(A) Use Case 1: Individual Sample Immune Profiling

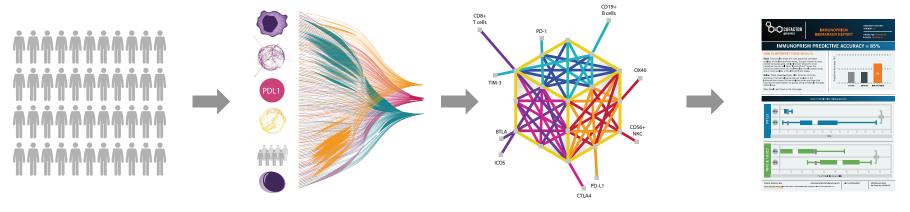Biopsy is collected from solid tumor of cancer patient

Tissue is archived as heterogenous mixture of cells in FFPE

RNA is extracted and sequenced using ImmunoPrism Assay

Database of Health Expression Models enable quantification of immune cells

Immune profiling report is generated for each sample

(B) Use Case 2: Multidimensional Biomarker Discovery

ImmunoPrism data for multiple patients is collected, along with clinical outcomes/meta data

Individual immune profiles are combined using machine-learning to identify optimal features

The output is a multidimensional biomarker that defines patient cohorts with high predictive accuracy

The multidimensional biomarker report provides statistical anlaysis, and can be used to predict outcomes of future samples