

HALO AP[®]

CASE-CENTRIC DIGITAL PATHOLOGY MANAGEMENT SOFTWARE

AI Powered, Pathologist Driven



indica labs
AI-POWERED PATHOLOGY

For Research Use Only. Not for use in diagnostic procedures.

Accelerate Your Journey
Imagine The Possibilities

Leica
BIO SYSTEMS



HALO AP® brings together data, whole slide images, and AI-based analysis results in an ergonomic, case-based platform ideal for remote work.

HALO AP[®]



An AI-powered, pathologist-driven digital pathology platform with intuitive workflows for internal and external slide sharing, tumor boards, case review, and clinical trials.

What sets HALO AP[®] apart?

- + User-friendly platform with complete toolkit for efficient, standardized case review
- + Intuitive workflows streamline Tumor Board Meetings
- + Collaborate with colleagues, near and far, with the click of a mouse
- + Comprehensive integration, training, and support services
- + Secure cloud or on-premise deployments that work with your existing LIS | LIMS system

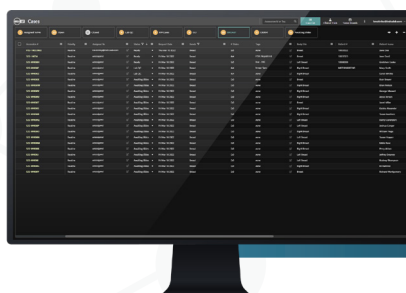
WORK WITH YOUR EXISTING SYSTEM

1

Image whole slides & scan barcode



Aperio GT 450 scanner

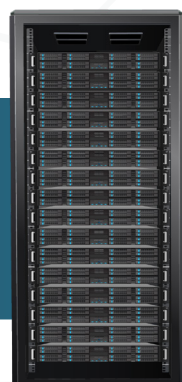


View case data in LIS | LIMS and HALO AP®

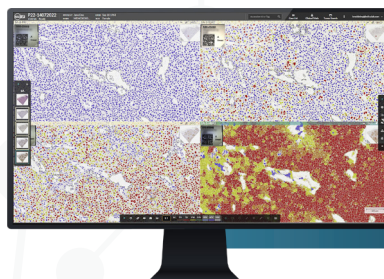
4

2

HALO AP® assembles case using barcode and LIS | LIMS data



HALO AP® Server

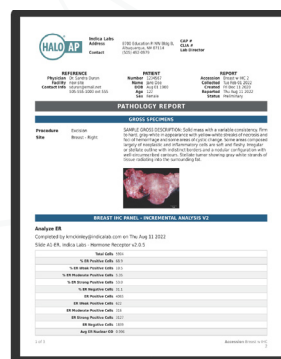
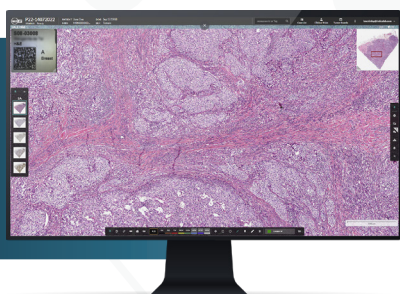


Perform qualitative or quantitative image analysis

5

3

View case images in HALO AP®



Push results to Report or LIS | LIMS

6

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INTEGRATED DIGITAL PATHOLOGY



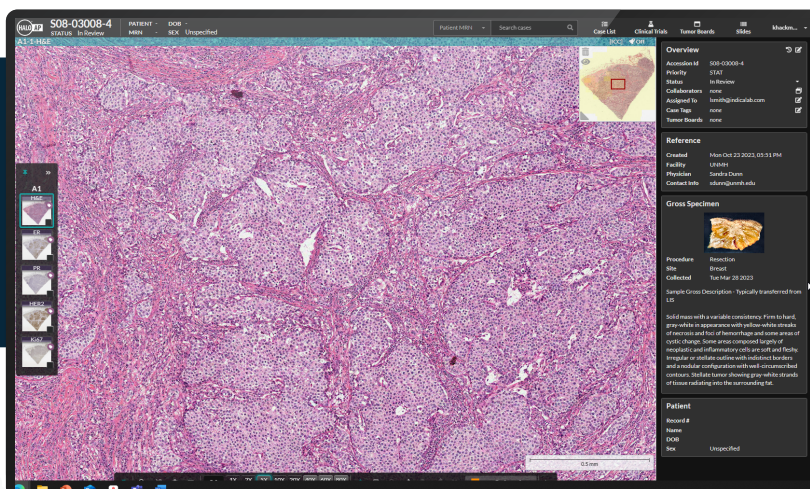
Platform Compatibility & Integration

HALO AP® works with your laboratory information system instead of replacing it. Access the right data at the right time by integrating with LIS | LIMS systems, eliminating the need to move between platforms. Open, API-first technology supports bi-directional connectivity to any application.

