

Dewax-HIER | Dewax-H&E

SKYLAB™ Kits

Superior reagent solutions that scale with any slide staining throughput

Achieve staining clarity and reproducibility with single-use Skylab reagent kits:

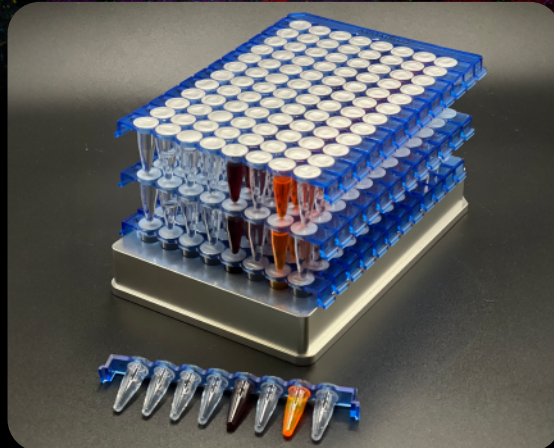
- One strip of 8 reagents per sample
- Puncturable seals ensure no cross-contamination

Skylab reagent kits contain everything you need to automate routine spatial sample prep in a single-use, 96-well plate format.

Optimized for Automation on the Parhelia Spatial Station™ or Omni-Stainer™

Just like NASA's Skylab enabled astronauts to do science, Parhelia's Skylab kits are designed to simplify your staining workflows.

Skylab reagent kits contain everything you need to automate routine spatial sample prep in a single-use, 96-well plate format.



Parhelia Dewax: Complete and non-toxic de-paraffinization

While paraffin embedding represents a time-tested method for preserving tissue slides, the wax must be removed (i.e., de-paraffinization) before staining and biomarker imaging. Incomplete dewaxing can introduce imaging artifacts or mask critical binding sites for probes.

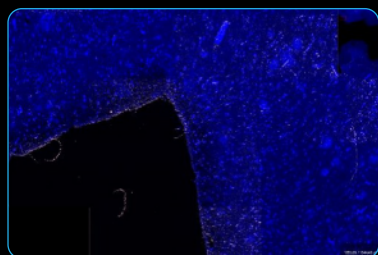
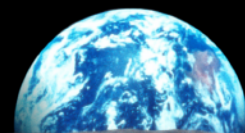
Parhelia Dewax offers complete and uniform removal of paraffin wax without any toxic components. Use best-in-class Parhelia Dewax on any tissue, including fatty tissues like brain, spleen, and intestine, that typically resist xylene-based dewaxing protocols.

Both Skylab kits include the appropriate amount of dewaxing reagent for each sample, so you can set up assays and accomplish other tasks.

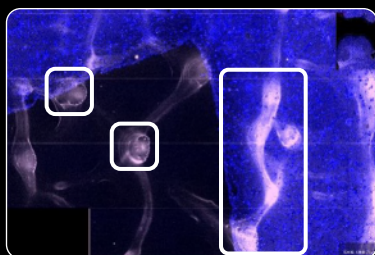
Perform all your assays inside the instrument and never revisit a fume hood.

Parhelia Dewax is:

- Xylene-free
- Environmentally friendly
- Colorless and odorless
- Non-toxic (no OSHA exposure limits)



Parhelia Dewax



Xylene dewaxing (2 x 15 min)

