

ProteinSimple Milo™ Single-cell Western System
Specifications

| | | |
|-----------------------------|--|---|
| Item | | |
| Typical Cell Dilutions | Yield capture and analysis of 1000-2000 cells per scWest chip | |
| Molecular Weight (MW) Range | 15 - 175 kDa | |
| MW Resloution | 10% differences in distinct spectral channels, as low as 30% differences in same spectral channel | |
| Typical Target Multiplexing | <ul style="list-style-type: none"> • Up to four proteins per cell by spectral and size-based multiplexing • Twelve-plus proteins per cell using stripping and reprobing | |
| Sample Type | Suspension containing >10,000 cells | |
| Cell Diameter | 7 - 25 um in suspension | |
| Cell Type | Mammalian cells; globular in suspension and unfixed | |
| Antibody Requirement | Standard unlabeled primaries and fluorescent secondaries For detailed description, visit: https://www.proteinsimple.com/antibody/milo_antibodies.html | |
| Consumables | scWest Chip <ul style="list-style-type: none"> • Small (7 - 9 um) • Standard (10 - 20 um) • Large (21 - 25 um) | |
| Microarray Scanner | Innopsys- InnoScan 710 AL | |
| | Excitation Wavelength | 532 nm and 635 nm |
| | Compatible fluorophores | <ul style="list-style-type: none"> • 532 nm: Cy3, Alexa 546, Alexa 555 • 635 nm: Cy5, Alexa 647, Alexa 660 |
| | Resolution | 3 - 40 um/pixel |
| | Scanning mode | Simultaneous or sequential |
| | Scanning time | <ul style="list-style-type: none"> • 10 to 35 lines/second • 3.55 mins to scan a whole slide with a resolution of 10 um/pixel |