

tech guide

Urinalysis

1. What is the brand name of your company's urinalysis system?
2. What is the latest version of your named urinalysis system; what year was this version first released to market (US, OUS)?
3. Specify the authorizing agency, type, and year of the product's regulatory authorizations (eg, TUV CE mark, 2013; FDA 510(k), 2015).
4. What are the dimensions of the named product (H x W x D)?
5. What is the intended use or primary function of the product (eg, diagnosis, patient monitoring, point-of-care applications, therapeutic drug monitoring, viral load monitoring)?
6. What types of specimen/sample does the product employ (eg, random specimen, first morning specimen, midstream collection, urine sediment)?
7. What types of diseases, conditions, or analytes does the system detect?
8. Where is the product used (check all that apply)?
9. Under ideal conditions, what is the time to first result?
10. What are the product's maximum specimen capacity and throughput under ideal conditions?
11. Briefly describe any automation or connectivity features or options (eg, autocalibration, autodetection of specimens, onboard real-time quality control, troubleshooting) that pertain to the product.
12. What is the typical training time for the product?
13. What types of technical support are available?
14. What capabilities, features, or accessories distinguish this product from others on the market?

Abbott

Chicago
www.abbott.com

Arkray USA

Minneapolis
(877) 538-8872
www.arkrayusa.com

Beckman Coulter

Brea, Calif
(800) 526-3821
www.beckmancoulter.com

Afinion ACR	Aution Eleven AE-4022 semiautomated urine analyzer	iQ3000 Workcell; iQ2000 Workcell
2007 (OUS); 2008 (US).	2017 (US).	2018 (US).
FDA 510(k), 2008; CE mark, 2007.	FDA 510(k), 2016.	iQ200 portion, FDA 510(k), 2003; AX-4030 portion, FDA 510(k), 2009.
7.2 inches x 7.5 inches x 13.0 inches.	6.5 inches x 8.3 inches x 12.9 inches.	22 inches x 48 inches x 26 inches.
Quantitative determination of albumin, creatinine, and albumin/creatinine ratio (ACR) in human urine.	Urine chemistry.	Urine chemistry and urine microscopy.
Spot urine sample.	Well-mixed, unspun urine.	Random.
Albuminuria; nephropathy, chronic kidney disease.	Bilirubin, blood, color, glucose, ketones, leukocytes, nitrites, pH, protein, specific gravity, and urobilinogen.	Kidney function and disease, urinary tract infections, urine chemistry analysis parameters, urine microscopic parameters, FDA cleared for eight body fluid analytes.
<input type="checkbox"/> At a community screening event <input type="checkbox"/> In a reference lab or other independent lab setting <input type="checkbox"/> In a hospital or inpatient setting <input checked="" type="checkbox"/> In a physician's office or outpatient setting <input type="checkbox"/> In a patient's home or other self-testing	<input type="checkbox"/> At a community screening event <input type="checkbox"/> In a reference lab or other independent lab setting <input checked="" type="checkbox"/> In a hospital or inpatient setting <input checked="" type="checkbox"/> In a physician's office or outpatient setting <input type="checkbox"/> In a patient's home or other self-testing	<input type="checkbox"/> At a community screening event <input checked="" type="checkbox"/> In a reference lab or other independent lab setting <input checked="" type="checkbox"/> In a hospital or inpatient setting <input type="checkbox"/> In a physician's office or outpatient setting <input type="checkbox"/> In a patient's home or other self-testing
5 minutes.	60 seconds.	Less than 2 minutes.
One at a time; approximately 10 samples per hour.	514 samples per hour.	Depending on the model, up to 101 samples per hour.
All-in-one hygienic test cartridge; automatic processing; comprehensive fail-safe systems prevent possibility of erroneous results; QC and operator lockout possibilities. Built-in connectivity using POCT1-A, HL7, and ASTM protocols.	Performs semiautomated urine chemistry analysis.	Edit-free release, Iware, command central, Remisol, continuous strip load capability.
Approximately 45 minutes.	N/A	2½-day classroom training.
Toll-free line for technical support; training provided; step-by-step quick reference guide; videos on the website.	Technical support is available 24/7/365.	24/7 phone support, onsite service, online education.
Compact size and panel of tests; suited for point-of-care testing in physician offices, clinics, community health centers, and hospital outpatient clinics. From small urine or fingerstick whole blood sample, highly accurate results for HbA1c and ACR are made available during the consultation.	Smallest semiautomated footprint on the market; test strips are easy to load, with no calibration required; quality control and operator ID lockout functionality.	Pairs the Iris Iricell series of urine microscopy instruments and the Arkray Aution Max AX-4030 fully automated urine chemistry analyzer. Digital flow morphology technology uses auto particle recognition software.



TOGETHER, WE TAKE ON THE PROBLEMS WORTH SOLVING.

BeAMedTech.



**SYSMEX IS THANKFUL FOR
THE WORK OF LABORATORY
PROFESSIONALS
EVERYWHERE AND PROUD
TO BE YOUR PARTNER IN
PROVIDING OPTIMUM CARE
FOR YOUR PATIENTS.**

Behind the scenes of healthcare, you make huge contributions to the diagnosis, therapy and wellbeing of every person behind a sample. We value your hard work, the long hours you put in and your dedication to advancing healthcare for everyone. During Lab Week — and everyday — we celebrate med techs.

