Anexa Nr. 22 la Lot 22	
Lot 22	
Model propus: LabUMat 2 & UriSed 3 PRO, 77Elektronika, Ungaria	
Specificaţia solicitata	**Specificaţia ofertata**
Analizator automat de urină pentru efectuarea analizelor chimice și microscopice ale urinei, care determină prezența anumitor substanţe şi estimează concentraţiile lor într-o probă de urină. Cod 150110. Productivitate Analize microscopice ≥ 60 teste/ora, Analize chimice ≥ 200 teste/ora. Metoda masurarii "floucitometrie și fotometrie". Teste chimice: Bilirubin da, Sînge (hematii) da, Glucoză da, Corpi cetonici da, Esterază leucocitară da, Nitrați da, pH da, Proteine da, Greutatea specific da, Urobilinogen da, Teste microscopice RBC (Red Blood Cells) da, WBC (White Blood Cells) da, WBCc (WBC Clumps) da, HYA (Hyaline Casts) da, SQEP (Squamous Epithelial Cells) da, NSE (Non-Squamous Epithelial Cells) da, UNCC, PAT (Unclassified Cast, Pathological Casts) da, BACT (Bacteria) da, SPRM (Sperm) da, MUC (Mucus) da, CRY (Crystals) da, YEA (Yeast) da. Data management: Calculator integrat sau exterior da, Interfață LIS – bidirecțională. Imprimantă – da. Alimentarea - 220 V, 50 Hz. Consumabile: Sa fie incluse benzi pentru efectuarea testelor chimice ale urinei cu toți parametrii solicitați mai sus ≥ 1000 benzi, Sa fie inclusi reactivi pentru efectuarea analizelor microscopice conform parametrii solicitați mai sus ≥ 1000 analize, Termenul de valabilitate din ziua livrării ≥ 6 luni.	Analizator automat de urină pentru efectuarea analizelor chimice și microscopice ale urinei, care determină prezența anumitor substanţe şi estimează concentraţiile lor într-o probă de urină. Cod 150110. Productivitate Analize microscopice 130 teste/ora, Analize chimice 240 teste/ora. Metoda masurarii " fotometrie în cuve, în cîmp luminos și în contrast de fază" pentru microscopie, fotometrie de reflactanță pentru analize chimice Teste chimice: Bilirubin da, Sînge (hematii) da, Glucoză da, Corpi cetonici da, Esterază leucocitară da, Nitrați da, pH da, Proteine da, Greutatea specific da, Urobilinogen da, Teste microscopice RBC (Red Blood Cells) da, WBC (White Blood Cells) da, WBCc (WBC Clumps) da, HYA (Hyaline Casts) da, SQEP (Squamous Epithelial Cells) da, NSE (Non-Squamous Epithelial Cells) da, UNCC, PAT (Unclassified Cast, Pathological Casts) da, BACT (Bacteria) da, SPRM (Sperm) da, MUC (Mucus) da, CRY (Crystals) da, YEA (Yeast) da. Data management: Calculator integrat da, Interfață LIS(LIS2-A2 sau HL7) – bidirecțională. Imprimantă – da. Alimentarea - 220 V, 50 Hz. Consumabile: Sunt incluse benzi pentru efectuarea testelor chimice ale urinei cu toți parametrii solicitați mai sus 1000 benzi, Sunt inclusi reactivi(cuve) pentru efectuarea analizelor microscopice conform parametrii solicitați mai sus 1000 analize, Termenul de valabilitate din ziua livrării 6 luni.

Digitally signed by Ceaicovschi Tudor
Date: 2022.06.27 09:24:17 EEST
Reason: MoldSign Signature
Location: Moldova

Automated Urine Sediment Analyzer

UriSed 3 PRO

New PHASE with CONTRAST

- Revolutionary particle visualization and recognition utilizing both bright-field and phase contrast microscopy
- Zoomable HPF-like images
- Dual-view for both bright-field and phase contrast images
- Throughput: up to 130 tests/hour
- Fully automated sample preparation requiring only low sample volume
- Manual microscopy mode: Real-time view of any viewfield of the cuvette to see moving microorganisms as well
- No need for liquid reagents or calibrators
- Automated QC analysis and maintenance procedures
- UriSed 3 PRO and LabUMat 2 together make a Complete Urine Laboratory System
- Streamlined documentation by LIS connectivity

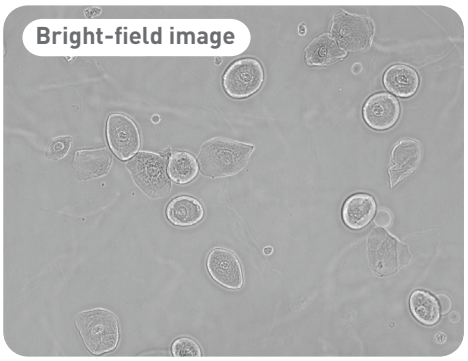
UriSed 3 PRO provides a uniquely advanced visualization and recognition of formed elements in urine sample using a special combination of bright-field and phase contrast microscopy by automating the gold standard method of sediment analysis.
It improves differentiation of hyaline casts, red blood cells, crystals, yeast and overall diagnostic performance in central screening laboratories as well as in specialist laboratories.

