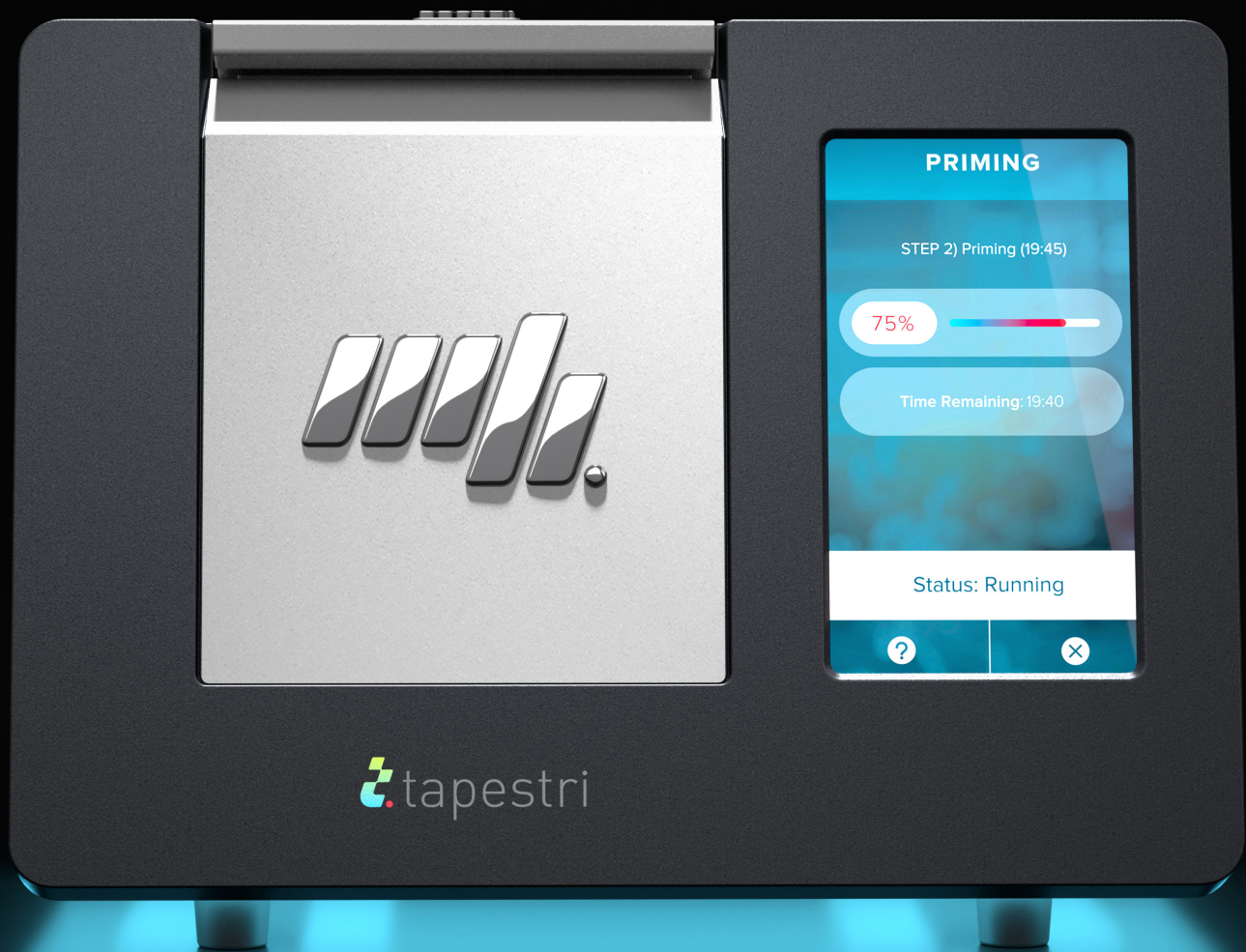


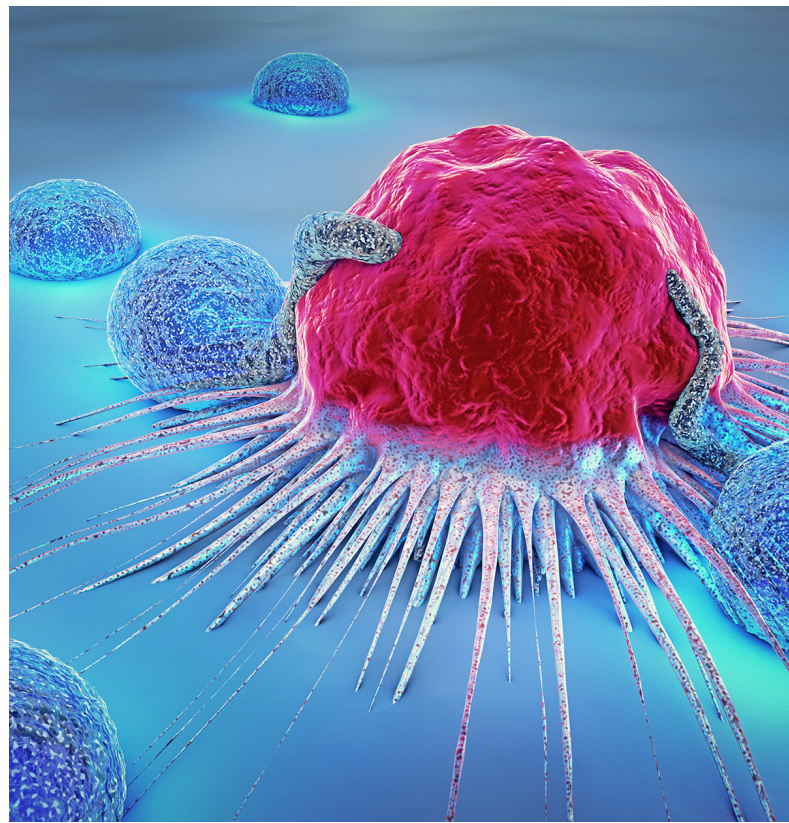
Tapestri Platform for Single-cell Multi-omics

Uncover genotype and phenotype insights simultaneously from single cells



Unravel cancer's complexity with true single-cell multi-omics

The Tapestri® Platform is the world's first and only single-cell solution that provides both genotype and phenotype data from the same cell. Based on a novel two-step microfluidic workflow, the Tapestri Platform can access DNA and protein in single cells to give you a true multi-omics picture. With its unprecedented speed and scale, you can now get actionable insights needed to get to the ground truth and unravel the threads of cancer's complexity.



