

Colon Adenocarcinoma tissue section stained with 30 markers and imaged using the Cell DIVE system. Analysis performed using Aivia's multiplex cell detection recipe and automatic clustering tool.

## GAIN DEEPER SPATIAL INSIGHTS WITH A COMPREHENSIVE WORKFLOW FOR LARGE MULTIPLEXED 2D IMAGES

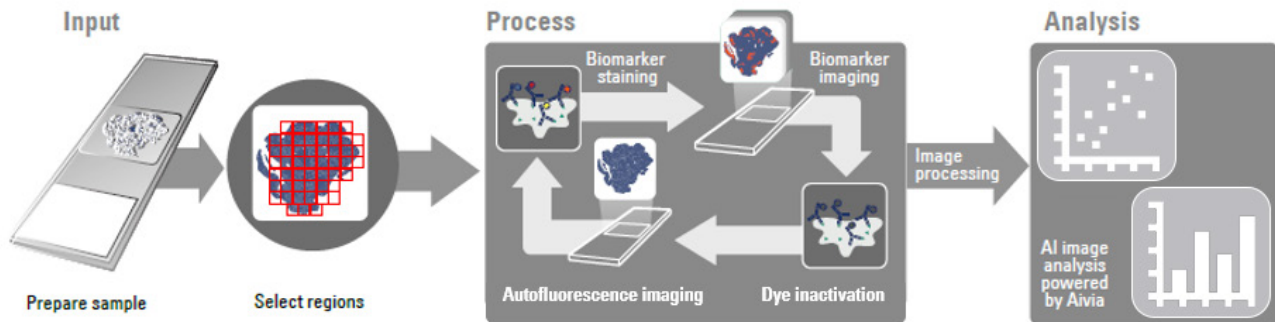
**Cell DIVE is a precise, open multiplexing solution that allows you to follow where the science leads.**

- > Highly multiplexed imaging without expensive and restrictive commercial panels
- > Tissue-preserving imaging without damaging, stripping or photobleaching
- > Get more information out of a single experiment with an extra-large imaging area
- > Rapid multiplexing at scale with customizable automation
- > Accurate cell detection and automatic clustering with up to 30 markers with Aivia AI image analysis software



# Cell DIVE: Precise, patented image processing for reliable, reproducible data

Spatially map 60+ biomarkers from just one tissue section, at the single-cell level

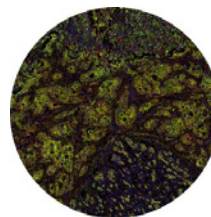


The Cell DIVE process uses integrated software, hardware, and laboratory steps to iteratively stain and destain tissues to visualize and analyze 60+ biomarkers on a single tissue section.

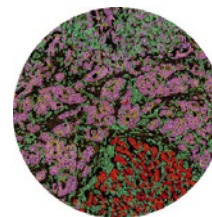
## Elevate your research with Aivia AI-based image analysis software

Harness the power of AI for spatial insights

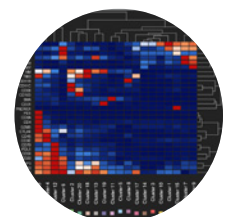
- > Easy-to-use deep learning segmentation and classification tools
- > Open, view, and interact with large, multiplexed 2D images (up to 100 channels, with more than 1 million detected objects)
- > Accurately segment cells with different morphologies in large, multiplexed 2D images with AI
- > Discover the cell phenotypes in your image using AI-powered phenotyping or data-driven unsupervised automatic phenotyping
- > Easily open and interactively explore 2-to-5D microscopy data sets from anywhere using the free Aivia Community software



**Original Data**  
Has over a million objects with 30 markers, creating challenges for data interpretation



**Automatic Clustering**  
Helps to identify structures of interest based on user-selected markers and measurements



**Dendrogram**  
Interactively viewing the relationship between intensity or morphological measurements and phenotype selection in the image

Request a free trial of Aivia today!

[www.aivia-software.com/demo](http://www.aivia-software.com/demo)



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