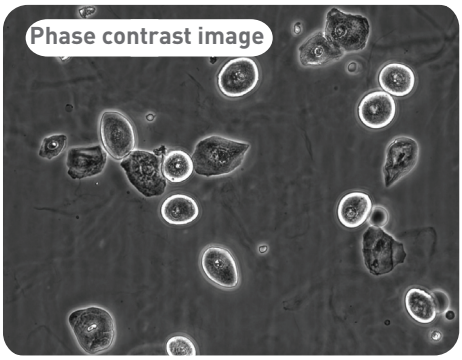
CE For professional Use IVD

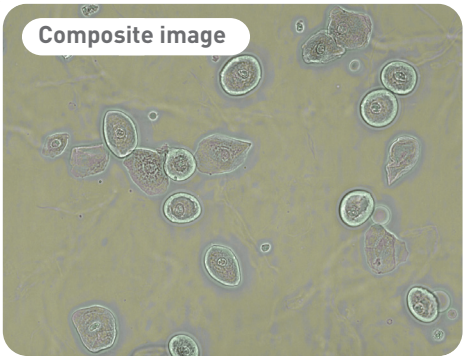
77 Elektronika Kft.

www.tuv.com TÜVRheinland ID:9105013598
- Certified Management System
- DIN EN ISO 14001
- EN ISO 13485
- EN ISO 9001

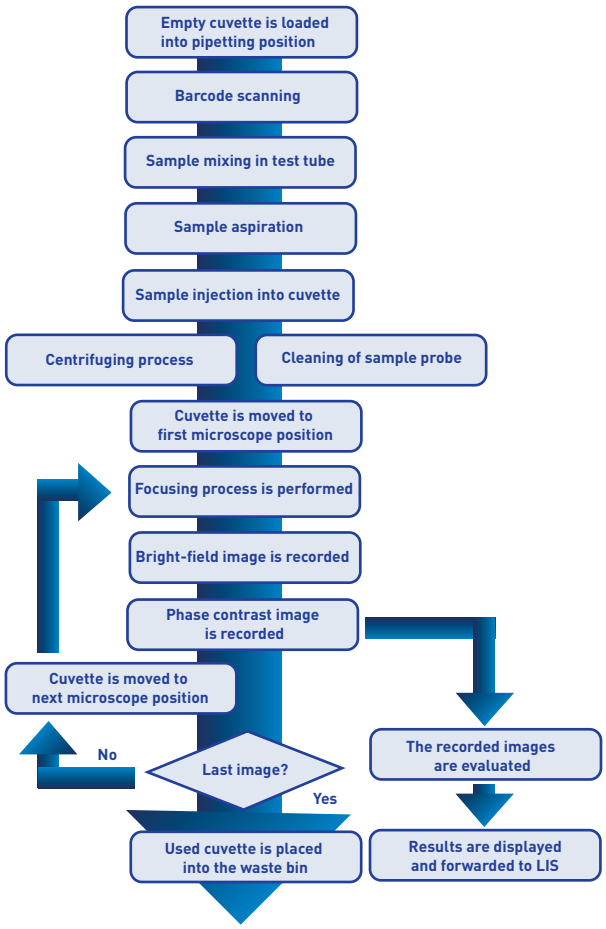
Urine particles with never-seen-before definition and clarity







Patented measurement process



Technical Specifications

Auto-detected particle classes:	Red Blood Cells (RBC); White Blood Cells (WBC); WBC Clumps (WBCc); Hyaline Casts (HYA); Pathological Casts (PAT); Squamous Epithelial Cells (EPI); Non-Squamous Epithelial Cells (NEC); Bacteria Cocci (BACc); Bacteria Rods (BACr); Yeast (YEA); Mucus (MUC); Sperm (SPRM); Crystals (CRY): Calcium-oxalate monohydrate (CaOxm), Calcium-oxalate dihydrate (CaOxd), Uric acid (URI), Triple phosphate (TRI).
Further classes for manual sub-classification are also available!	
Technology:	Cuvette based automated microscopy and image processing
Memory capacity:	10,000 results (including all images)
Throughput:	Up to 130 tests/hour
Magnification:	Zoomable HPF-like images
Displayed images:	Phase contrast, bright-field and composite
Min. sample volume:	2.0 ml (checked by liquid level sensor)
Batch size:	100 test tubes
Barcode reader:	Built-in
Printer:	Optional, external (connected to operating PC)
Interfaces:	USB, LAN, RS232 serial port
LIS connectivity:	LIS2-A2 or HL7
Size:	600 x 640 x 635 mm (W x D x H, without PC)
Weight:	63 kg (without operating PC)
Power (measuring unit):	100-240V AC / 50-60 Hz / max. 200 W
Power (operating PC):	100-127V AC / 47-63 Hz / max. 400 W
	220-240V AC / 47-63 Hz / max. 400 W

The operation of the instrument is based on the patented UriSed Technology. Working without any special liquid reagents, UriSed 3 PRO performs sample preparation, produces whole viewfield microscopic images and evaluates them using the Auto Image Evaluation Module (AIEM), a high-quality image processing software.

