

Introducing the PhenoCycler-Fusion System



THE FASTEST SINGLE-CELL SPATIAL BIOLOGY SYSTEM

The PhenoCycler™-Fusion system is the fastest spatial biology solution that enables ultrahigh-plex spatial phenotyping of whole slides at single-cell resolution by integrating automated fluidics and iterative imaging. Capable of imaging 1 million cells in 10 minutes, the system allows unbiased spatial phenotyping of tissues, accounting for every single cell across the whole slide. Moreover, it is high-throughput, multiomic, and the only system that enables translation of spatial discoveries into actionable biomarkers.

PhenoCycler-Fusion System Specifications

| | |
|---|---|
| Dimensions (W X D X H in) | PhenoCycler: 28"X 22"X 14.5"; Fusion: 25"X 20"X 26" |
| Weight* | PhenoCycler: ~67 lbs. / 30.3 kg ; Fusion :~120 lbs. / 54.4 Kg |
| Tissue Format | Whole-slide, Tissue Microarray and Tissue Sections |
| Speed (1.5cmX1.5cm) | Fluorescence: 45 min |
| Resolution | Up to 0.25 μ m/pixel (40X) |
| Throughput | 1 slide |
| Multiplexing Capability | Supports up to 100+ biomarkers depending on barcode compatibility |
| Image Analysis Software | inForm®: Intuitive learn-by-example interface that automatically segment and quantitate, tissue structures, cells and sub-cellular signatures |
| File format | Akoya Biosciences' whole slide scan image (QPTIFF), color images (JPEG, BMP, PNG) |
| Platform Electrical | |
| Input Voltage | PhenoCycler: 100-120V, 50/60Hz (\pm 10%) Fusion: 100-240V, 50/60Hz (\pm 10%) |
| Backup UPS (Optional, but Recommended) | APC Smart-UPS 1500VA |
| Operating Environment | |
| Temperature | +20°C to +26°C (68°F to 80°F) |
| Humidity | 30%-60%, No condensation |

* Measurements are approximations and could vary slightly for the final shipments

To learn more visit [AKOYABIO.COM](https://www.akoysabio.com) or email us at INFO@AKOYABIO.COM

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