

Semi-automatic urine analyzer

Aution|Daten

AE-4070



Hassle-free urinalysis!

Multilingual touch panel (supports 8 languages)

Continuous measurement with auto-start

Easy maintenance

Scan QR Code to
view the video



Semi-automatic urine analyzer

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AE-4070

Achieved a processing speed that's at the highest level among the AUTION series, even with its compact body!



Reduces the burden on medical staff by automating examinations

A visual check requires tasks such as time management and result judgment, which increases the burden on the medical staff.

Automation via the device improves work efficiency as the device automatically judges the measurement results.



Automatic disposal of reagents after measurement



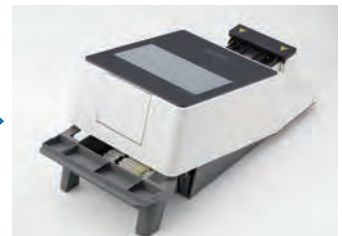
Dipping the test strip in urine



Auto-start by just setting it onto the tray



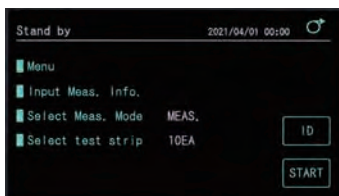
Printed out in approximately 60 seconds



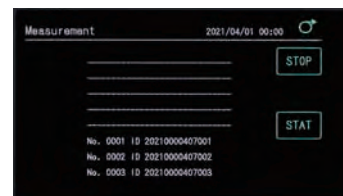
Automatically disposes it into the disposal tray after measurement

Multilingual support

Supports 8 languages: English, French, German, Italian, Greek, Spanish, Portuguese and Dutch.



Standby screen



The test strip position information in the device is displayed during the measurement.

Designed for usability

Auto-start from either the left or right side



Easy maintenance

For regular maintenance, simply remove the tray from the main unit and wash it with water.

Also, to replace the thermal recording paper on which the results are printed, simply sandwich the roll paper between the covers.



Continuous measurement at 7-second intervals

Continuous measurement is possible at 7-second intervals. Examinations won't be delayed even during the busy season.

Automatic aspiration of surplus urine

The device automatically aspirates the surplus urine on the test strip and adjusts it to the appropriate sample volume.

Turbidity input possible

Since it is possible to input the turbidity, it is also useful as a backup for a large urine qualitative analyzer.

The ALB/CRE ratio and PRO/CRE ratio can be measured via creatinine correction.

It is possible to easily perform qualitative screening tests for early kidney disease and diabetes mellitus, which are considered to have no subjective symptoms.

Albumin/Creatinine ratio

Unit: mg/g, Cr [Albumin (mg/L)/Creatinine (mg/dL) x 100]

Albumin (mg/L)	Creatinine (mg/dL)				
	10	50	100	200	300
10	Dilute				Normal
30			+1		
80	+2				
150					

Protein/Creatinine ratio

Unit: mg/g, Cr [Protein (mg/dL)/Creatinine (mg/dL) x 1000]

Protein (mg/dL)	Creatinine (mg/dL)				
	10	50	100	200	300
NEG.	Dilute				Normal
15			+1		
30					
100		+2			
300					
1000					

The qualitative values can be determined more precisely with semi-quantitative ranks!

Multiple semi-quantitative ranks are set within a single qualitative rank, which makes it possible to judge the patients' conditions more precisely.

● GLU (Glucose)

Rank number	1	2	3	4	5	6	7	8	9	10	11
Qualitative value	—	±		1+		2+		3+		4+	
Semi-quantitative value (mg/dL)		30	50	70	100	150	200	300	500	1000	over

● PRO (Protein)

Rank number	1	2	3	4	5	6	7	8	9	10	11
Qualitative value	—	±		1+		2+		3+		4+	
Semi-quantitative value (mg/dL)		10	20	30	50	70	100	200	300	600	over

● BIL (Bilirubin)

Rank number	1	2	3	4	5	6	7	8	9	10
Qualitative value	—	1+		2+		3+		4+		
Semi-quantitative value (mg/dL)		0.5	1	2	3	4	6	8	10	over

Specifications			
Measurement objects	Urine	Memory capacity	520 samples
Test strips	AUTION Sticks, Uriflet S, AUTION SCREEN	External output	Conforms to RS-232C standard (serial) Options: Ethernet board
Measurement items	GLU, PRO, BIL, URO, KET, pH, NIT, BLD, LEU, specific gravity, color tone, ALB, CRE, A/C, P/C	Measurement environment (Temperature correction)	Temperature: 10 to 30° C, Humidity: 30 to 60% R.H. (non-condensing)
Measurement principle	Test strip method Dual-wavelength reflection photometric method (single wavelength for BLD)	Dimensions	206 (width) × 365 (depth) × 180 (height) mm
Measurement wavelength	4-wavelength LED (430, 565, 635, and 760 nm)	Weight	Approx. 5.0 kg
Processing speed	514 samples per hour (maximum processing mode: 7-second interval)	Power requirements	AC adapter: 100 to 240 V AC ± 10%, 50/60 Hz Instrument main unit: 12 V DC
Display	7-inch color LC display with touch panel	Power input	AC adapter: 60 VA Instrument main unit: 12 V DC/4.2 A
Printer	For use with 58-mm width thermal printer paper		

Uriflet S 11UA



Uriflet S 11UA is the urinalysis reagent for machine reading which can measure 11 items. The urine albumin/creatinine ratio and protein/creatinine ratio can also be calculated.

- Measurement items -
Glu, Pro, Bld, pH, Bil, Uro, Ket, Nit, Leu, Cre, Alb

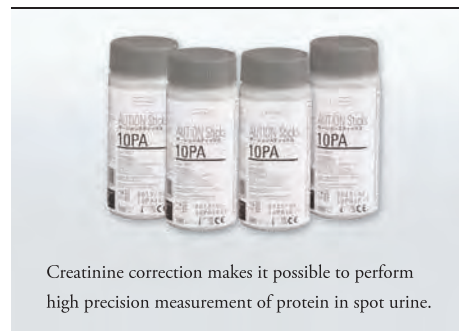
*P/C and A/C ratio will be calculated.



Reagent for testing albumin and creatinine in urine
AUTION SCREEN Microalbumin/Creatinine



Urine test strips for visual check/device
AUTION Sticks 10PA



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*Designs and specifications may be changed without prior notice.

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