Using the phase contrast technology UriSed 3 PRO provides improved performance. It has outstanding visualization and recognition capabilities for every particle type even the ones that conventional bright-field microscopy cannot easily detect (such as casts and ghost red blood cells).

LabUMat 2 & UriSed 3 PRO

Complete Urine Laboratory System

Chemistry and sediment analysis in one system

The efficiency of LabUMat 2 test strip analyzer and UriSed 3 PRO microscopic sediment analyzer – both manufactured by 77 Elektronika – can be maximized by using the two instruments together as one system.
Common operation is enabled with physical and software connections between LabUMat 2 and UriSed 3 PRO. The results of both measurements are stored in a common database and reported as a common report.
Since all necessary measurements which have to be done on urine samples are completed by this integrated system in one process, the combination of LabUMat 2 and UriSed 3 PRO accelerates laboratory throughput and provides the most effective and reliable solution for complete and professional urine analysis.

All you need for complete urine analysis

LabStripU11 Plus GL test strips for LabUMat 2 (closed system)

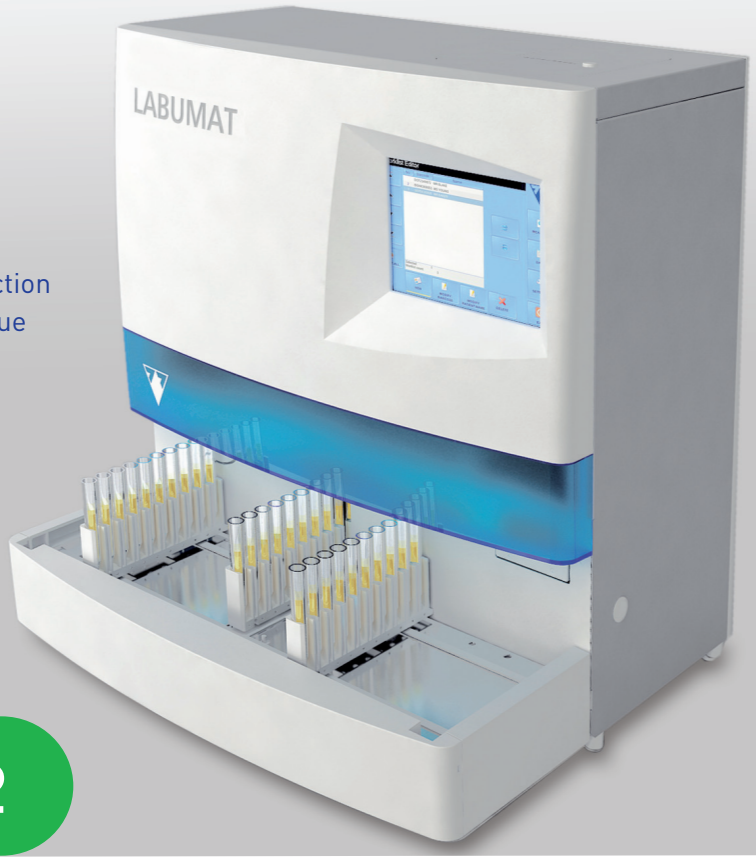
Cuvettes for UriSed 3 PRO (closed system)

Normal distilled water

Standard test tubes

Automated Urine Chemistry Analyzer

- Up to 240 tests/hour throughput
- Spotting method: sample dosage by pipetting unit
- Cost-effective operation without any special liquid reagents
- Low sample volume; liquid level detection
- Advanced, patented detection technique
- Separate PMC module for measuring physical parameters
- User friendly and flexible software; easy operation via color touch screen
- Streamlined documentation by LIS connectivity
- Automated QC analysis and self-check
- Software and language upgrades via USB stick



LabUMat 2

Proficiency and efficiency in urinalysis

The LabUMat 2 is a fully automated urine chemistry analyzer evaluating 10 chemical parameters of LabStrip U11 Plus GL test strips and 3 physical parameters. Besides preserving all its former attractive features, the new version of LabUMat has been significantly improved for an even better performance. Continuing its predecessor's mission, LabUMat 2 is a high quality and reliable instrument meeting the requirements of modern automated laboratories and providing walk-away operation. Easy operation via touch screen, automatic handling of test strips and test tubes – including sample mixing and precise dosing for each test pad by the pipetting unit – advanced detection technique and intelligent data management provide maximum efficiency while making urinalysis simple.

About 77 Elektronika

77 Elektronika Kft. is a major global developer, manufacturer and supplier of in vitro diagnostic medical devices, mainly urine analyzers, rapid test readers, blood glucose meters and their consumables. The products are supplied throughout the world under the 77 Elektronika brand and as OEM products for market-leading multinational companies.

77 Elektronika was established in 1986 and is headquartered in Budapest, Hungary (EU). The company is committed to providing superior products and services to the complete satisfaction of its customers.

