

TRANSFORMING DIAGNOSTICS THROUGH AI
THE FUTURE IS HERE!



AI 100

A COMPLETE AUTOMATED SOLUTION FOR PERIPHERAL
BLOOD SMEAR AND URINE MICROSCOPY

AI 100: ONE DEVICE, MULTIPLE TESTS!

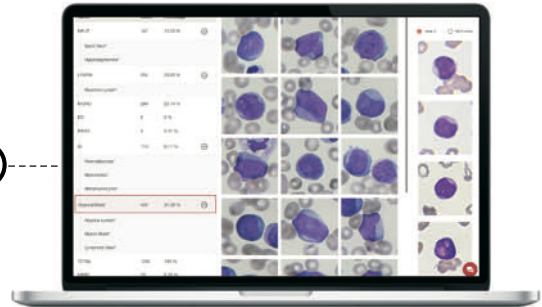


PERIPHERAL BLOOD SMEAR MICROSCOPY:

AI based automated blood morphology analysis -
WBC (7-Part DC with Blasts and IG's), RBC & Platelets

GLASS SLIDE FOR BLOOD MICROSCOPY:

Manual or automated smearing & staining

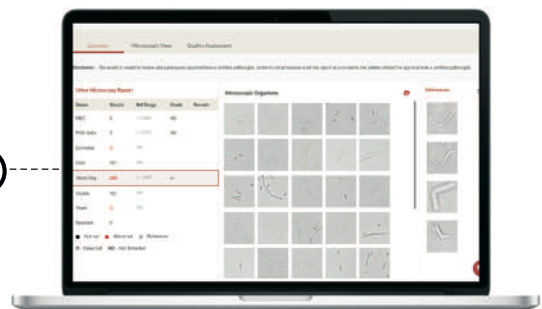
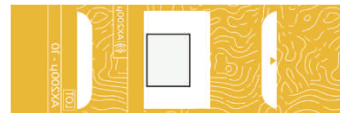


URINE MICROSCOPY:

AI based automated urine morphology analysis -
RBC, Pus Cells, Bacteria, Epithelial Cells, Yeast, Cast
and Crystals

Ax200 μ - MICROFLUIDIC CARTRIDGE FOR URINE MICROSCOPY

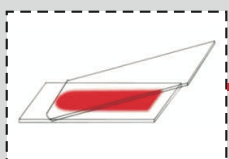
- Zero error sample preparation
- Standard 3in x 1in dimension



SMART DIGITAL MICROSCOPY

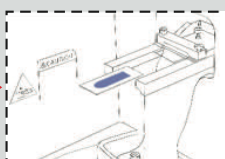
- AI driven scanning at 400X
- AI driven self maintenance
- 20+ slides/hour throughput

SHONIT WORKFLOW



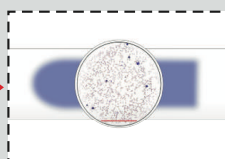
Prepare:

Prepare the slide.
The system is
stain and
smear agnostic



Insert:

Insert the
slide in Ai100



Scan:

Scan the slide on AI100;
choose number of WBCs
to count or number of
images to capture



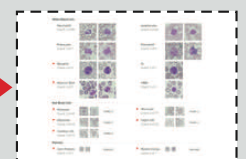
View:

Review the
pre-classified WBC,
RBC and platelets report
on any web-connected
device from anywhere



Verify:

Check and confirm
the results from the
AI with the help of the
visual evidence

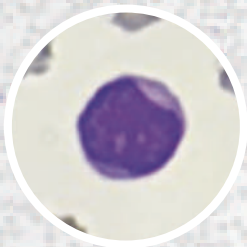


Report:

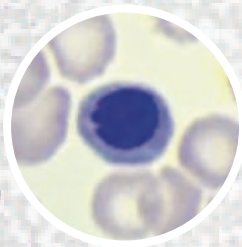
Publish peripheral
smear report
with images

CLINICALLY VALIDATED TO AID IN CELL DETECTION OF

BLOOD



WBCs (7-Part)



