

Parhelia Omni-Stainer™

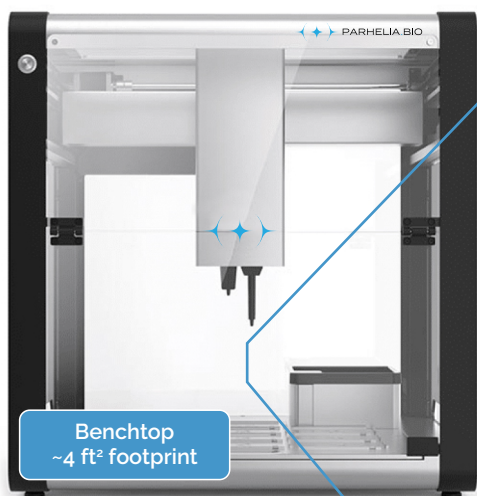
Automate any spatial biology staining protocol

Parhelia Omni-Stainer™ System

- ✓ High consistency
- ✓ Execute validated protocols instantly
- ✓ Reduce reagent consumption by 50%
- ✓ High throughput
- ✓ Walk-away automation

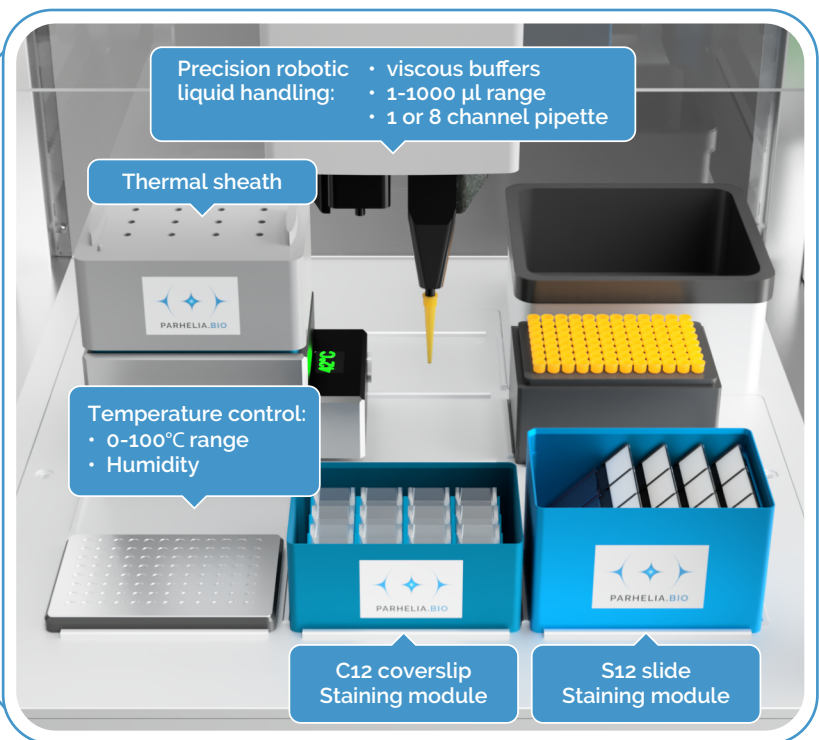
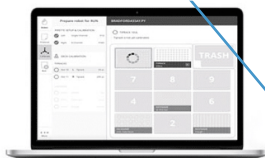
Manual Staining

- ✗ High variability
- ✗ Takes months to master
- ✗ Uses large volumes of costly reagents
- ✗ Low throughput
- ✗ Labor-intensive



Watch Video

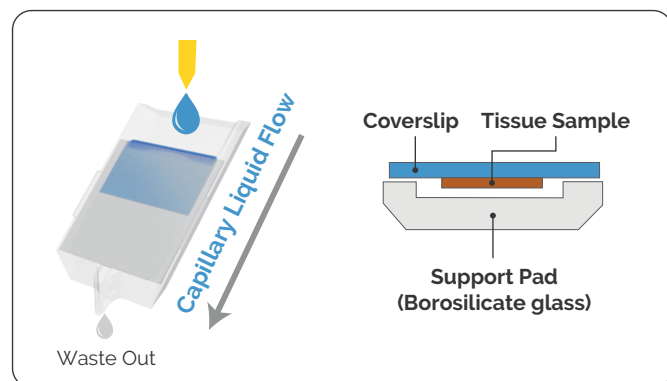
Optional Stainworks™
Code-Free Software



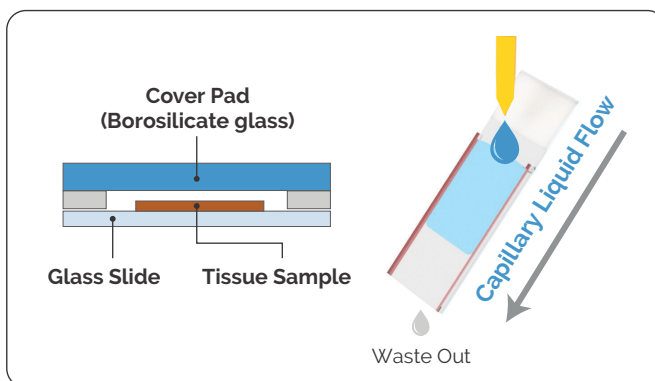
Gentle and Uniform Staining achieved with capillary gap and laminar flow

- Reduces artifacts that result in false negatives/positives by protecting precious samples from dehydration, shear, and delamination
- Improves signal-to-noise ratio by 10% (mean for 30 markers)
- Thoroughly vetted and optimized for automation
- Consumes 50-75% less reagents vs open-top
- Uniform staining without edge artifacts

Coverslip-mounted Samples

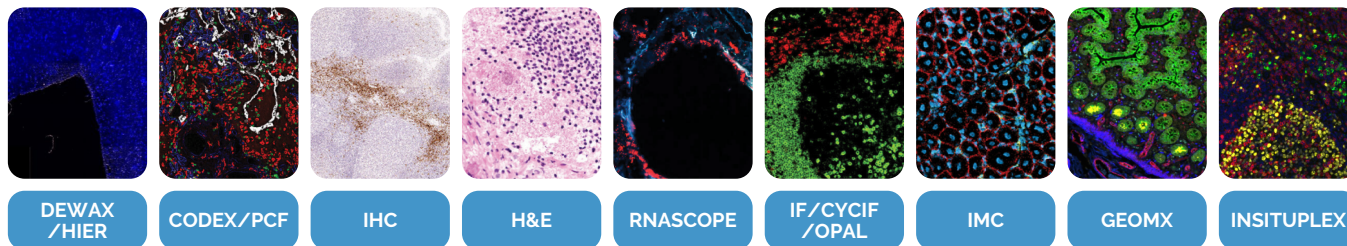


Slide-mounted samples



Validated Applications

[ASK US ABOUT ANY ASSAY](#)



Omni-Stainer™ Platform Specs

Sample type	: FFPE and OCT Tissue Sections, Cell Spreads, Adherent Cell Cultures
Sample mounting	: Slides or Coverslips
Full automation	: YES
Technique	: Capillary Gap with Laminar Flow Buffer Exchange
Sample throughput	: 1 - 24 (heating/cooling), up to 72 (room temp)
Footprint (size)	: Benchtop, 25x23 in (63.5x58.5 cm)
Staining volume	: 100µl (slides), 60µl (coverslips)
Dead volume	: 0 µl
Programing flexibility	: StainWorks Web App (code-free) or Python Scripting