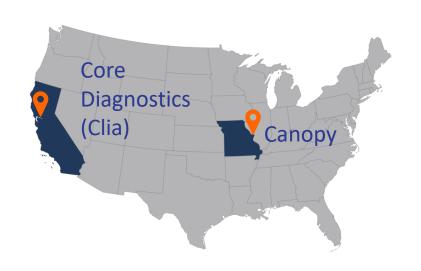


Canopy Biosciences - Portfolio

A Specialty CRO specializing in Spatial Immuno-Profiling Technologies and Multi-omic Analyses

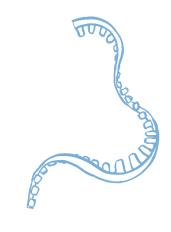




Central Labs in Leipzig & Hannover, DE and St. Louis & San Francisco, USA

Since September 2020 part of Bruker

MULTI-OMIC SERVICES & PRODUCT PORTFOLIO



Transcriptome

NanoString nCounter

NanoString GeoMX DSP

RNA-Seq and scRNA-Seq

FISH



Proteome

ChipCytometry

IHC

NanoString GeoMX DSP

Proteomics - ChipCytometry

CellScape Platform

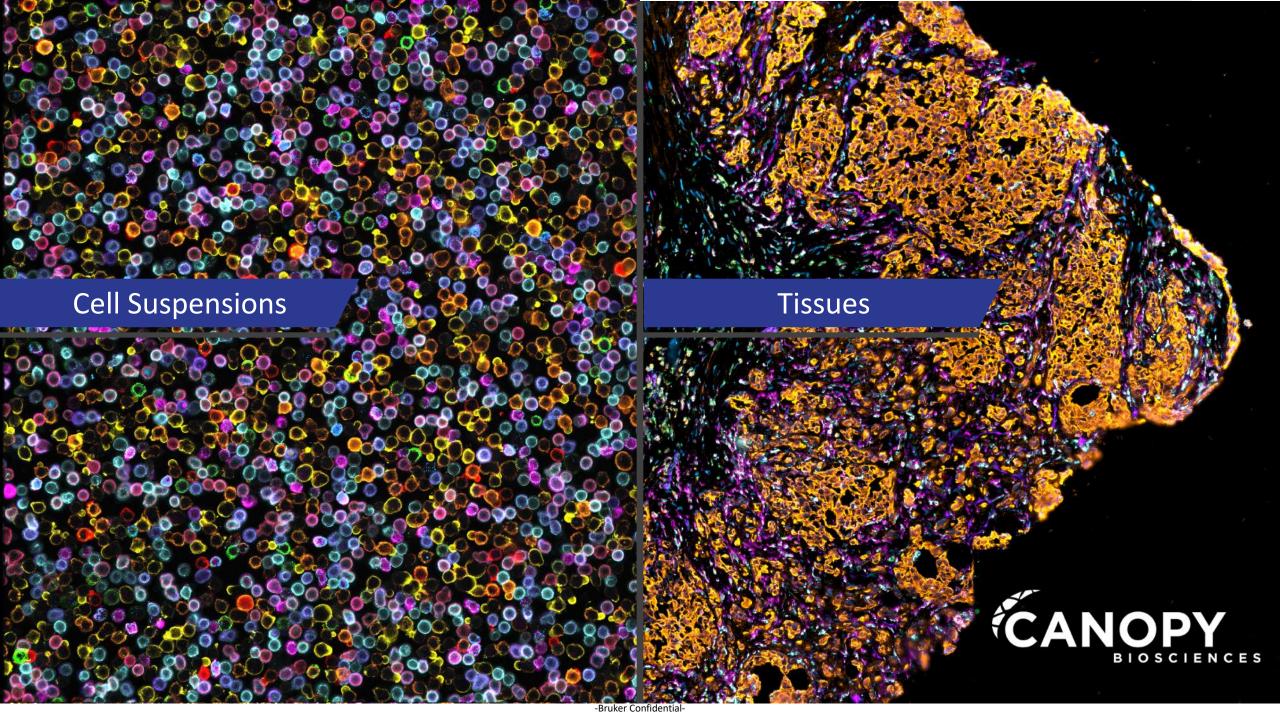
Chip Cytometry: High-plex proteomics with true single-cell resolution

Chip Cytometry is the immobilization of cells on microfluidic chips. On these chips single cells can be analyzed to obtain the following information;