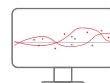
Tapestri Platform Highlights



Analyze DNA and protein expression simultaneously in single cells for true multi-omic insight



Complete solution with core kits to take you from single cells to a sequencing-ready library and analysis tools to convert your multi-analyte data to actionable insights



Targeted, customizable content for key oncology applications

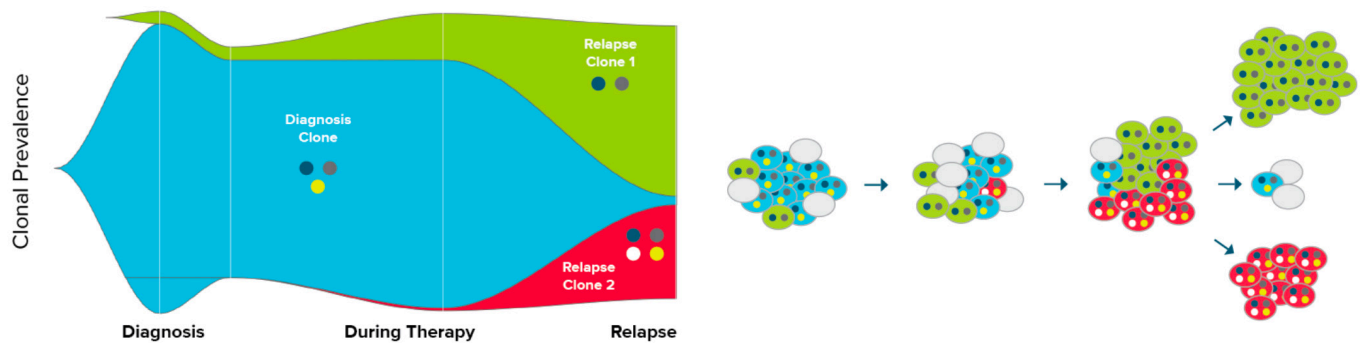
The importance of understanding cancer at a single-cell level

Cancer is a heterogeneous disease. In order to resolve heterogeneity and improve patient stratification, therapy selection, and disease monitoring, you need a tool that provides a holistic view of a cell, integrating data across multiple dimensions.

