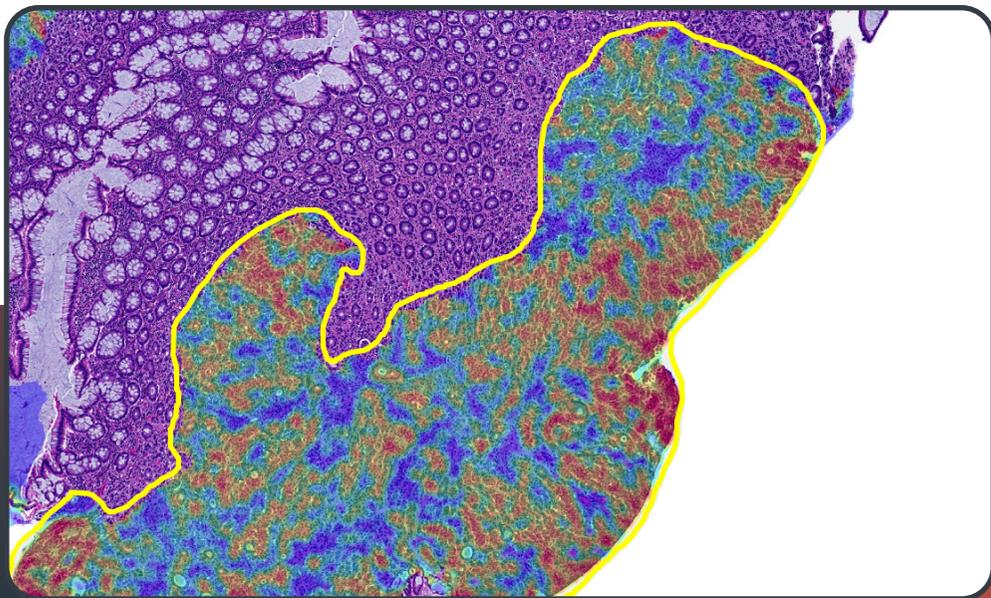


HALO MACRODISSECTION SOLUTIONS

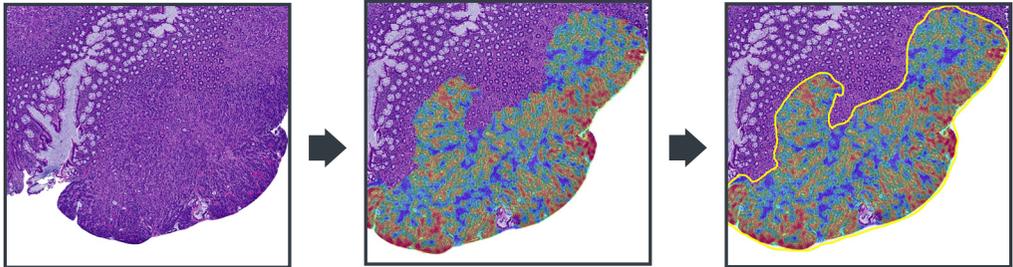


HALO Macrodissection Solutions harness the power of AI to quantify and visualize tumor content to improve the reliability of downstream molecular testing in lung, colorectal, breast, and prostate cancers.

powered by **indica** labs

MACRODISSECTION REINVENTED

HALO Macrodissection Solutions is a suite of AI-powered tools that quantifies tumor content and guides ROI selection to enhance macrodissection workflows and downstream molecular analysis in lung, colorectal, breast, and prostate cancers.