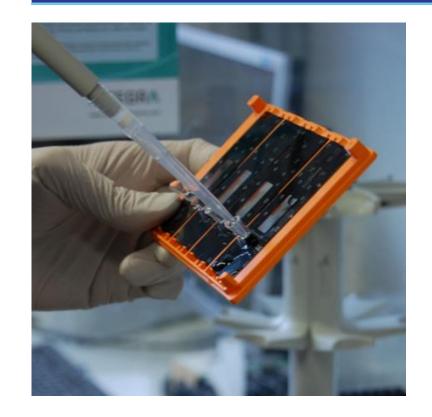
- Morphology and spatial information
- Expression of Surface Markers
- Intracellular Function/Markers

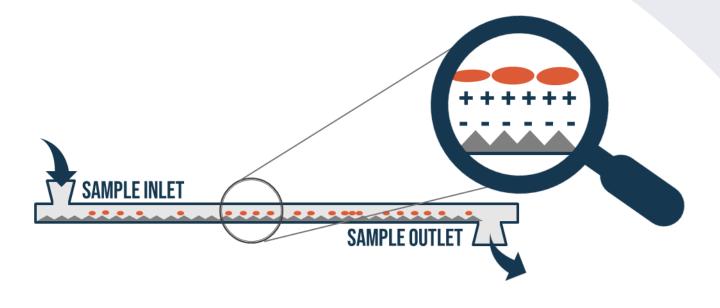
Key Advantages:

- Highest resolution and high dynamic range on the market
- Unlimited protein biomarkers
- Use of commercially available open-source reagents
- Samples can be bio-banked and reinterrogated for up to 2 years*
- Sample flexibility -- FFPE, FF, and PBMC's
- High throughput fully automated system

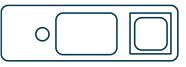


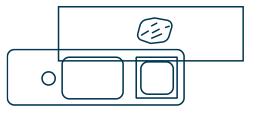








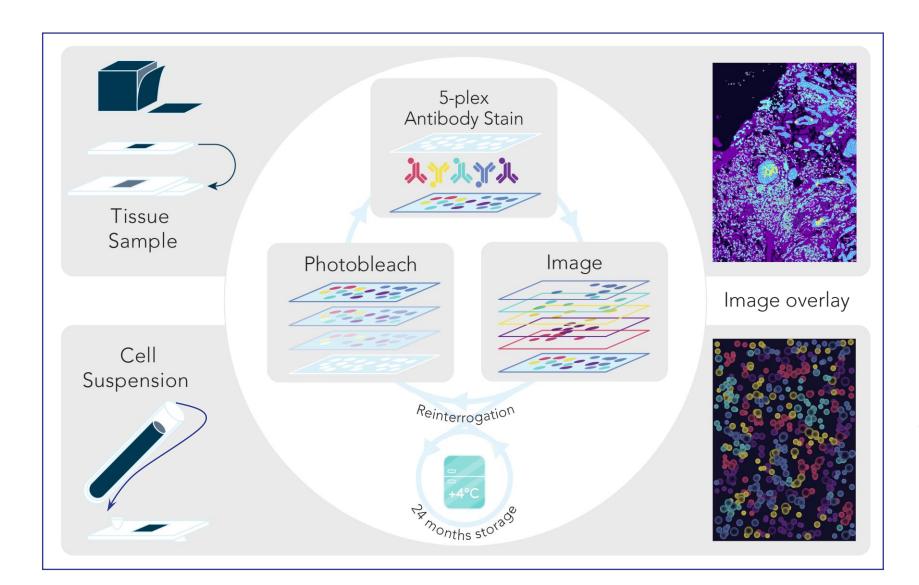




Product
Specimen
Loading capacity
Cell number

ZellSafe[™] Cells cell suspension 40-100µl typically 250,000

ZellSafe™ Rare rare cells (<0.02%) 40-300µl typically 1,000,000 ZellSafe[™] Tissue Tissue sections (5-7 microns) Up to 6 sections tissue-dependent (max 1.2-2.4 cm)