Technical features

Methodology:	reflectance photometer, 4 discrete wavelengths
Evaluated parameters:	Bilirubin, Urobilinogen, Ketones, Ascorbic acid, Glucose, Protein, Blood, pH, Nitrite, Leucocytes via LabStrip U11 Plus (GL) urine test strip Specific gravity, Color, Turbidity via PMC (Physical Measurement Cell) module
Max. throughput:	up to 240 tests / hour
Batch size:	100 test tubes
Min. sample volume:	2.0 ml (checked by liquid level sensor)
Memory:	max 10,000 results
Display:	800x600 TFT
Size:	600x650x635 mm (LxDxH)
Weight:	55 kg
Input:	100-250V AC / 50-60 Hz
Power consumption:	max 200 W
Interfaces:	USB, RS232 serial port, PS2, VGA
Printer:	built-in thermal printer
Barcode reader:	built-in barcode reader

77 Elektronika Kft.
Fehérvári út 98. H-1116 Budapest, Hungary
Sales Hotline: +36-1-481-0139
Phone: +36-1-206-1480 Fax: +36-1-206-1481
E-mail: sales@e77.hu Web: www.e77.hu

URP-9303-1

77 Elektronika Kft.

/ 77 ELEKTRONIKA KFT.
H-1116 Budapest, Fehérvári út 98.

EC DECLARATION OF CONFORMITY

The undersigned, representing the following manufacturer:

Manufacturer:	**77 Elektronika Műszeripari Kft.**
Address:	Fehérvári út 98., H-1116, Budapest, Hungary

herewith declares under sole responsibility that the medical devices:

Product family:	**Automated urine sediment analyzer**	GMDN code:	35918
Product identification(s) and alternative make(s):	▪ UriSed 2 automated urine sediment analyzer ▪ UriSed 3 automated urine sediment analyzer ▪ UriSed 3 PRO automated urine sediment analyzer		
Product category:	in vitro diagnostic medical device (for professional use)		
Product classification:	Non-listed product according to Annex II of the Directive 98/79/EC		

declared by the manufacturer as in vitro diagnostic medical devices in conformity with the Directive 98/79/EC of the European Parliament and of the Council on in vitro diagnostic medical devices (furthermore: Directive 98/79/EC)

CONFORMS

with the essential requirements of Annex I and other applicable articles of the Directive 98/79/EC and possess the performance intended by the manufacturer.

Conformity Assessment Procedure:	EC Directive 98/79/EC, Annex III. excluding Section 6.
Notified Body (if consulted):	N/A
Notified Body Identification Number (if consulted):	N/A
Type of Notified Body Certificate, Registration No. and Validity of Notified Body Certificate:	N/A

This is to attest that the aforementioned products do not endanger the health and safety of the patient, the operator or any other person if used properly.

I hereby declare that I maintain and update a quality management system whereby I monitor the experience acquired after the manufacture of the products and I take the necessary corrective actions.

I hereby declare that I immediately announce in accordance with Article 11 of the Directive 98/79/EC if any malfunction, deterioration of the features or performance of the product, or any deficiency or inadequacy of the user manual has caused or could have caused the death or severe deterioration of the state of health of the patient or the operator of the product.

I have compiled the technical documentation for aforementioned products in accordance with Article 3 of the Annex III of the Directive 98/79/EC that I shall hand over for supervision upon request by the Division for Medical Device Evaluation, Directorate General of Inspection, National Institute of Pharmacy and Nutrition, up to at least 5 years from the date of manufacture of the last product. The technical documentation is available at manufacturer's headquarters.

Budapest, 25.05.2022.

Oliver Babinszki
Quality and Environmental Management Director

77 Elektronika Műszeripari Kft.
1116 Budapest, Fehérvári út 98.
Adószám: 10229064-2-44
BBRT: 10102093-01196703-00000005
36.

/ 77 ELEKTRONIKA KFT.
H-1116 Budapest, Fehérvári út 98.

EU-DECLARATION OF CONFORMITY

Manufacturer name:	**77 Elektronika Műszeripari Kft.**
Address:	Fehérvári út 98., H-1116 Budapest
SRN number:	HU-MF-000004266

Product(s) name:	**UriSed Cuvettes**
Reference number:	URS-9961-1, URS-9971, URS-9972, URS-9974, URS-9961-CH-1, URS-9971CH
Basic UDI-DI:	59973457CUV9W
GMDN / EMDN	61032 / W02010785
Intended purpose of the device:	UriSed Cuvettes are disposable, single use polycarbonate specimen receptacles used to analyse uncentrifuged, human urine samples with UriSed sediment analysers. It is intended for professional, laboratory use. It is intended for in vitro diagnostic use.
Classification:	A class

The manufacturer declares under its sole responsibility that the above-mentioned product complies with the requirements of the following legislation (s):

Applicable legalisations:	Regulation (EU) 2017/746 of 5 April 2017 on in vitro diagnostic medical devices

Notified Body name:	N/A
Notified Body address:	N/A
Notified Body Identification Number:	N/A
Conformity assessment procedure:	N/A
EC Certificate of conformity's type, number and validity:	N/A

Budapest, 25.05.2022.

.....

Oliver Babinszki
Quality and Environmental Management Director

77 Elektronika Műszeripari Kft.
1116 Budapest, Fehérvári út 98.
Adószám: 10229064-2-44
BBRT: 10102093-01196703-00000005
36.