H&E of Colorectal Tumor

Tumor Content Heatmap

Heatmap with Annotation

File Format Compatibility

- + Non-proprietary (JPG, TIF, OME, TIFF, DICOM [DCM*])
- + Leica (SVS, AFI, SCN, LIF)
- + Hamamatsu (NDPI, NDPIS)
- + Philips (iSyntax, i2Syntax)
- + 3DHistech (MRXS)
- + Nikon (ND2)
- + Akoya (QTIFF, component TIFF)
- + Olympus / Evident (VSI)
- + Zeiss (CZI)
- + Ventana (BIF)
- + KFBIO (KFB, KBBF)

*whole slide images

Inputs

- + H&E whole slide images from primary and metastatic, lung, colorectal, breast, or prostate cancer resections, excisions, and/or core needle biopsies

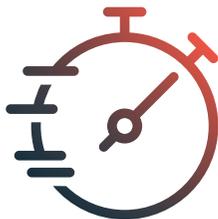
Key Output Metrics

- + Tumor density heatmap
- + Total cell count
- + Tumor cell count
- + Percent tumor content for whole slide image and ROIs



CONFIDENCE IN RESULTS

HALO Macrodissection Solutions accurately quantify tumor content and standardize downstream molecular analysis to ensure reproducibility in results.



STREAMLINE WORKFLOWS AND SAVE RESOURCES

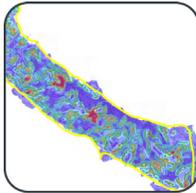
With automated tumor content analysis, you can streamline your ROI selection process and save time.



AUDITABLE PROCESS

An auditable macrodissection workflow ensures transparency and confidence in macrodissection.

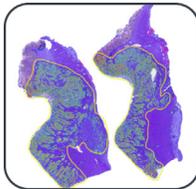
VALIDATION HIGHLIGHTS



Lung Macrodissect AI

Analytical validation demonstrated reliable and consistent tumor cell identification with tumor cell precision of 0.94 and an F1 score of 0.94.

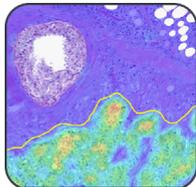
Inter-pathologist agreement on Lung tumor content improved significantly when using Lung Macrodissect AI compared with manual assessment alone.



CRC Macrodissect AI

Analytical validation demonstrated reliable and consistent tumor cell identification with tumor cell precision of 0.96 and an F1 score of 0.97.

Inter-pathologist agreement on CRC tumor content improved significantly when using CRC Macrodissect AI compared with manual assessment alone.



Breast Macrodissect AI

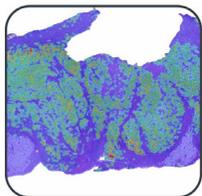
Analytical validation demonstrated reliable and consistent tumor cell identification with tumor cell precision of 0.93 and an F1 score of 0.92.



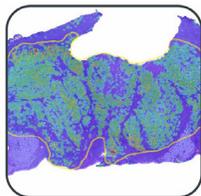
Prostate Macrodissect AI

Validation Data Coming Soon

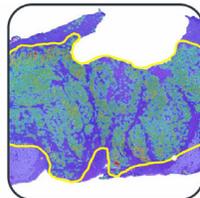
A FULLY-AUTOMATED MACRODISSECTION WORKFLOW



Tumor content quantified



Pathologist annotates regions of tumor



Annotations are modified for macrodissection platform



Automated tissue macrodissection

HALO Macrodissection Solutions can be coupled with the Tissector automated macrodissection platform from our partner Xyall, for all-in-one solution that is auditable, precise, and more efficient.

HALO Macrodissection Solutions

Bridging the Gap with an AI-Powered Workflow



By providing accurate and reliable tumor content quantification, HALO Macrodissection Solutions gives labs the ability to create a high-throughput, intuitive workflow that saves valuable lab personnel time and bridges the gap between anatomic and molecular pathology.



Ready to learn more?

Contact us to schedule a demo for the HALO Macrodissection Solutions and HALO AP®.

HALO Macrodissection Solutions are for Research Use Only and not intended for clinical diagnostic use. HALO Macrodissection Solutions are accessed via the HALO AP® enterprise digital pathology platform.

HALO AP® is CE-IVDR marked for in-vitro diagnostic use in Europe, the UK, and Switzerland. 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. TCH-MAR-000010v1

indica labs

info@indicalab.com | emea@indicalab.com | japan@indicalab.com | china@indicalab.com

USA +1 505 492-0979 | UK/EU +44 0 333 090 1113 | 日本 +81 (0)3 4400 0466 | 中国 +86 13761896143