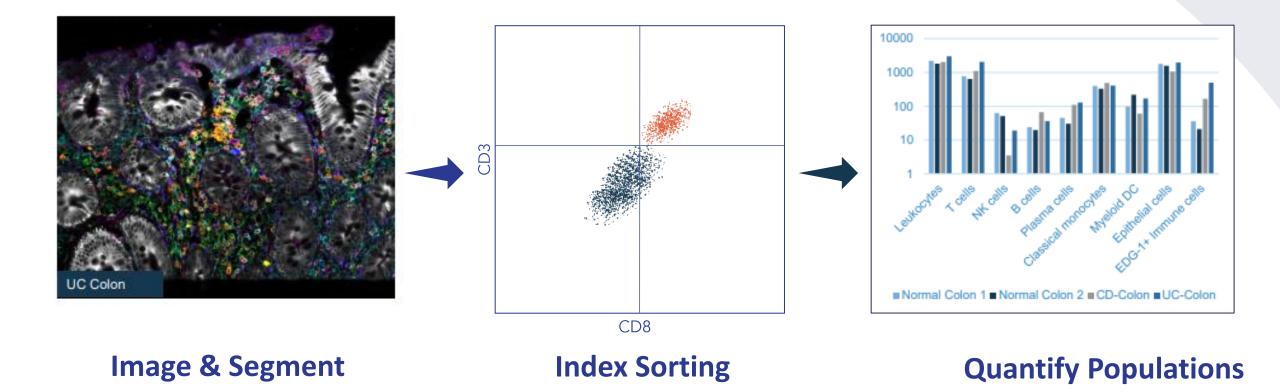
SCHEMATIC 2.

Samples are loaded onto

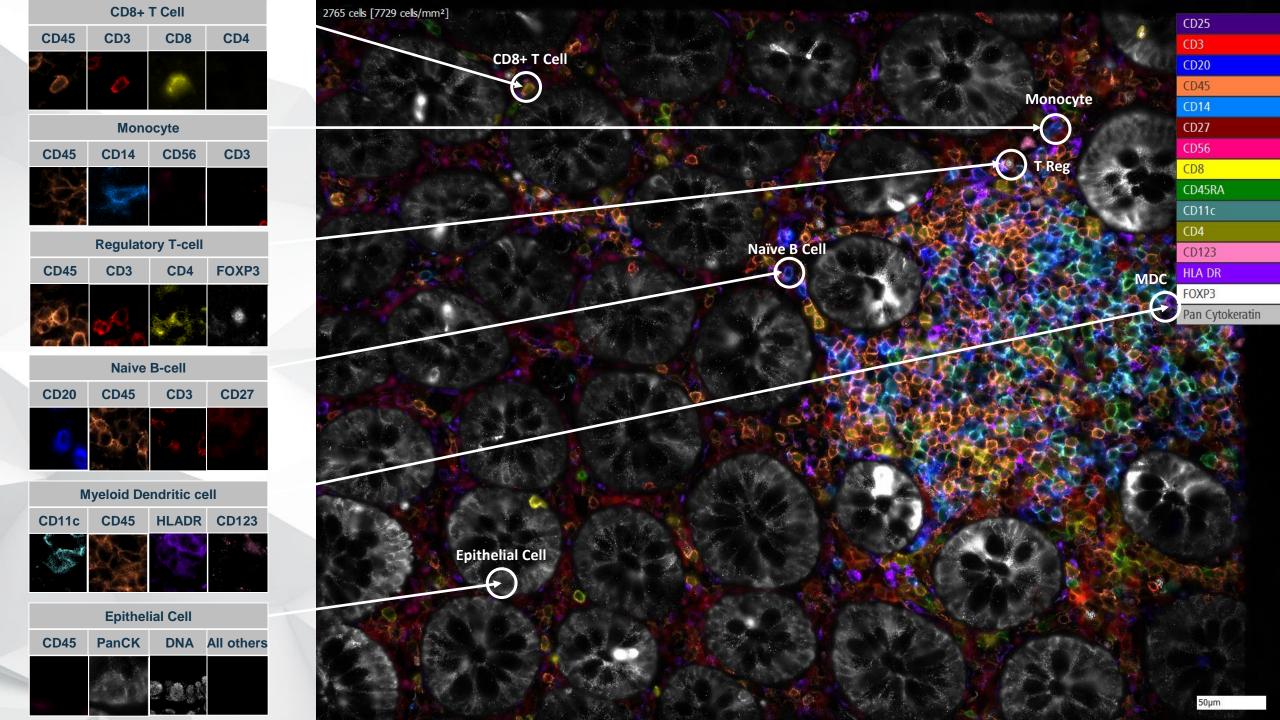
ZellSafeTM chips and iteratively
stained and imaged using
fluorescently labelled antibodies.