Customized and Secure Deployments

HALO AP® can be deployed on-premise or in the cloud to work within your IT framework. You can count on AWS Certified Solution Architects, Technical Solutions team, and our knowledgeable applications support.

STANDARDIZED REPORTING



Cases

Assigned to Me 11 Prostate AI 4 ERGO 23 lab QC 55 Demo 55 LAEB Clinical Trial

Search cases

Resident

Default

Accession #	# Slides	Status	Assigned To	Case Tags	Priority	Created Date	Modified Date
XY-23-463291	2/2	Ready	kmckinley@indicalab.com	AI Positive	Routine	Tue Apr 11 2023 06:13 PM	Fri Dec 08 2023
XY-23-000132	2/2	Ready	jredemann@salud.unm.edu	Unassigned Case	Routine	Mon Jan 23 2023 10:14 AM	Fri Aug 18 2023
XY-22-699866	1/1	Ready	jredemann@salud.unm.edu	Testing	Routine	Mon Jan 23 2023 10:10 AM	Mon Jan 23 2023
XY-22-463291	2/2	Incomplete	unassigned	none	Routine	Tue Apr 11 2023 06:15 PM	Tue Dec 12 2023
XY-22-369827	2/2	Ready	unassigned	none	Routine	Tue Apr 11 2023 07:02 PM	Tue Dec 12 2023
XX0787827	5/5	Ready	indicalabtesting@gmail.com	None	Routine	Thu Jul 13 2023 04:08 PM	Tue Dec 12 2023
XX0698477	5/5	Incomplete	indicalabtesting@gmail.com	None	Routine	Fri Jul 14 2023 10:37 AM	Tue Dec 12 2023
XX0516309	5/5	Incomplete	mldodge@indicalab.com	None	Routine	Mon Aug 14 2023 05:53 AM	Tue Aug 15 2023
XX0337779	5/5	Ready	newatt@indicalab.com	None	Routine	Thu Jul 13 2023 04:08 PM	Mon Jul 24 2023
XX001972	4/4	Incomplete	unassigned	None	Routine	Thu Jul 13 2023 06:18 AM	Wed Aug 30 2023
XX0001972	5/5	Work in Progress	newatt@indicalab.com	None	Routine	Thu Jul 13 2023 04:08 PM	Mon Oct 09 2023
XX000428	5/5	Incomplete	newatt@indicalab.com	None	Routine	Thu Jul 13 2023 04:08 PM	Fri Jul 14 2023
VSI	3/3	Incomplete	unassigned	Unassigned Case	Routine	Fri Mar 03 2023 02:32 PM	Thu Jun 22 2023
UB_72	1/1	Incomplete	unassigned	None	Routine	Fri Aug 11 2023 04:41 PM	Fri Aug 11 2023
UB_356	2/2	Incomplete	unassigned	None	Routine	Fri Aug 11 2023 04:58 PM	Fri Aug 11 2023
UB_203	1/1	Incomplete	unassigned	None	Routine	Fri Aug 11 2023 04:43 PM	Fri Aug 11 2023
UB_126	3/3	Ready	unassigned	None	Routine	Fri Aug 11 2023 03:00 PM	Fri Aug 25 2023
Tutorial 123	0/0	Incomplete	unassigned	None	Routine	Tue Dec 12 2022 01:50 PM	Tue Dec 12 2023
TRI-IN-072	5/5	Incomplete	mldodge@indicalab.com	None	Routine	Thu Aug 10 2023 06:15 AM	Thu Aug 10 2023
TRI-IN-068	5/5	Incomplete	mldodge@indicalab.com	None	Routine	Thu Aug 10 2023 06:15 AM	Thu Aug 10 2023
TissueDetectionCase	1/1	Awaiting Slides	unassigned	None	Routine	Thu Mar 10 2022 04:16 PM	Tue Nov 29 2023
Testing	1/1	QC	dclarks@indicalab.com	None	Routine	Fri Oct 07 2022 01:03 PM	Mon Jul 24 2023

CASE-CENTRIC WORKFLOWS



INTUITIVE WORKSPACE

A PLATFORM OPTIMIZED FOR AP



Streamlined Pathology

HALO AP® organizes images and metadata, offering flexible options for worklist management. Its intuitive case viewer integrates digital slides, quantitative data, synoptic reports, gross details, and past reports in one location.

