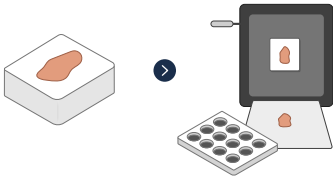


Pyxa™ Analysis Services

Discover our fully integrated in-situ 3D spatial multiomics sample analysis offering

Step 1

Tissue sectioning and placement into 12 well plate



Tissue is fixed and attached to each well

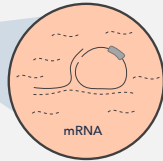


Step 2

Thick tissue



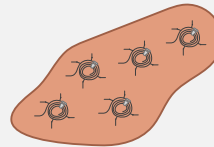
SNAIL probe hybridization and ligation



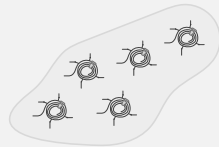
DNA amplicon generation



Tissue is embedded into a 3D hydrogel

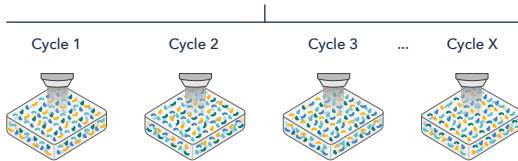


Tissue is cleared for sequencing



Step 3

3D sequencing using Pyxa system



Primary image processing on-instrument



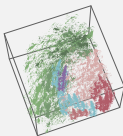
Processed data for analysis

	Cell 1	Cell 2	...	Cell X
Gene A	3	0		11
Gene B	0	5		3
...	...	...		...
Gene X	1	7		0

Step 4

Data analysis

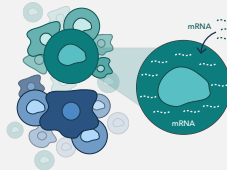
3D gene expression patterns in intact tissue



3D cell cluster and cell-cell Communication analysis



Identify and track cell manipulations



Rare cell communication events



Gene regulation and Translational analysis