TÜVRheinland®

Certificate

The Certification Body of
TÜV Rheinland LGA Products GmbH

hereby certifies that the organization

77 Elektronika Műszeripari Kft.
Fehérvári út 98.
1116 Budapest
Hungary

has established and applies a quality management system for medical devices for the following scope:

(see attachments for scope and additional sites included)

Proof has been furnished that the requirements specified in

EN ISO 13485:2016

are fulfilled. The quality management system is subject to yearly surveillance.

Effective Date:	2019-11-18
Certificate Registration No.:	SX 60144357 0001
An audit was performed. Report No.:	28250824 002
This Certificate is valid until:	2022-11-17

Certification Body

DAkkS
Deutsche
Akkreditierungsstelle
D-ZM-14169-01-02

Date 2019-11-18

Maciej Sciera

TÜV Rheinland LGA Products GmbH
TÜVRheinland®
Zertifizierungsstelle

TÜV Rheinland LGA Products GmbH - Tillystraße 2 - 90431 Nürnberg
Tel.: +49 221 806-1371 Fax: +49 221 806-3935 e-mail:cert-validity@de.tuv.com http://www.tuv.com/safety

TÜVRheinland®

Doc. 1/1, Rev. 0

TÜV Rheinland
LGA Products GmbH
Tillystraße 2, 90431 Nürnberg

Attachment to Certificate
Registration No.: SX 60144357 0001
Report No.: 28250824 002

Organization:
77 Elektronika Műszeripari Kft.
Fehérvári út 98.
1116 Budapest
Hungary

Scope:

Design and development, manufacture, distribution, installation and servicing of blood glucose measuring systems, urine analyzers and rapid test readers, including related consumables

Additional sites included:
77 Elektronika Műszeripari Kft.
Sztregova utca 1
1116 Budapest
Hungary

Activity: Manufacture and warehouse of blood glucose measuring systems, urine analysers and the related consumables and parts. Manufacturing of SMT technology.

Certification Body

DAkkS
Deutsche
Akkreditierungsstelle
D-ZM-14169-01-02

TÜV Rheinland LGA Products GmbH
TÜVRheinland®
Zertifizierungsstelle

Date: 2019-11-18

Maciej Sciera

/ 77 ELEKTRONIKA KFT.
H-1116 Budapest, Fehérvári út 98.

EC DECLARATION OF CONFORMITY

The undersigned, representing the following manufacturer:

Manufacturer:	**77 Elektronika Műszeripari Kft.**
Address:	Fehérvári út 98., H-1116, Budapest, Hungary

herewith declares under sole responsibility that the medical devices:

Product family:	**Urine test strips**	GMDN code:	30226
Product identification(s) and alternative make(s):	▪ LabStrip U11 Plus Urine Test Strip (Ref: ANA-9910-1) ▪ LabStrip U11 Plus GL Urine Test Strip (Ref: ANA-9910GL-1)		
Product category:	in vitro diagnostic medical device (for professional use)		
Product classification:	Non-listed product according to Annex II of the Directive 98/79/EC		

declared by the manufacturer as in vitro diagnostic medical devices in conformity with the Directive 98/79/EC of the European Parliament and of the Council on in vitro diagnostic medical devices (furthermore: Directive 98/79/EC)

CONFORMS

with the essential requirements of Annex I and other applicable articles of the Directive 98/79/EC and possess the performance intended by the manufacturer.

Conformity Assessment Procedure:	EC Directive 98/79/EC, Annex III. excluding Section 6.
Notified Body (if consulted):	N/A
Notified Body Identification Number (if consulted):	N/A
Type of Notified Body Certificate, Registration No. and Validity of Notified Body Certificate:	N/A
Quality Management System:	EN ISO 13485:2016
Certification Body:	TÜV Rheinland LGA Products GmbH
Cert. Reg. No and Validity of Cert.:	SX 60144357 0001 (2022.11.17.)

This is to attest that the aforementioned products do not endanger the health and safety of the patient, the operator or any other person if used properly.
I hereby declare that I maintain and update a quality management system whereby I monitor the experience acquired after the manufacture of the products and I take the necessary corrective actions.
I hereby declare that I immediately announce in accordance with Article 11 of the Directive 98/79/EC if any malfunction, deterioration of the features or performance of the product, or any deficiency or inadequacy of the user manual has caused or could have caused the death or severe deterioration of the state of health of the patient or the operator of the product.
I have compiled the technical documentation for aforementioned products in accordance with Article 3 of the Annex III of the Directive 98/79/EC that I shall hand over for supervision upon request by the Division for Medical Device Evaluation, Directorate General of Inspection, National Institute of Pharmacy and Nutrition, up to at least 5 years from the date of manufacture of the last product. The technical documentation is available at manufacturer's headquarters.

Budapest, 16.06.2021.

Oliver Babinszki
Quality and Environmental Management Director

77 Elektronika Műszeripari Kft.
1116 Budapest, Fehérvári út 98
Adószám: 10229064-2-44
BBRT 10102093-01196703-00000005

/ 77 ELEKTRONIKA KFT.
H-1116 Budapest, Fehérvári út 98.

