



STATEMENT

We, ACON Laboratories, Inc., having a registered office at *5850 Oberlin Drive #340, San Diego, CA 92121* authorize SRL Sanmedico having a registered office at *A. Corobceanu street 7A, apt. 9, Chisinău, MD-2012, Moldova*

to register, notify, renew or modify the registration of medical devices on the territory of the Republic of Moldova.

Date: March 18, 2024

Signature:

A handwritten signature in black ink, appearing to read "Xie", is written over a horizontal line.

Qiyi Xie, Md, MPH
V.P. of Regulatory & Clinical Affairs
ACON Laboratories, Inc.



Certificate

No. Q5 104507 0001 Rev. 03

Holder of Certificate: **ACON Laboratories, Inc.**
5850 Oberlin Drive, #340
San Diego CA 92121
USA

Certification Mark:



Scope of Certificate: **Design and Development, Manufacture and distribution of In Vitro Diagnostic Test Kits and Reagents for the Determination of Infectious Diseases, Clinical Chemistry, Drugs of Abuse, Tumor/Cardiac Marker, Fertility/Pregnancy and Blood Glucose Monitoring System, Lancing Devices and Lancets**

The Certification Body of TÜV SÜD Product Service GmbH certifies that the company mentioned above has established and is maintaining a quality management system, which meets the requirements of the listed standard(s). All applicable requirements of the testing and certification regulation of TÜV SÜD Group have to be complied with. For details and certificate validity see: www.tuvsud.com/ps-cert?q=cert:Q5 104507 0001 Rev. 03

Report No.: SH22743A01

Valid from: 2022-09-15
Valid until: 2025-09-06

Date, 2022-09-15



Christoph Dicks
Head of Certification/Notified Body

Certificate

No. Q5 104507 0001 Rev. 03

Applied Standard(s):

EN ISO 13485:2016
Medical devices - Quality management systems -
Requirements for regulatory purposes
(ISO 13485:2016)
DIN EN ISO 13485:2016

Facility(ies):

ACON Laboratories, Inc.
5850 Oberlin Drive, #340, San Diego CA 92121, USA

Address holder for registration only

ACON Laboratories, Inc.
10125 Mesa Rim Road, San Diego CA 92121, USA

Manufacture and distribution of
In Vitro Diagnostic Test Kits and Reagents for the Determination of
Infectious Diseases, Clinical Chemistry, Drugs of Abuse,
Tumor/Cardiac Marker, Fertility/Pregnancy and Blood Glucose
Monitoring System, Lancing Devices and Lancets

ACON Laboratories, Inc.
6865 Flanders Dr., Suite B, San Diego CA 92121, USA

Storage of
In Vitro Diagnostic Test Kits and Reagents for the Determination of
Infectious Diseases, Clinical Chemistry, Drugs of Abuse,
Tumor/Cardiac Marker, Fertility/Pregnancy and Blood Glucose
Monitoring System, Lancing Devices and Lancets

AZURE Institute, Inc.
10125 Mesa Rim Road, San Diego CA 92121, USA

Design and Development of
In Vitro Diagnostic Test Kits and Reagents for the Determination of
Infectious Diseases, Clinical Chemistry, Drugs of Abuse,
Tumor/Cardiac Marker, Fertility/Pregnancy and Blood Glucose
Monitoring System, Lancing Devices and Lancets

Acon Laboratories Inc.
Guerrero Negro 9942 Parque Industrial Pacifico IV, 22644
Tijuana B.C. CP, MEXICO

Manufacture of
blood glucose test strips, antigen rapid test and IgG/IgM antibody
rapid test for infectious disease.



EC Certificate

Full Quality Assurance System

Directive 98/79/EC on In Vitro Diagnostic Medical Devices (IVDD), Annex IV excluding (4, 6)
(List A and B and devices for self-testing)

No. V1 104507 0003 Rev. 06

Manufacturer: **ACON Laboratories, Inc.**
5850 Oberlin Drive, #340
San Diego CA 92121
USA

Product Category(ies): **Blood glucose measuring systems for self testing
and self-testing devices for clinical chemistry,
hematology and pregnancy and ovulation**