Integrated Reporting

Whether you're following standardized guidelines or designing your own proprietary reporting templates, HALO AP® lets you develop customized synoptic reports, and display these alongside case images.



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NETWORK AND COLLABORATE



Tumor Boards

Modernize tumor board and MDT preparation by efficiently structuring case reviews, annotations, and case notes within HALO AP®, where you can instantly navigate to histological regions of interest and notes with a single click.

Collaboration

With all your slide images and case information in a single application that you can access from anywhere, you'll have the flexibility you need to discuss cases with internal and external collaborators.

Request levels and additional studies with the click of a mouse, saving on time and eliminating logistical expenses.

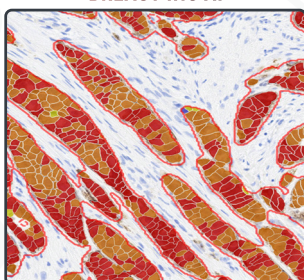
FUTURE-PROOF YOUR LAB WITH AI

AI and Image Analysis

Indica Labs AI and Image Analysis solutions provide labs with automated tools for the identification and grading of cancer, IHC quantification, and more – all integrated seamlessly into HALO AP®.

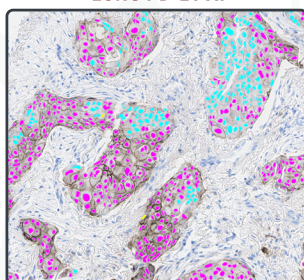
- + Perform and review quantitative analysis anytime, anywhere, and view results in the browser-based interface
- + Leverage AI-based analysis in your reports
- + Standardize your IHC expression evaluation for accurate comparative studies with Lung PD-L1 AI and Breast IHC AI
- + Complement your expertise by using AI as a quality check or to identify slides for expedited review

BREAST IHC AI



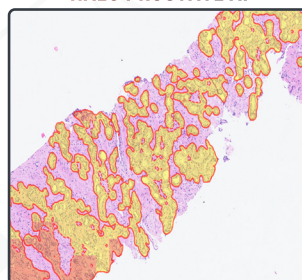
AI-based scoring of HER2, ER, PR, and Ki67 IHC

LUNG PD-L1 AI



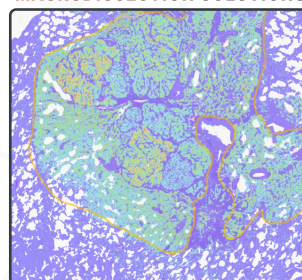
AI-powered scoring of PD-L1 IHC in NSCLC