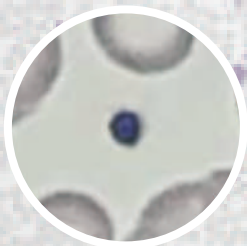
nRBCs



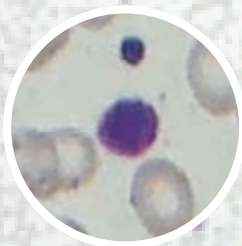
Anisocytosis



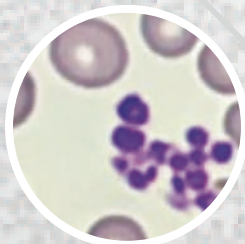
Poikilocytosis



Platelets



Giant Platelets

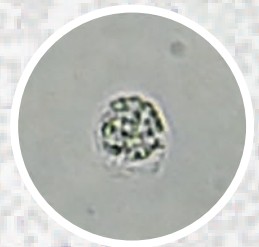


Platelet Clumps

URINE



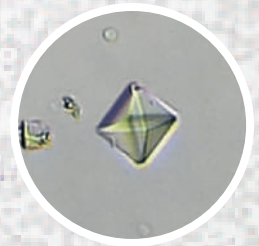
RBCs



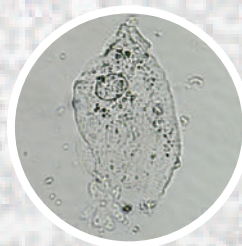
Pus Cells



Casts



Crystals



Epithelial Cells



Microscopic Organisms



Yeast

OUR GOAL IS
TO MAKE DIGITAL
PATHOLOGY
UBIQUITOUS



PATHOLOGISTS

- Enable Tele-Pathology
- Do more, Faster
- Differentiate Your Reports



INSTITUTIONS

- Improve Productivity
- Save on Cost
- Reduces Turnaround Time



PATIENTS

- Reduced Underdiagnosis
- Improved Accuracy
- Faster Recovery Times

PERFORMANCE SPECIFICATIONS

AI100 with Shonit: Performance metrics are:

PATCH LEVEL ANALYSIS (n=>2000 cells)	NEUTROPHILS	LYMPHOCYTES	MONOCYTES	EOSINOPHILS	BASOPHILS
SENSITIVITY%	99.74	90.41	95.56	91.26	100
SPECIFICITY%	98.39	99.96	99.90	99.83	99.87

AI100 with Shrava: Performance metrics are:

FORMED ELEMENTS IN URINE	RBC	WBC	BACTERIA	EPITHELIAL CELL	CRYSTAL	YEAST
SENSITIVITY%	82.00	60.00	87.00	82.00	65.00	0.84
SPECIFICITY%	96.00	97.00	78.00	81.00	99.00	0.87

ALWAYS BY
YOUR SIDE



Continuous
Innovation



Trainings on
Pre-Analytics



Unlimited
Storage



Proactive Service
& Support

EQUIPMENT SPECIFICATIONS

POWER: Max Power 96W, 100-249V AC, 50/60Hz

SIZE: (W*D*H) 485mm x 572mm x 485mm

WEIGHT: 40Kg

CONNECTIVITY: WiFi (802.11 a/g/n),
Ethernet (802.3), USB 2.0

DISPLAY SPECIFICATIONS: 7 inch Capacitive touch LCD

REGULATORY APPROVAL

CE certified (IVDR)

FDA 510(k) Submitted

OUR CUSTOMERS LOVE US

“

High accuracy for WBC DC including Eosinophil and IG classification. Utilization of tele-reporting for peripheral smear interpretation and platelet clump analysis. Good use of remote access for reporting post working hours and weekends

Dr. Prathima K M

Lab Director of a Unit of
Manipal Hospitals

**India's second largest healthcare
network with 7,500+ beds**

"The device fits into our workflow beautifully. It gave pre-classified peripheral blood smear reports with comprehensive visual evidence. The device has never had any downtime. The ease of use of the platform is simply amazing.

Dr. Sandeep Rao

Sr. Consultant & Head
Hematopathology
- HCG Cancer Hospitals

**India's largest Onco-chain -
24 locations, 1300+ beds**

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