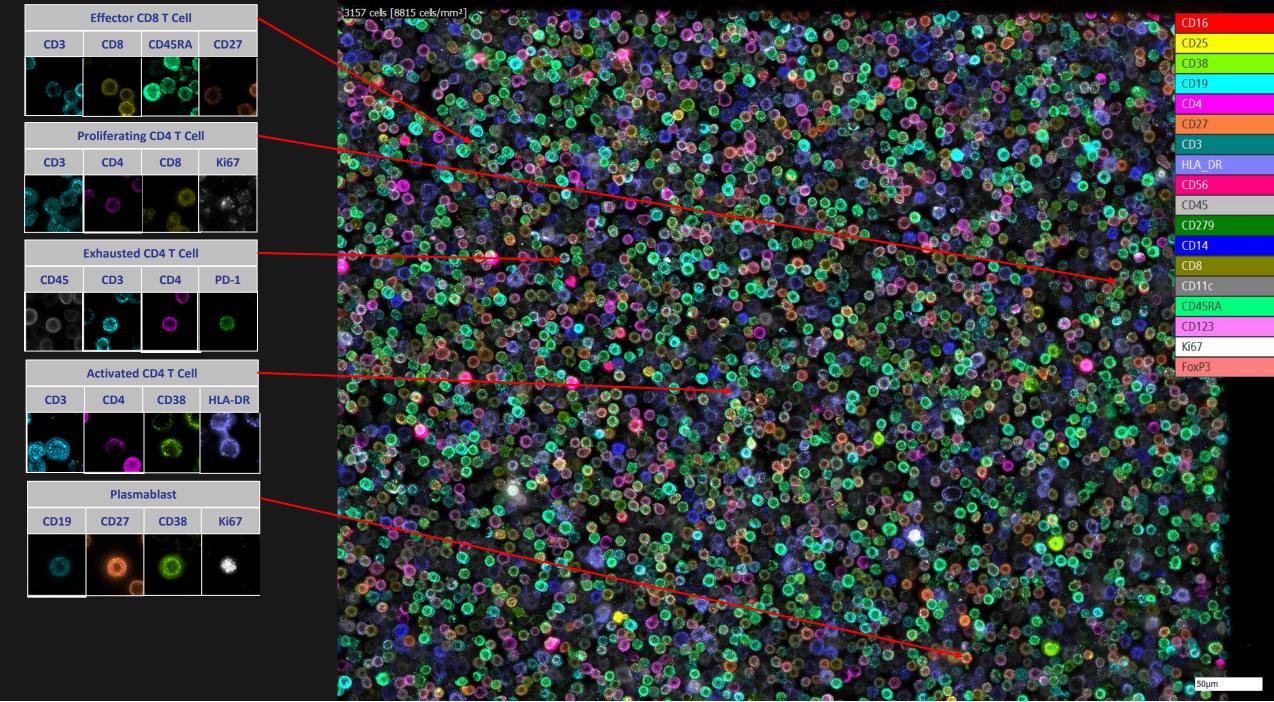
The serial images are digitally
overlaid for virtually unlimited
multiplexing of protein
biomarkers.





- FCS files are generated from high-resolution images allowing for the phenotyping of each individual cell in your sample
- Multi-channel OME-TIFFs
- CSV → every cell, FL intensity value for each marker, X-Y coordinates



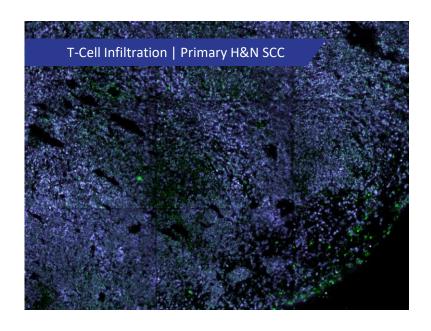


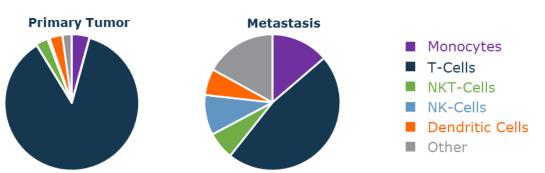
-Bruker Confidential-

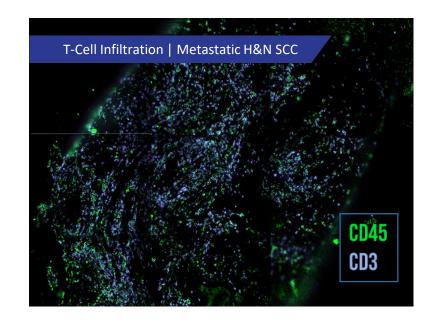




Quantitative data. New discoveries.