EC DECLARATION OF CONFORMITY

The undersigned, representing the following manufacturer:

Manufacturer:	**77 Elektronika Műszeripari Kft.**
Address:	Fehérvári út 98., H-1116, Budapest, Hungary

herewith declares under sole responsibility that the medical devices:

Product family:	**Automated urine chemistry analyzer**	GMDN code:	35772
Product identification(s) and alternative make(s):	▪ LabUMat automated urine chemistry analyzer ▪ LabUMat 2 automated urine chemistry analyzer		
Product category:	in vitro diagnostic medical device (for professional use)		
Product classification:	Non-listed product according to Annex II of the Directive 98/79/EC		

declared by the manufacturer as in vitro diagnostic medical devices in conformity with the Directive 98/79/EC of the European Parliament and of the Council on in vitro diagnostic medical devices (furthermore: Directive 98/79/EC)

CONFORMS

with the essential requirements of Annex I and other applicable articles of the Directive 98/79/EC and possess the performance intended by the manufacturer.

Conformity Assessment Procedure:	EC Directive 98/79/EC, Annex III. excluding Section 6.
Notified Body (if consulted):	N/A
Notified Body Identification Number (if consulted):	N/A
Type of Notified Body Certificate, Registration No. and Validity of Notified Body Certificate:	N/A
Quality Management System:	EN ISO 13485:2016
Certification Body:	TÜV Rheinland LGA Products GmbH
Cert. Reg. No and Validity of Cert.:	SX 60144357 0001 (2022.11.17.)

This is to attest that the aforementioned products do not endanger the health and safety of the patient, the operator or any other person if used properly.
I hereby declare that I maintain and update a quality management system whereby I monitor the experience acquired after the manufacture of the products and I take the necessary corrective actions.
I hereby declare that I immediately announce in accordance with Article 11 of the Directive 98/79/EC if any malfunction, deterioration of the features or performance of the product, or any deficiency or inadequacy of the user manual has caused or could have caused the death or severe deterioration of the state of health of the patient or the operator of the product.
I have compiled the technical documentation for aforementioned products in accordance with Article 3 of the Annex III of the Directive 98/79/EC that I shall hand over for supervision upon request by the Division for Medical Device Evaluation, Directorate General of Inspection, National Institute of Pharmacy and Nutrition, up to at least 5 years from the date of manufacture of the last product. The technical documentation is available at manufacturer's headquarters.

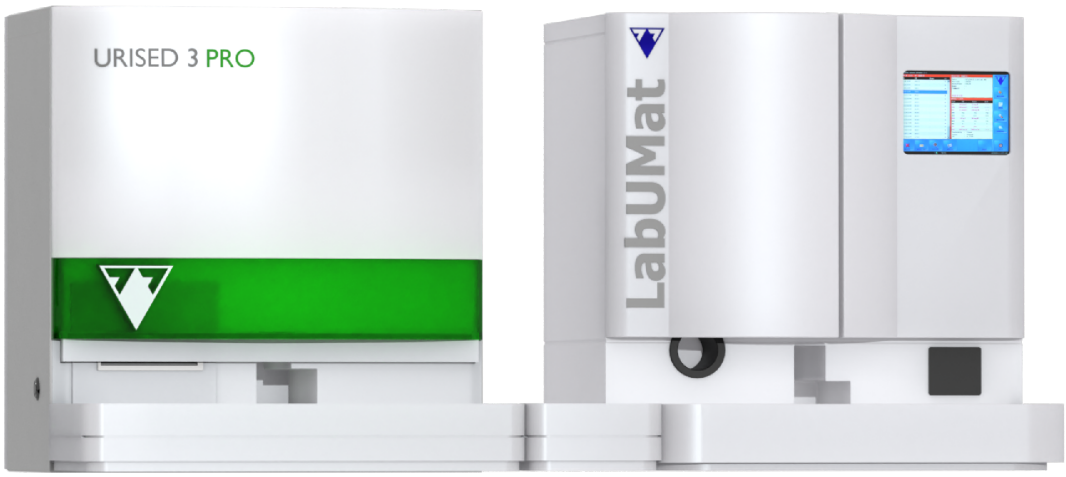
Budapest, 19.01.2021.

.....

Oliver Babinszki
Quality and Environmental Management Director

77 Elektronika Műszeripari Kft.
1116 Budapest, Fehérvári út 98.
Adószám: 10229064-2-44
BBRT: 10102093-01196703-00000005
31

Автоматическая мочевая станция



LabUMat 2 + UriSed® 3 PRO

77 ELEKTRONIKA

Автоматическая мочевая станция
LabUMat 2 + UriSed® 3 PRO

LabUMat 2 – автоматический анализатор физико-химических свойств мочи, использующий метод отражательной фотометрии и прямое измерение физических параметров.

UriSed® 3 PRO – автоматический анализатор осадка мочи, использующий комбинацию светлопольной и фазово-контрастной микроскопии.

Интеграция в единый комплекс двух анализаторов позволяет выполнить стандартизированное исследование в одной пробе всех показателей общеклинического анализа мочи с формированием единого отчета.

