Spatial proteomics solutions

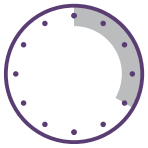
Welcome to the world of spatial imaging, where precision and innovation converge to unlock new insights. Spatial imaging allows researchers to visualize and analyze the spatial distribution of biomolecules within tissues, helping provide a deeper understanding of complex biological systems. We are dedicated to supporting your success in spatial proteomics with our comprehensive suite of products designed to enhance your workflow.

Accelerate multiplexed tissue imaging with the Invitrogen EVOS S1000 Spatial Imaging System

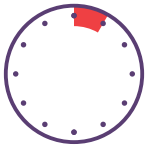
- **Fast acquisition of high resolution 9-plex images in a single round**
- **Compatible with various tissue labeling methods**
- **Spectral imaging preserves tissue integrity and enables simultaneous detection of up to 8 target proteins**
- **Simple, high quality spectral unmixing**

Benefits of EVOS S1000 spectral unmixing technology

Faster time to clear data



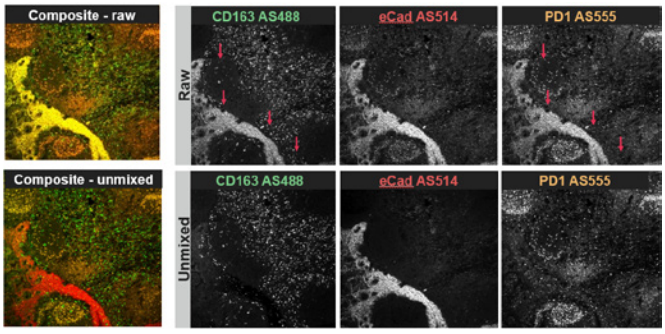
4 hours
Average time to image a 9-plex using prior technologies



1 hour
Average time to image a 9-plex using the EVOS S1000

*Time to image is based off using 20X magnification and 1 cm^2 of tissue

Multiple fluorophores can result in hidden data. Spectral unmixing reveals clear signals.



Raw (mixed) and processed (unmixed) images of human tonsil. Spectral unmixing, performned automatically by the EVOS S1000, reduces signal overlap resulting in cleaner images and more accuracy in downstream data analysis.

Spatial imaging products at a glance

9-plex fluorescent imaging

in a single round with 1 software ecosystem. Scan, stitch and spectrally unmix a tissue sample under an hour at 20X with the Invitrogen™ EVOS™ S1000 Spatial Imaging System.*

Over 100,000 primary antibodies

Verified for IHC including primary antibodies conjugated to Invitrogen™ Alexa Fluor™ dyes

8 conjugation-ready dyes

verified for spatial imaging, available in convenient, kitted formats with Invitrogen™ ReadyLabel™ Antibody Labeling Kits

Label 4 RNA targets

simultaneously with your protein targets using the Thermo Scientific™ ViewRNA™ Tissue Fluorescence Assay Kits

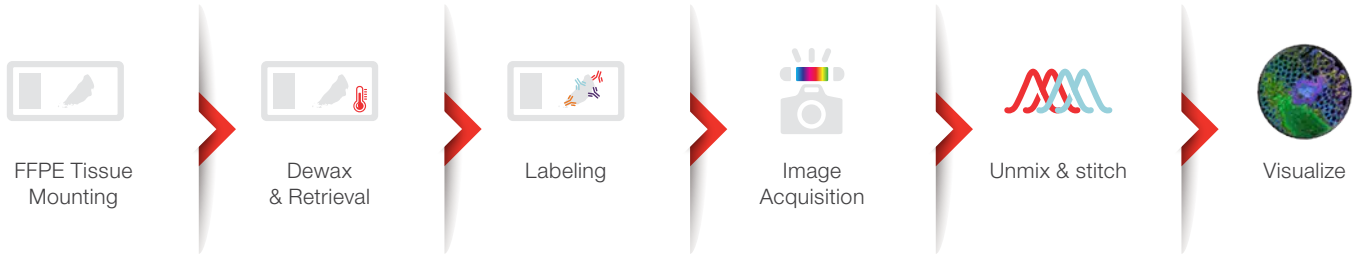
8 Aluora dyes

for up to 9-plex labeling with DAPI with Invitrogen™ Aluora™ Spatial Amplification Kits

Spatial imaging workflow - deeper insights in one sample

Tissue staining
Flexible tissue staining products

Image acquisition & exploration
Fast image acquistion and easy-to-use unmixing and stitching with the EVOS S1000 Imaging System



Flexible labeling solutions to help overcome traditional IHC challenges

ViewRNA™ Tissue Kits

Multiplex RNA targets with single molecule sensitivity

Aluora™ Spatial Amplification Kits

Excellent signal-to-noise and antibody flexibility

Alexa Fluor™ Conjugated Primary Antibodies

Fast multiplex labeling in a single step

ReadyLabel™ Antibody Labeling Kits

2-in-1 antibody labeling and purification kit with dyes optimized for spatial imaging

Alexa Fluor™ Antibody Labeling kits

Range of fluorophores to label large quantities of antibodies

Custom conjugation services

Outsource antibody and protein labeling to our expert custom conjugation team

Not sure which reagents you need? Visit thermofisher.com/spatial-tool

Learn more about spatial proteomics workflows
thermofisher.com/spatial-biology