minutes, including the documentation of viability, and the calculation of resuspension volumes.



The live cell counting ability, along with the TVA Software, renders the FluoroCore™ M2 as a high-throughput reader for cell-mediated cytotoxicity assays. Its fluorescent channel enables the Analyzer to conduct single-color FluoroSpot analysis when such is preferable over ELISPOT, e.g., for the precise quantification of per-cell secreted analyte via the HDR imaging feature, and FCS standard data output, all of which are supported by the FluoroX™ Suite. Enabled by the BioSpot™ Software, this instrument

permits high-throughput reading of viral neutralization and infectivity assays in 96- or 384-well formats. The instrument comes with features supporting work in a regulated environment, and is high-throughput capable, handling up to 400 plates per run when equipped with our automated plate loader.

## Applications

- Single-Color ELISPOT
- Single-Color FluoroSpot
- Single-Color BioSpot
  - FRNT / FRA
  - PRNT / Viral Titer Assays
  - Bacterial/Yeast/Viral Colony Counting
- Live PBMC Cell Counting
- Single-Color Cell-Mediated Cytotoxicity Assays
- Suited for Regulatory Compliance
- Suited for BSL 3/4

## Included software

- ImmunoSpot® Single-Color
- Fluoro-X™ FluoroSpot
- BioSpot™
- Image Annotator
- LDA Cell Counting Suite
- TVA Cytotoxicity Suite

## Well formats

96 and 384 well plates

## 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 LED
- Excitation Filter: 480nm
- Emission Filter:
  - 520 nm: FITC, CFSC, AO, Alexa Fluor® 488, GFP, sfGFP, Sytox™ Green, Yo-Pro™



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