Join us at [BeAMedTech.com](https://www.beamedtech.com) or follow us on Facebook, LinkedIn and Twitter [@Be_A_MedTech](https://twitter.com/Be_A_MedTech) to see what we're celebrating each day of Lab Week. [#BeAMedTech](https://twitter.com/Be_A_MedTech)

Kova International

Garden Grove, Calif
(855) 217-6399
www.kovaintl.com

Siemens Healthineers

Norwood, Mass
www.siemens-healthineers.com

Sysmex America

Lincolnshire, Ill
(800) 379-7639
www.sysmex.com

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Kova Liqua-Trol	CliniTek AUWi Pro automated urinalysis system	UN-2000 automated urinalysis system	UF-5000 fully automated urine particle analyzer
Kova Liqua-Trol	N/A	2015 (OUS); 2019 (US).	2015 (OUS); 2019 (US).
FDA, 2013; CE mark, 2013.	CE mark; FDA 510(k).	FDA 510(k), 2018.	FDA 510(k), 2018.
15 mL and 120 mL	27 inches x 63 inches x 35 inches.	35 inches x 52 inches x 36 inches.	35 inches x 26 inches x 36 inches.
Quality control.	Urine chemistry analyzer and urine particle analyzer.	Urine particle analyzer and urine particle digital imaging.	Urine particle analyzer.
N/A	Random urine.	Urine.	Urine.
Ascorbic acid, bacteria, bilirubin, casts, creatine, crystals, glucose, hemoglobin, ketones, leukocyte esterase, microalbumin, nitrite, pH, protein, red cells, urobilinogen, white cells.	Albuminuria, diabetes monitoring, kidney disease, urinary tract infection. Sediment: bacteria, casts, epithelial cells, erythrocytes, flagging for crystals, leukocytes; pathological casts, small round cells, sperm, yeast-like cells.	Quantitative results for bacteria, casts, epithelial cells, erythrocytes, leukocytes. Flagging information for crystals, pathological casts, sperm, yeast-like cells.	Quantitative results for bacteria, casts, epithelial cells, erythrocytes, leukocytes. Flagging information for crystals, pathological casts, sperm, yeast-like cells.
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Results are determined by reagent strip/analyzer.	45 seconds to test result.	Under 3 minutes.	Under 3 minutes.
Capacity determined by analyzer.	100-tube onboard capacity for continuous loading; throughput at least 80 tubes per hour.	From 80 to 250 samples onboard; throughput varies.	Up to 80 samples onboard; maximum throughput 105 per hour.
Automation and connectivity determined by analyzer.	Connects to Centralink data management system; 2-D bar-code reader captures tube type; cap detector and crash protection on analyzer. Connects to UF1000i system using WAM software for single integrated LIS.	Autovalidation, autoreflex rules, evidence-based maintenance, real-time quality control monitoring, remote system diagnostics.	Autovalidation, autoreflex rules, evidence-based maintenance, real-time quality control monitoring, remote calibration, remote system diagnostics
Less than 1 hour.	Offsite training course, online training by PEP Connect.	4 hours.	4 hours.
Tech support provided by phone/email.	Onsite support, 24/7 phone support, online education, and references.	24-hour phone support via a technical assistance center; onsite service varies by service contract.	24-hour phone support via a technical assistance center; onsite service varies by service contract.
Ready-to-use with two levels including microscopics; 30-day room temperature stability; 27-month shelf life from date of manufacture	Integrated System with single LIS connection. Combines benefits of CliniTek Novus (reagent cassette, digital technology, same dry pad chemistry) with Sysmex UF1000i. Two separate reaction chambers and reagents for enhanced classification. Auto-heating of samples removes amorphous crystals prior to sediment analysis.	Two separate reaction chambers and reagents for enhanced classification; specific fluorescent dyes for identifying particles based on internal and external particle characteristics, cell-pack reagents that minimize interferences; review-by-exception design for fewer manual slide reviews; digital imaging of particles to allow for classification by the operator	Two separate reaction chambers and reagents for enhanced classification; specific fluorescent dyes for identifying particles based on internal and external particle characteristics, cell-pack reagents that minimize interferences; review-by-exception design for fewer manual slide reviews.

INTRODUCING A NEW ADDITION TO OUR LINE OF LIQUID LINEARITY AND DAILY QC

Over
120
Analytes
Available



LINEARITY FLQ SPECIAL DIABETES FOR SIEMENS CENTAUR



THIS PRODUCT IS INTENDED TO SIMULATE HUMAN PATIENT SAMPLES FOR DETERMINING LINEARITY, CALIBRATION VERIFICATION, AND THE VERIFICATION OF REPORTABLE RANGE FOR THE ANALYTES C-PEPTIDE AND INSULIN.

ORDER NUMBER: K970M-5

PACKAGE SIZE: 5 x 2 mL

LEVELS: 5

FORMAT: FROZEN LIQUID

OPEN VIAL: 7 DAYS WHEN STORED AT 2-8°C

Providing value to our customers through:

- A broad line of superior quality universal & analyzer specific products.
- Personalized technical support from our experienced laboratory professionals.
- AUDITOR QC, a free and easy to use online data reduction service providing "instant reports".



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