Unlike bulk sequencing, single-cell multi-omics enables you to:

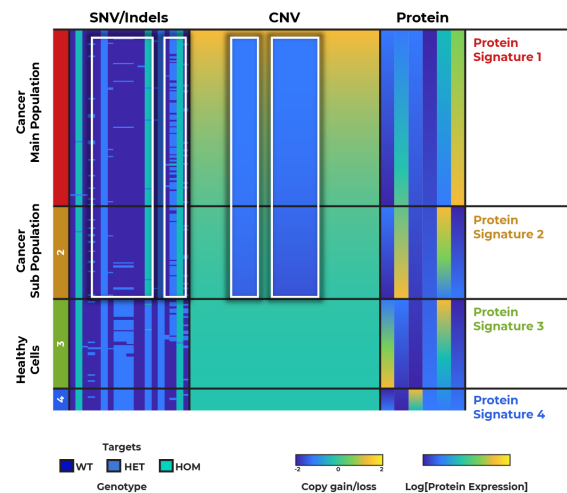
- Detect rare cell populations
- Measure zygosity
- Identify co-occurring mutations
- Resolve clonal heterogeneity

CLONAL RESOLUTION WITH SINGLE-CELL PRECISION



In order to see the evolution you need to understand the disease at a single-cell level.

THE POWER OF SINGLE-CELL MULTI-OMICS



Combining genotype and phenotype data from single cells offers the resolution for uncovering unique disease signatures for personalized therapeutics.

“A single cell multiomics platform really gives you a degree of detail, which we have inferred or assumed, but have never been able to prove until now. What we can do is drill down to confirm that those [DNA mutations and immunophenotypes] co-exist . . . what is going to make a difference for that patient, it’s being able to target what is the true driving cause of the disease.”

- Katherine D. Cummins, MD, FRACP, FRCPA








Targeted, customizable content for key oncology applications

Tapestri Single-cell DNA panels allow you to focus on the mutations and regions of interest that are most relevant to your disease research. Select from pre-designed panels carefully curated for a range of cancer research areas to get your lab up and running with minimal time and effort. Alternatively create a fully customizable panel for utmost flexibility.

Oligo-tagged protein antibodies can be integrated to your Tapestri experiments to enable concurrent measurement of proteins, uncovering both genotypes and phenotypes from the same cell.

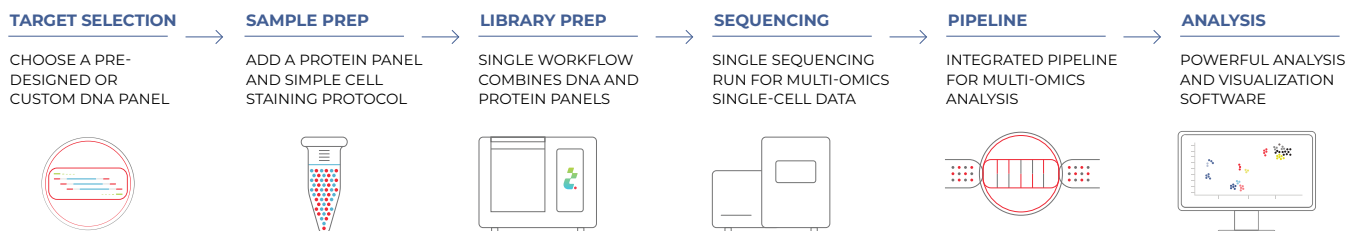
Applications include hematological malignancy, solid tumor, genome editing, biomarker discovery and cell and gene therapy.

