

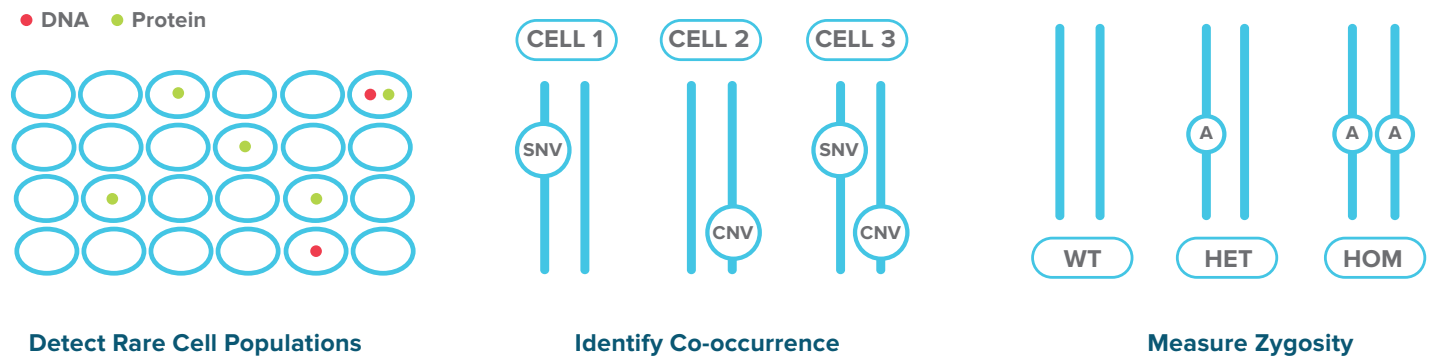
Mission Bio Tapestri® Platform

Clonal Diversity Revealed

The Tapestri Platform is the first and only single-cell platform to simultaneously detect Single Nucleotide Variants (SNVs), Copy Number Variations (CNVs) and proteins from the same single cells. To resolve heterogeneity and improve patient stratification, therapy selection, and disease monitoring we need to detect rare clonal populations and identify co-occurrence and zygosity within every single cell.



The power of single-cell DNA analysis



High-Throughput Single-Cell DNA + Protein Platform

The Tapestri Platform enables targeted single-cell DNA and protein analysis at unprecedented speed and scale. Use the Tapestri instrument, reagents and consumables up-front of your NGS system followed by Tapestri Pipeline and Insights software for data analysis and visualization.

The Tapestri workflow



Targeted Panels For Precision Discoveries

Run targeted Single-Cell DNA Panels with catalog or customizable content, so you can focus on the mutations and regions of interest that are most informative for your disease research. In addition, oligo-tagged protein antibodies can be added to your Tapestri experiments to unlock multi-omic data from thousands of single cells. This customizable and targeted approach allows you maximum flexibility to design experiments that match your budget and research needs.

It's the ability to understand heterogeneity at the single-cell level that is poised to **help move precision medicine forward.**

HEMATOLOGY DNA PANELS

- Acute Myeloid Leukemia
- Myeloid
- Chronic lymphocytic leukemia
- Acute lymphocytic leukemia
- Myeloproliferative neoplasms
- Diffuse large B-cell lymphoma
- Follicular lymphoma
- Mantle cell lymphoma
- T-cell lymphoma (all types)
- Chronic myeloid leukemia
- Multiple myeloma
- Classic Hodgkin's lymphoma
- Myelodysplastic syndromes
- Chronic myelogenous leukemia

SOLID TUMOR DNA PANELS

- Tumor Hotspot
- Breast invasive carcinoma
- Lung squamous cell carcinoma
- Colon adenocarcinoma
- Liver hepatocellular carcinoma
- Lung adenocarcinoma
- Ovarian serous cystadenocarcinoma
- Prostate adenocarcinoma
- Skin cutaneous melanoma
- Kidney renal clear cell carcinoma
- Pancreatic adenocarcinoma

APPROXIMATE NUMBER OF SEQUENCING READS RECOMMENDED

(80x average coverage per amplicon per cell and 2x150bp paired-end sequencing)

	Number of amplicons in panel		
	50	150	300
1,000 Cells	4M	12M	24M
5,000 Cells	20M	60M	120M
10,000 Cells	40M	120M	240M

CUSTOM PANELS



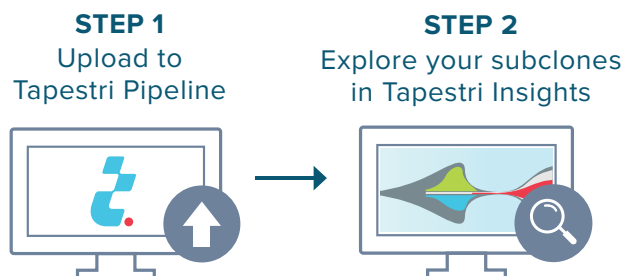
With the simple and intuitive interface of Tapestri Designer, your custom design can be completed within minutes. Primer design algorithms and multiplex PCR biochemistry have been optimized for the Tapestri Platform, so you can be confident of high design coverage and high panel uniformity.

CUSTOM PROTEIN PANELS

Custom service for DNA oligo-conjugated antibodies. Contact a representative today to get started.

Intuitive Software

With Tapestri Pipeline and Insights software, Mission Bio offers a complete software solution for single-cell DNA and protein analysis. From sequence import to data analysis and visualization, our turnkey software ensures you gain meaningful insights to advance your discoveries.



CONTACT US TO LEARN MORE

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