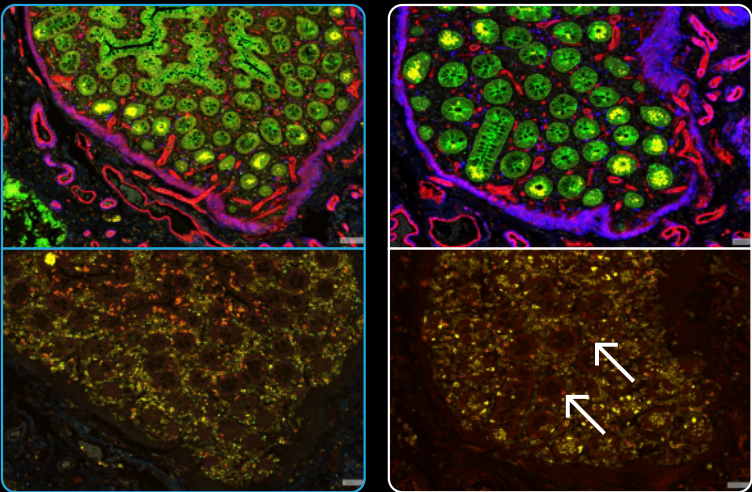
Clear slides with no artifacts

Achieve high-quality dewaxing on any specimen, including human brain tissue, as shown here. Parhelia Dewax (left) completely removes the paraffin, while xylene treatment (right) yields incomplete dewaxing, resulting in autofluorescence (white boxes).

Automate routine sample prep with Skylab

Skylab kits are designed to support flexible throughput and contain all the reagents you need to process slides in sealed, perforated 96-well plates (4 per kit). Achieve reliable, consistent results with pushbutton efficiency.

Dewax with Epitope Retrieval (HIER) Kit



Parhelia Dewax/HIER

Competitor

Get reproducible and efficient slide processing without a fume hood or pressure cooker with Skylab Dewax/HIER kits in your Parhelia Spatial Station or Omni-Stainer. Ideal for spearheading any spatial assay, these kits effectively remove wax and retrieve antigens in all tissue types, including brain and other fatty specimens.

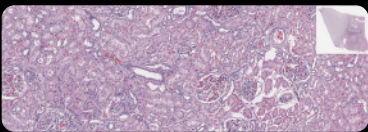
Dewax and HIER were performed on Human Jejunum FFPE specimens using (left) the Skylab Parhelia Dewax/HIER Kit on an Omni-Stainer or (right) a competitor reagents and autostainer.

Top row shows 4-color GeoMx DSP staining results (aSMA, PCK, CD3, caveolin1), while the bottom row demonstrates 2-color IF (CD45, CD8A). Autofluorescence (arrows) was evident in the red channel for the competitor.

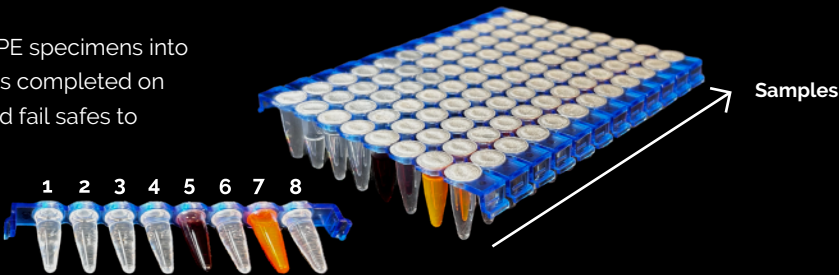
Dewax with Hematoxylin & Eosin (H&E) Kit

Get complete, repeatable, and ideal H&E staining for every sample, hands-free on your Parhelia Spatial Station or Omni-Stainer automation platform.

Turn the baking, dewaxing, and H&E staining of FFPE specimens into scalable, turnkey, automated processes. Workflows completed on the Parhelia Spatial Station include an audit trail and fail safes to ensure quality control.



Human kidney prepared with Skylab Dewax/H&E



Skylab Kit	Primary Application	Part No.	Tube Contents								Core Applications	Samples per Kit
			1	2	3	4	5	6	7	8		
Auto Dewax/HIER	Epitope Retrieval of FFPE samples	40500	Parhelia Dewax Reagent	100% EtOH	95% EtOH	70% EtOH	RNase/ DNase free water	ER1 (pH 6) buffer	ER2 (pH 9) buffer	PBS	Baking Dewax Rehydration	48 (12 per plate)
Auto Dewax/H&E	H&E Staining of FFPE samples	40600			70% EtOH	RNase/ DNase free water	Hematoxylin	Bluing reagent	Eosin	100% EtOH		



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Automating Spatial Biology with Pushbutton Precision