 <p>Hematologic malignancy</p>	 <p>Solid tumor</p>	 <p>Genome editing</p>	 <p>Biomarker discovery</p>	 <p>Cell & gene therapy</p>
<p>Pre-designed DNA panels:</p> <ul style="list-style-type: none"> • Acute myeloid leukemia • Myeloid • Chronic lymphocytic leukemia • Acute lymphoblastic leukemia • T-cell lymphoma • Mantle cell lymphoma • Myelodysplastic syndrome • Multiple myeloma • Myeloproliferative neoplasms • Chronic myeloid leukemia • Follicular lymphoma • Classic Hodgkin's lymphoma • Diffuse large B-cell lymphoma <p>Pre-designed protein panel:</p> <p>TotalSeq-D Heme Oncology Cocktail</p>	<p>Pre-designed DNA panels:</p> <ul style="list-style-type: none"> • Tumor hotspot • Breast invasive carcinoma • Skin cutaneous melanoma • Glioblastoma multiforme • Ovarian serous cystadenocarcinoma • Lung squamous cell carcinoma • Colon adenocarcinoma • Pancreatic adenocarcinoma • Prostate adenocarcinoma • Lung adenocarcinoma • Liver hepatocellular carcinoma • Kidney renal clear cell carcinoma 	<p>Partner with Mission Bio for single-cell mutational profiling and genome editing, and build a single-cell DNA panel on the Tapestri platform.</p> <p>Contact a representative for more information.</p>		
<p>Custom DNA panels:</p> <p>20 to 1,000 amplicons to cover DNA regions of interest</p>		<p>Custom protein panels:</p> <p>Up to 30 oligo-conjugated antibodies to cover surface protein expression</p>		

End-to-end solution that seamlessly plugs into your NGS workflow

Use the Tapestri instrument, reagents and consumables up-front of your NGS system and then Tapestri Pipeline and Tapestri Insights software for data analysis and visualization.

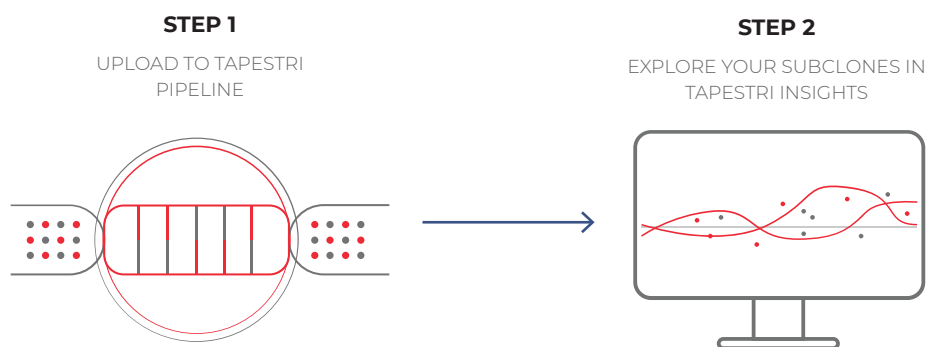
THE TAPESTRI WORKFLOW



From complex multi-analyte data to actionable, ground-truth insights

Tapestri Pipeline and Tapestri Insights software solutions provide a streamlined bioinformatics workflow optimized for single-cell DNA and protein analysis. From sequence import to data analysis and visualization all packaged in a user-friendly experience, our turnkey analysis solutions ensure that you gain meaningful insights to advance your research.

TWO STEP PROCESS



Tapestri Platform specifications

TAPESTRI PLATFORM SPECIFICATIONS

Variant and analyte type detected	SNV, indel, CNV, LOH and translocation in DNA; protein expression
Throughput	Up to 10,000 cells
Instrument dimensions	In H x W x D, 12.5 in x 11.75 in x 12.25 in (31.75 cm x 29.85 cm x 31.33 cm)
Operating conditions	Standard laboratory environments. Not exceeding 6,562 ft (2,000 m) above sea level. Maintain 5 – 85 % relative humidity, non-condensing. Maintain 4 in (10.2 cm) of clearance at the vents (back of instrument).
Power requirements	100 – 240 V AC power at 50 – 60 Hz; 2.0 A maximum

TAPESTRI PLATFORM COMPONENTS PART NUMBER

Tapestri Instrument	191335
Tapestri Single-Cell DNA Cartridge Kit	046459
Tapestri Single-Cell DNA + Protein Core Kit	MB03-0034
Tapestri Single-Cell DNA Catalog Panel Kits	missionbio.com/panels/catalog-panels/
Tapestri Single-Cell DNA Custom Panel Kits	missionbio.com/panels/custom-panels/

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