AIRA MATRIX

Artificial Intelligence Transformed Analyses

AIRATox

Triage & Abnormality Quantification for Non-Clinical Toxicology Studies

About Us

We deliver cutting-edge artificial intelligence solutions for healthcare and life sciences applications. Our innovative products and services drive efficiency, enhance diagnostic accuracy, and provide data-driven insights from digitally scanned images.

Drug Discovery & Preclinical Research
Our comprehensive AI-driven suite for drug discovery and development, streamlines pre-analytical quality control, facilitates tissue triage, and optimizes safety and efficacy assessments, accelerating breakthrough discoveries.

Healthcare Solutions
Our healthcare portfolio offers diagnostic, prognostic, and predictive tools that facilitate risk stratification and enable personalized therapy planning, thus improving treatment outcomes.
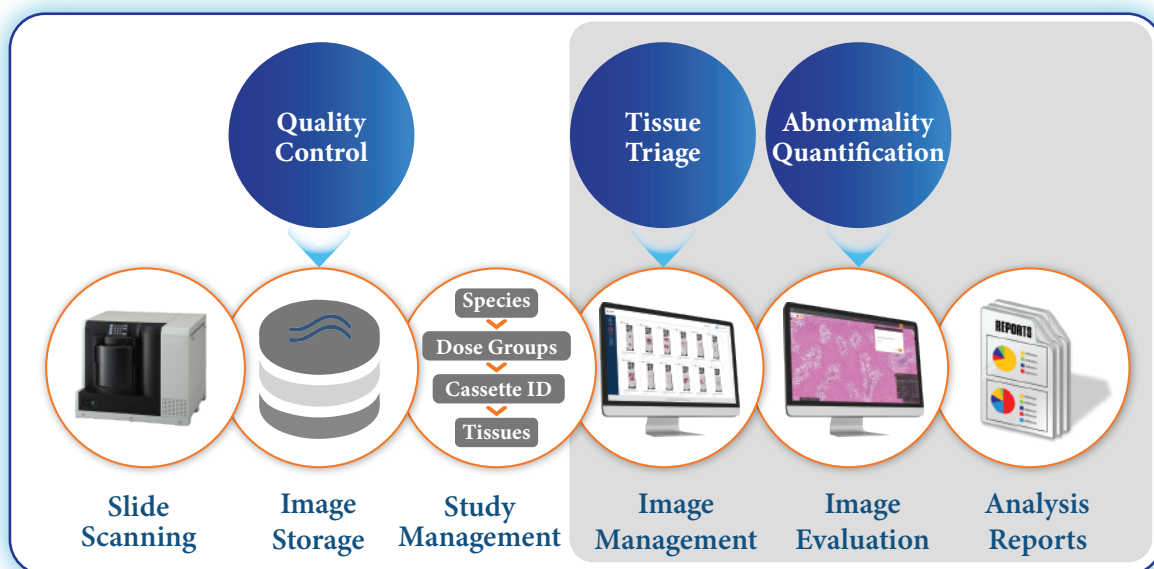
Write to solutions@airamatrix.com for more

AIRATox

Triage & Abnormality Quantification for Non-Clinical Toxicology Studies

Streamline Workflows | Automate Triage | Accelerate Reporting

AIRATox is an all in one suite for non-clinical toxicology study reporting with modules for artifact detection, tissue triage, and abnormality quantification
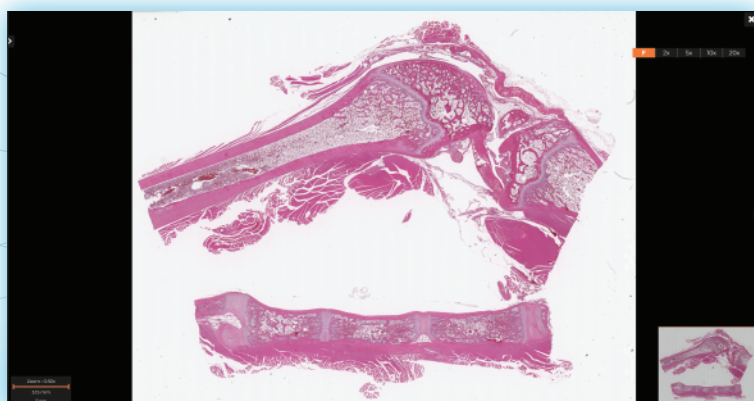

Quality Control

- ✔ Module for identification and quantification of artifacts in whole slide images

- ✔ Use predefined thresholds to flag images for rescanning and reprocessing

Tissue Triage

- ✔ Historical control based anomaly detection module for triaging "not normal" images in a study

- ✔ Generate anomaly scores and image level heatmaps for assessment of anomaly distribution in different dosage groups

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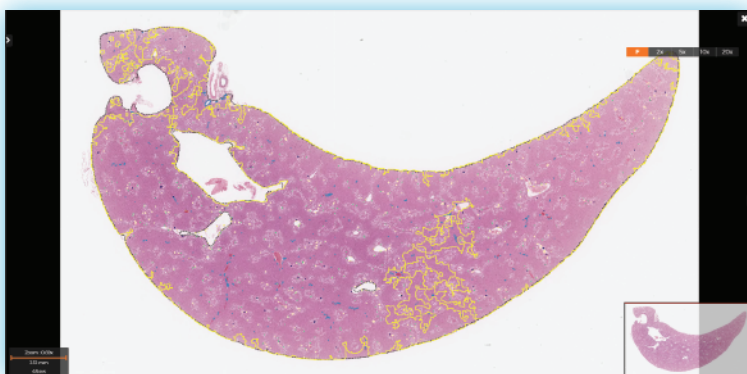
Abnormality Quantification

✓ Pretrained solutions for detection and quantification of histopathological abnormalities in images flagged as "not normal"

✓ Obtain image annotations and quantification results for detected abnormalities

Benefits

✓ Quality control to ensure optimum data quality

✓ Screening and triage for focus on "not normal' images

✓ Quantification of abnormal findings for improved accuracy

✓ Integrated screening and quantification workflows for faster turnaround

Features

✓ Integration with third-party image and workflow management systems

✓ Compatible with multiple image formats and scanners

✓ Flexible deployment - Cloud or On-Premise

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