

ARKRAY Urinalysis system



Automated Urine Sediment Analyzer

AUTION EYE

AI-4510

Fully Automated Urine Analyzer

AUTION MAX

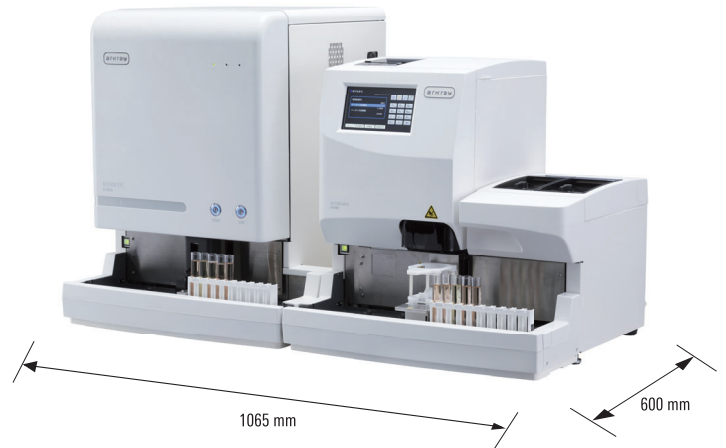
AX-4060

Complete Urine Chemistry and Sediment Analysis system
providing a streamlined fully-automated workflow solution
for clinical urine testing

ARKRAY Urinalysis system

Smart transfer system allows for a compact footprint.

The AUTION EYE can be operated stand alone or connected to the AUTION MAX series - resulting in a very small footprint (1065 x 600mm).



Connection of the AUTION MAX and AUTION EYE enables efficient urine sediment analysis via utilization of the qualitative urine chemistry test results.

Gating Function for Improved Workflow and Efficiency

Use of the gating function allows defined criteria to determine if urine samples should be run on both devices. User defined rules can also dictate if urine formed element analysis should not be performed, based on the qualitative test result - even if this has previously been ordered.



Cross-check:
Perform only a microscopic confirmation test when necessary.

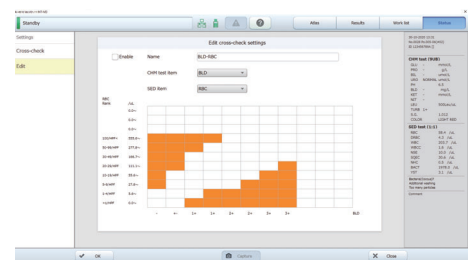
Gating function:
Judge if urine formed element analysis is needed (run or pass).

Send the data of urine qualitative tests.

Cross-Check Function for Result Confirmation

Checks the reliability of measurement results by checking for deviations in measurement results between chemical tests and tangible component analysis items.

Improves reliability of results by comparing chemistry test results with sediment analysis.



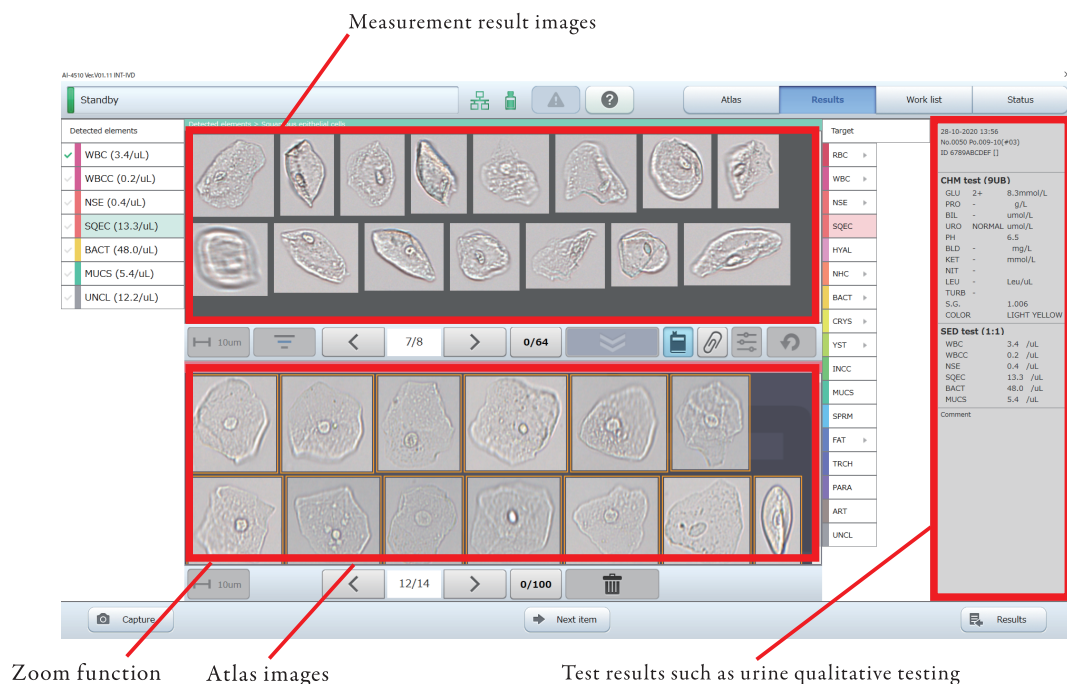
Automatic Dilution Function in AUTION EYE for improved Workflow

Autodilution of highly concentrated results is possible - reduces manual intervention.



