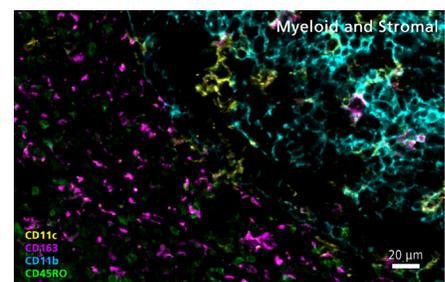
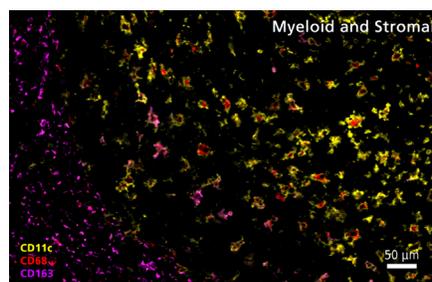
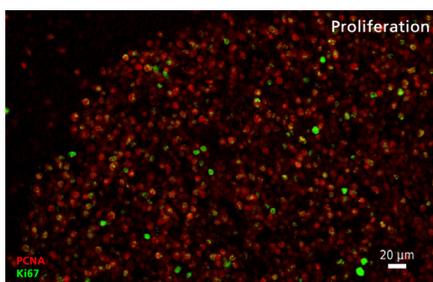
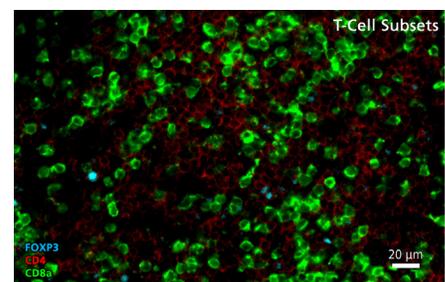
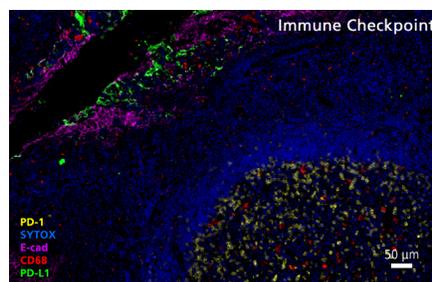
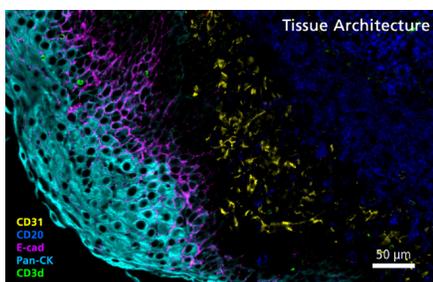
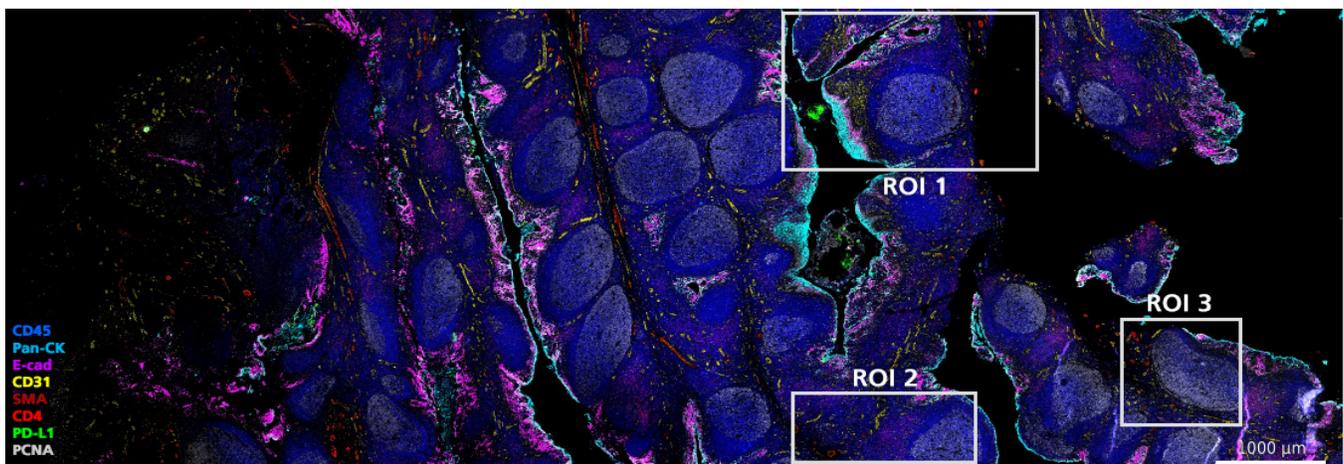


Orion™ Instrument

Precision Spatial Biology.