HALO PROSTATE AI



Identification and grading of prostate cancer

MACRODISSECTION SOLUTIONS



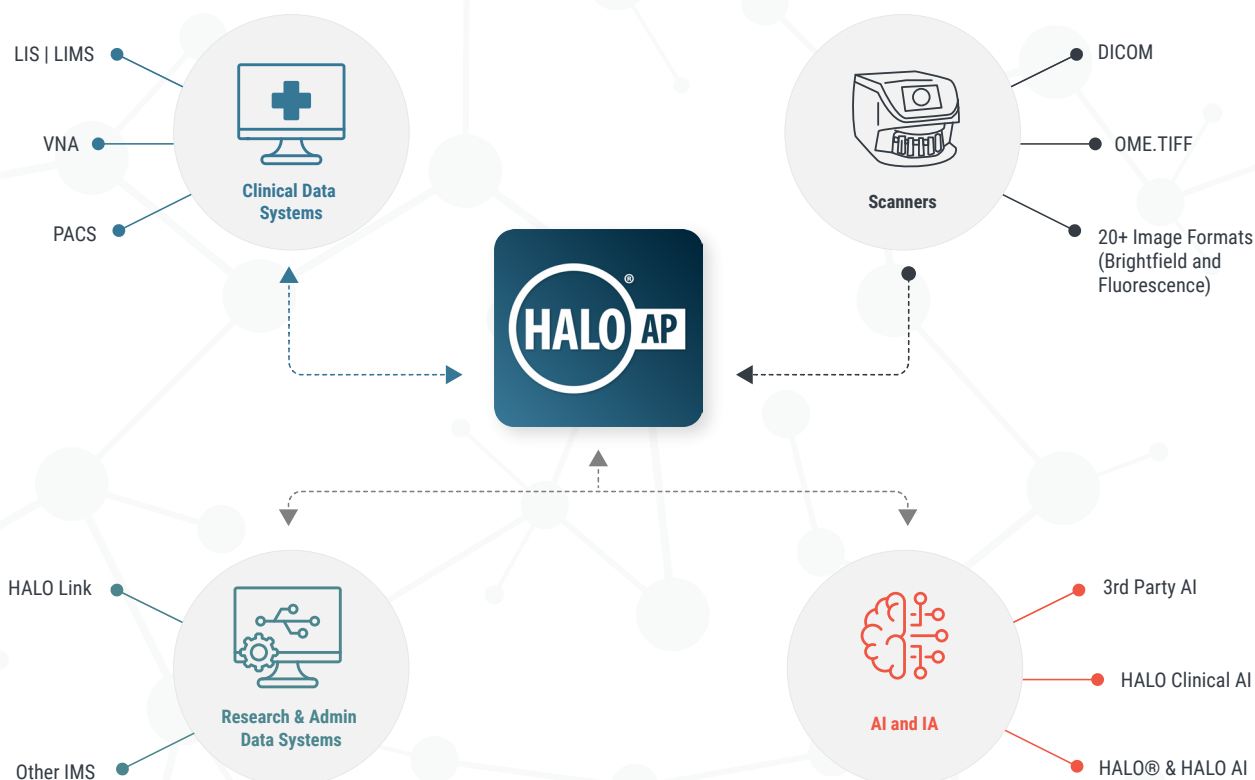
Analyzes and quantifies tumor content for downstream macrodissection

A PATHOLOGY LAB THAT JUST WORKS



An Ecosystem for Pathology

HALO AP® offers a comprehensive, future-ready ecosystem with the tools pathologists need. Experience the future of pathology – streamlined workflows, reduced Tumor Board preparation, and the ability to integrate AI and image analysis.



HALO AP® is compatible with a wide range of brightfield and fluorescent image file formats, including DICOM and OME.TIFF. It supports slide deidentification for research and algorithm development workflows, ensuring data privacy and security. Bidirectional connectivity via API enables seamless integration with existing laboratory systems.

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DIGITAL PATHOLOGY

Focus on Experience

Adopting digital pathology is complex, but it doesn't have to be complicated. Leica Biosystems is proud to partner with Indica Labs to deliver comprehensive digital pathology solutions by combining expertise in scanners, image management, and image analysis software. Leica Biosystems can clarify your organization's path to digitally driven discoveries through our world-leading, modular technology that is deployed in thousands of digital pathology implementations worldwide.

HALO AP® is For Research Use Only in the USA and is not FDA cleared for clinical diagnostic use. In addition, HALO AP® provides built-in compliance with FDA 21 CFR Part 11, HIPAA, and GDPR.

HALO AI Prostate is For Research Use Only in the USA and is not FDA cleared for clinical diagnostic use. HALO AI Prostate is accessed via the HALO AP® enterprise digital pathology platform.

Lung PD-L1 AI is For Research Use Only and not intended for clinical diagnostic use. Lung PD-L1 AI is accessed via the HALO AP® enterprise digital pathology platform.

Breast IHC AI is For Research Use Only and not intended for clinical diagnostic use. Breast IHC AI is accessed via the HALO AP® enterprise digital pathology platform.

Lung Macrodissect AI is accessed via the HALO AP® enterprise digital pathology platform. Lung Macrodissect AI is For Research Use Only in the USA and is not FDA cleared for clinical diagnostic use.

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Leica Biosystems is a global leader in workflow solutions and automation. As the only company to own the workflow from biopsy to diagnosis, we are uniquely positioned to break down the barriers between each of these steps. Our mission of "Advancing Cancer Diagnostics, Improving Lives" is at the heart of our corporate culture. Our easy-to-use and consistently reliable offerings help improve workflow efficiency and diagnostic confidence. The company is represented in over 100 countries. It has manufacturing facilities in 9 countries, sales and service organizations in 19 countries, and an international network of dealers. The company is headquartered in Nussloch, Germany. Visit LeicaBiosystems.com for more information.