We guide you: Compare and confirm your findings with classified particles from our “Atlas image collection” library.

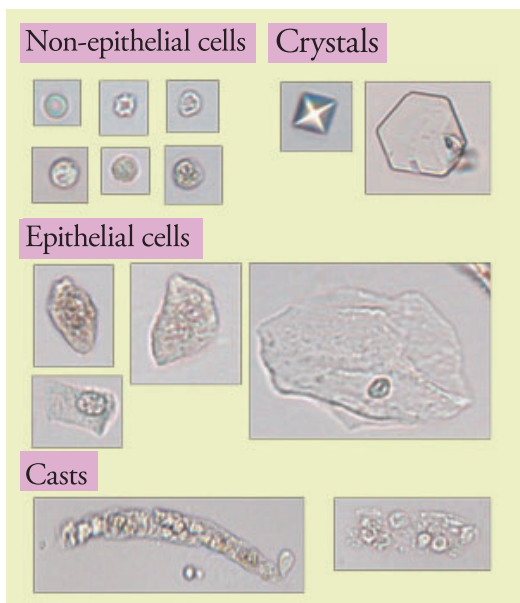
The new 'Atlas Image Collection' is included in the AUTION EYE software. Examples of all 12 categories can be displayed and compared to actual patient reports. Additionally, new, interesting images can be added to the collection allowing it to be used as a valuable training tool.



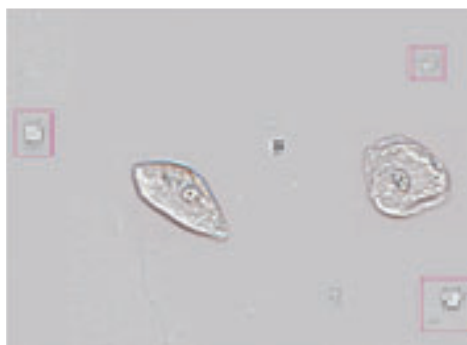
Easier Identification of Particle Images

Color images allow for improved visual checking of differences in urinary formed elements - assists in particle identification. Also, the whole image view can show multiple particles within a single screen, allowing rapid assessment of particle frequency and size comparisons to be made.

Example of particle images



Whole image view



AUTION EYE AI-4510 is an analyzer that performs urine formed element analysis.

specifications AUTION EYE AI-4510

Measurement principle	Flow cell digital imaging	Measurement Time	45 seconds / test
Sample Type	Urine	Required sample volume	Minimum 2mL (Consumption: 1 mL)
Reagents	Sheath solution, washing solution (for maintenance), control and calibrator	Memory capacity	Measurement results (Normal): 10,000 tests* Measurement results (QC): 1,000 tests
Measurement items	12 automated classification items: Red blood cells (RBC), White blood cells (WBC), White blood cell clumps (WBCC), Squamous epithelial cells (SQEC), Non-squamous epithelial cells (NSE), Hyaline casts (HYAL), Unclassified casts (NHC), Bacteria (BACT), Crystals (CRYS), Yeast (YST), Mucous (MUCS) and Sperm (SPRM)	Communication	Ethernet, RS-232C
		Display value	[/μL], [/HPF], [/LPF], [/WF] • Values can be converted to the number of elements per field. • Rank expression is possible.
		Dimension	530 (W) x 600 (D) x 650 (H) mm (including the sampler)
		Weight	Main body : Approximately 53Kg Sampler : Approximately 4Kg

*There is a limit to the number of saved images.



specifications AUTION MAX AX-4060

Measurement principle	Test strip : Dual wavelength reflectance method (One-wavelength for Bld) Specific gravity : Reflection refractometry Color hue : Light-transmission measurement Turbidity : Light-scattering measurement method	Memory capacity	Normal,STAT,small volume measurement: 2500tests
Sample Type	Urine	Communication	RS-232C compliant
Reagents	Aution Stocks 10V	Sample loading capacity	One-way transportation(default) : Maximam 50 samples Loop transportation : Maximam 100 samples
Measurement items	Glu,Pro,Bil,Uro,Ket,pH,Nit,Bld,Leu,S.G., Turbidity and color tone	Dimension	530(W)x530(D)x550(H)mm Including sampler
Measurement Time	225 tests / hour	Weight	Main body : Approximately 40Kg Sampler : Approximately 4Kg
Required sample volume	Normal,STAT measurement : Minimum 2 mL Small volume measurement : Minimum 1mL		



Related products



AUTION Sticks 10V

History of excellence ARKRAY's know-how and expertise has resulted in the development of AUTION Sticks, the most advanced urine test strips.

Test strip	Measurement items									
	GLU	PRO	BIL	URO	pH	SG	BLD	KET	NIT	LEU
10V	●	●	●	●	●	●	●	●	●	●



Semi-automatic Urine Analyzer

AUTION|Daten AE-4070

Compact design:
206 (W) x 365(D) x 180(H) mm/5.0 kg
High throughput:
514 tests/hour (7 seconds/test)
Auto-start function:
Measurement starts automatically when a test strip is set onto the tray.
A touchscreen allows for easy and intuitive operation The successor of Aution Eleven.
This can be backup for AX-4060.

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