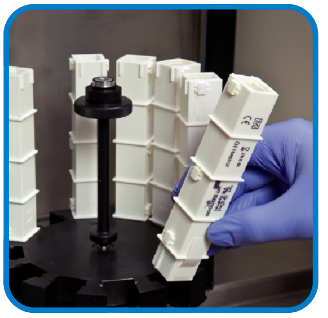
- Производительность до 240 тестов в час
- Отсутствие жидких реагентов и калибраторов
- Настройка выборочной отправки пробы на анализ осадка
- Перекрестная проверка результатов (CrossCheck)
- Результаты исследования в оптимальном виде (в полях зрения, в мкл, в «крестах»)
- Единовременная загрузка до 100 проб
- Автоматический анализ более 30 параметров в образце

UriSed® 3 PRO	
Эритроциты	Бактерии-палочки
Лейкоциты	Дрожжи
Скопления лейкоцитов	Слизь
Гиалиновые цилиндры	Сперматозоиды
Патологические цилиндры	Кристаллы
Плоский эпителий	Моногидрат оксалата кальция
Неплоский эпителий	Дигидрат оксалата кальция
Бактерии	Мочевая кислота
Бактерии-кокки	Трипельфосфат

LabUMat 2	
Билирубин	pH
Уробилиноген	Нитриты
Кетоны	Лейкоциты
Аскорбиновая кислота	Удельный вес
Глюкоза	Цвет
Белок (альбумин)	Мутность
Кровь	

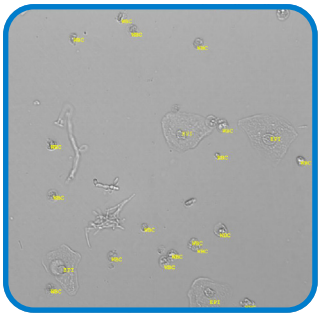
Четыре шага к получению результата
77 Elektronika

Загрузите тест-полоски



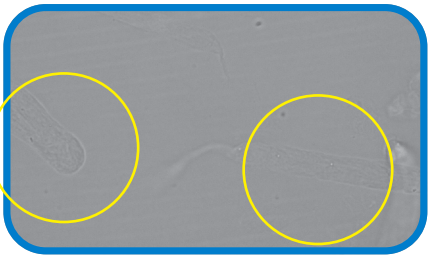
Установите кюветы

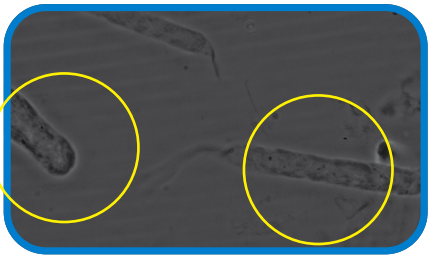
Установите стандартные пробирки



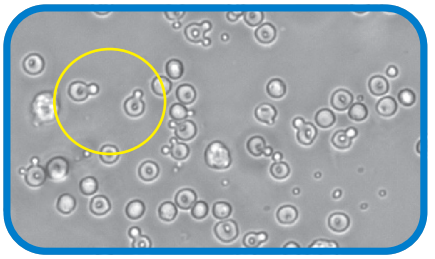
Получите результат на экране

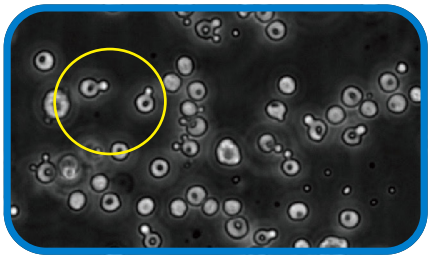
Возможности фазово-контрастной микроскопии
UriSed® 3 PRO



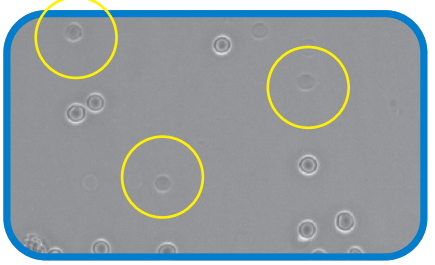


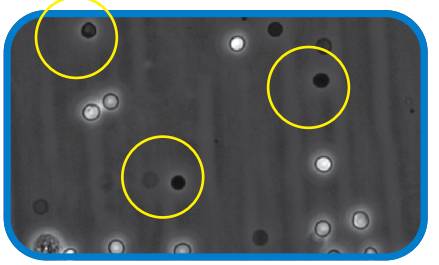
Фазово-контрастная микроскопия предоставляет новые возможности визуализации морфологии даже прозрачных элементов осадка.





UriSed 3 PRO отмечает пробы с подозрением на гломерулярную гематурию при обнаружении среди эритроцитов ≥30 % теней эритроцитов и/или ≥5 % акантоцитов.