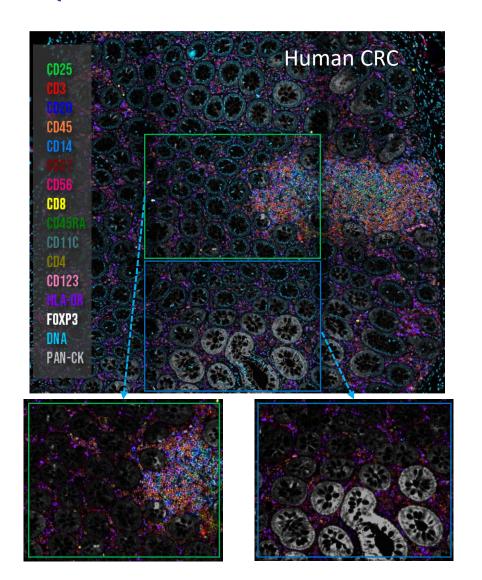
T Cell Infiltration.

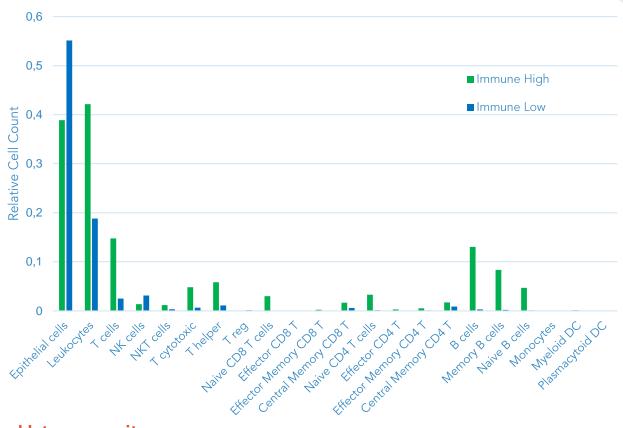
Comparing the immune cell composition of a primary and metastatic tumor site from the same patient reveals significant differences between the T-cell infiltration at the two sites.

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Quantitative data. New discoveries.





Tumor Heterogeneity.

Comparing the immune cell composition regions of interest from the same sample reveals significant heterogeneity in immune composition across the sample.

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Cytometry Instruments



ZellScannerONE

- Entry level pricing
- Medium throughput





CellScape

- Enclosed, compact instrument
- Walk-away Automation and Minimal Hands on

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Introducing CellScape: The Next-Generation ChipCytometry Instrument



Purpose Built and Highly Optimized for High-throughput, High-plex Spatial Proteomics

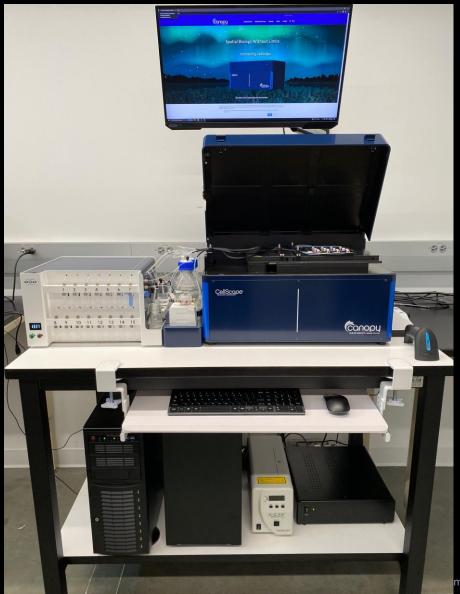


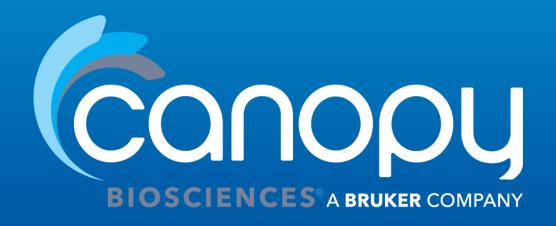
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Introducing CellScape™: The Next-Generation ChipCytometry™

Instrument





www.CanopyBiosciences.com