Unlock full slide context at subcellular resolution for spatial biology and clinical studies at scale.

- Data you can trust for actionable insights
- Efficient and reproducible workflow
- Complete spatial context across the entire slide
- High resolution, whole slide biomarker quantitation



Whole-slide imaging of a tonsil section stained with Orion reagents. Regions of interest show markers of tissue architecture, immune checkpoint, proliferation in follicles, markers of T-cell subsets, and myeloid and stromal cell markers.

Experience Orion data through an interactive viewer at rarecyte.com/interactive/.

Instrument

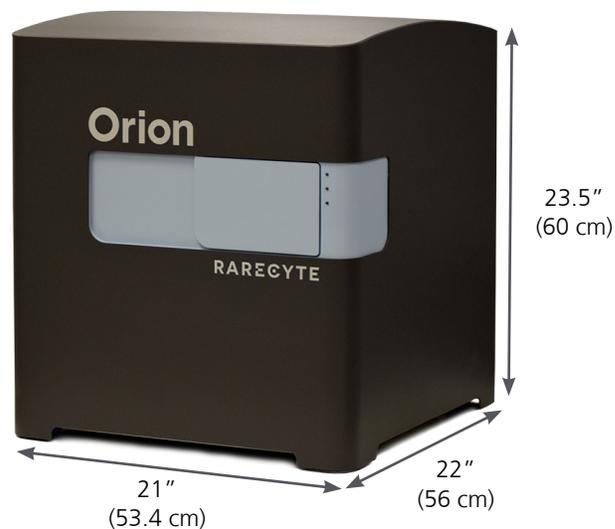
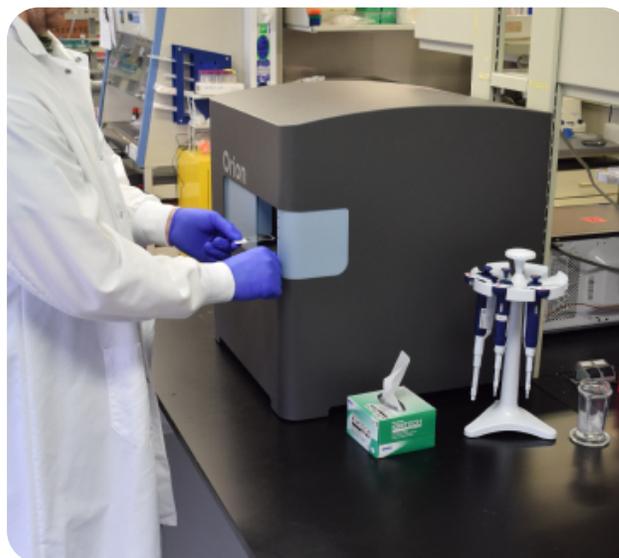
Specification	Value
Sample compatibility	IF, IHC, H&E
Scan speed	75 mins per cm ² at 20x
Illumination Lasers	405 nm - 730 nm
Emission	Tunable from 400-890 nm
Slide compatibility	1" x 3" x 1 mm
	25 mm x 75 mm x 1 mm
Slide capacity	2 slides
Slide loading	Manual
Load repeatability	+/- 5.0 µm
Focus	Image-based Autofocus
Objective turret	5-position, automated
	4X 0.2 NA
	10X 0.3 NA
Objectives	20X 0.75 NA
	40X 0.95 NA (Optional)
Camera	sCMOS 2K x 2K pixels 6.5 µm pixel size 95% QE 1.0 electron read noise
Safety	Class I LASER Product
File format	16-bit OME .TIFF

Workstation

Specification	Value
Storage	9 TB scan capacity
Connectivity	10 GB ethernet
OS	Windows 10 Enterprise
Imaging software	✓
Image viewing software	✓
Image annotation	✓
File management	✓
Remote Review	Optional

Footprint

Specification	Value
Size	21 x 22 x 23.5 (W/D/H in) 53.4 x 56 x 60 (W/D/H cm)



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SS-16-02