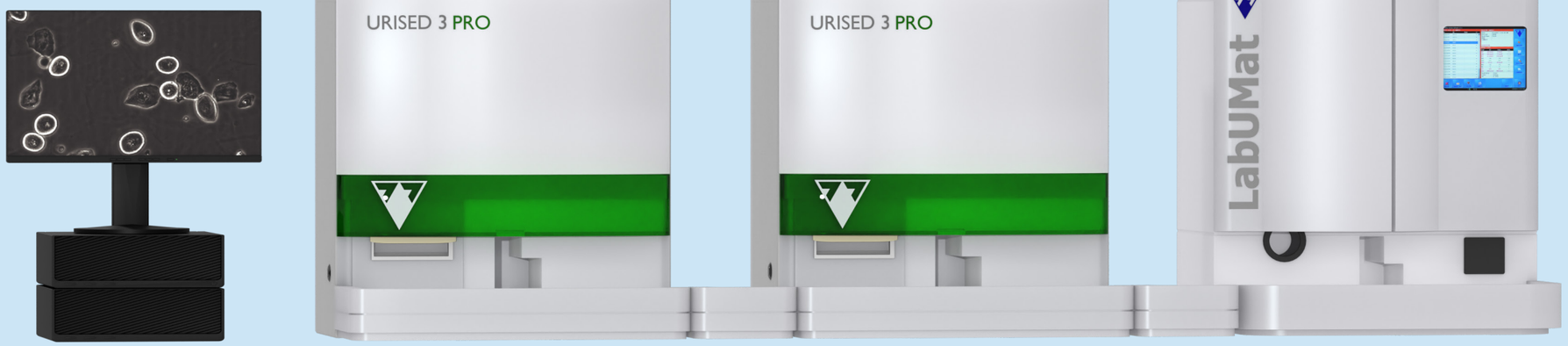
Гематурия является основным синдромом заболеваний мочевыводящих путей и почек. Фазово-контрастная микроскопия предлагает наилучший поход к оценке морфологии эритроцитов, что позволяет определить локализацию кровотечения.

Поэтому фазово-контрастная микроскопия рекомендована при исследовании осадка мочи и обязательна при обнаружении дисморфных эритроцитов международным руководством[1].

[1] European Urinalysis Guideline, p.23, European Confederation of Laboratory Medicine, 2000

Автоматическая мочевая станция в конфигурации

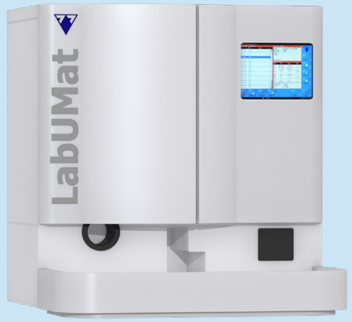
LabUMat 2 + UriSed® 3 PRO + UriSed® 3 PRO (Cascade)



- Производительность до 240 тестов в час при 100% микроскопии осадка
- Одновременно в работе могут находиться до 300 проб (30 штативов)
- Непрерывная дозагрузка проб
- Два расходных материала, прозрачная стоимость одного анализа

UriSed® 3 PRO

- Максимальная производительность до 130 тестов в час
- Автоматический подсчет и распределение элементов осадка по 18 классам
- Светлопольное, фазово-контрастное и комбинированное изображение
- Вывод результатов исследования в единицах измерения: в полях зрения, в мкл, в «крестах»



LabUMat 2

- Автоматический анализ по 13 параметрам
- Производительность до 240 тестов в час
- Встроенный блок для измерения физические параметров (удельный вес и мутность)
- Двустороннее подключение к LIS

UriSed® 3 PRO + UriSed® 3 PRO

- Производительность до 240 тестов в час
- Самое эффективное решение по производительности при 100 % микроскопии осадка
- Объединение через соединительный блок для параллельного передвижения до 20 штативов с пробирками

150 тест-полосок

600 кювет

Расходные материалы

- Увеличенный срок годности
- Удобный менеджмент

Спецификации
LabUMat 2 + UriSed® 3 PRO + UriSed® 3 PRO (Cascade)

Основные характеристики

Производительность	До 240 тестов в час
Единовременная загрузка	До 300 проб
Автоматическое обнаружение и дифференцировка элементов осадка мочи	Эритроциты, Лейкоциты, Скопления лейкоцитов, Гиалиновые цилиндры, Патологические цилиндры, Плоский эпителий, Неплоский эпителий, Бактерии, Бактерии-кокки, Бактерии-палочки, Дрожжи, Слизь, Сперматозоиды, Кристаллы, Моногидрат оксалата кальция, Дигидрат оксалата кальция, Мочевая кислота, Трипельфосфат
Автоматическое определение физико-химических параметров	Билирубин, Уробилиноген, Кетоны, Аскорбиновая кислота, Глюкоза, Белок (альбумин), Кровь, pH, Нитриты, Лейкоциты, Удельный вес, Цвет, Мутность
Технология	Отражательная фотометрия, прямое измерение физических параметров. Автоматическая микроскопия и обработка изображений в одноразовой кювете
Полученные изображения	Фазово-контрастное, светлопольное и комбинированное
Считыватель штрих-кодов	Встроенный
Принтер	Опциональный, внешний (подключается к ПК)
Интерфейс	USB, LAN, RS232
ЛИС	Двустороннее подключение, LIS2-A2 или HL7

Мы оставляем за собой право изменять спецификации без предварительного уведомления.

Медика Продакт

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