The Certification Body of TÜV SÜD Product Service GmbH declares that the aforementioned manufacturer has implemented a quality assurance system for design, manufacture and final inspection of the respective devices / device families in accordance with IVDD Annex IV. This quality assurance system conforms to the requirements of this Directive and is subject to periodical surveillance. For marketing of List A devices an additional Annex IV (4) certificate is mandatory. All applicable requirements of the testing and certification regulation of TÜV SÜD Group have to be complied with. For details and certificate validity see: www.tuvsud.com/ps-cert?q=cert:V1_104507_0003_Rev.06

Report no.: SH22743EXT01

Valid from: 2022-05-04

Valid until: 2025-05-26

Date, 2022-05-04

Christoph Dicks
Head of Certification/Notified Body



EC Certificate

Full Quality Assurance System

Directive 98/79/EC on In Vitro Diagnostic Medical Devices (IVDD), Annex IV excluding (4, 6)
(List A and B and devices for self-testing)

No. V1 104507 0003 Rev. 06

Model(s):

On Call Plus Blood Glucose Monitoring System,
On Call Plus Blood Glucose Test Strips,
On Call EZ II Blood Glucose Monitoring System,
On Call Advanced Blood Glucose Monitoring System,
On Call Advanced Blood Glucose Test Strips,
On Call Chosen Blood Glucose Test Strips,
On Call Vivid Blood Glucose Monitoring System (OGM-101),
On Call Vivid Blood Glucose Test Strips (OGS-101),
On Call Sharp Blood Glucose Monitoring System (OGM-121),
On Call Sharp Blood Glucose Test Strips (OGS-121)
On Call Plus II Blood Glucose Monitoring System (OGM-171),
On Call Plus II Blood Glucose Test Strips (OGS-171),
On Call Extra Blood Glucose Monitoring System (OGM-191),
On Call Extra Blood Glucose Test Strips (OGS-191),
On Call GK Dual Blood Glucose & Ketone Monitoring System (OGM-161),
On Call Blood Ketone Test Strips (OGS-161),
Urinalysis Reagent Strips (Urine),
UTI Urinary Tract Infection Test Strips,
Cholesterol Monitoring System (CCM-111),
CHOL Total Cholesterol Test Devices (CCS-111),
TRIG Triglycerides Test Devices (CCS-112),
HDL High Density Lipoprotein Test Devices (CCS-113),
3-1 Lipid Panel Test Devices (CCS-114),
Cholesterol CTRL Control Devices,
Cholesterol Monitoring System (CCM-101),
CHOL Total Cholesterol Test Strips (CCS-101),
PT/INR Monitoring System (CCM-151),
PT/INR Test Strips (CCS-151),
Hemoglobin Testing System (CCM-141),
Hemoglobin Test Strips (CCS-141),
hCG Pregnancy Rapid Test Cassette (Urine),
Pregnancy Rapid Test Midstream,
On Call Extra Mobile Blood Glucose Monitoring System (OGM-281),
On Call Sure Blood Glucose Monitoring System (OGM-211),
On Call Sure Sync Blood Glucose Monitoring System (OGM-212),
On Call Sure Blood Glucose Test Strips (OGS-211),
GIMA Blood Glucose Monitoring System,
GIMA Bluetooth Blood Glucose Monitoring System,
GIMA Blood Glucose Test Strips,
On Call GU Dual Blood Glucose & Uric Acid Monitoring



EC Certificate

Full Quality Assurance System

Directive 98/79/EC on In Vitro Diagnostic Medical Devices (IVDD), Annex IV excluding (4, 6)
(List A and B and devices for self-testing)

No. V1 104507 0003 Rev. 06

System (OGM-201),
On Call Blood Uric Acid Test Strips (OGS-201),
LH Ovulation Rapid Test Cassette (Urine),
Ovulation Rapid Test Midstream,
Ovulation & Pregnancy Test Combo Pack,
On Call Extra Voice Blood Glucose Monitoring System
(OGM-291),
Early Detection Pregnancy Test,
Digital Pregnancy Test,
Go-Keto Blood Glucose & Ketone Monitoring System (OGM-
161),
Go-Keto Blood Ketone Test Strips (OGS-161),
Go-Keto Blood Glucose Test Strips,
On Call Extra GM Blood Glucose Monitoring System(OGM-
191),
On Call Extra GM Blood Glucose Test Strips (OGS-191),
On Call Plus GM Blood Glucose Monitoring System,
On Call Plus GM Blood Glucose Test Strips,
Go-Keto Urinalysis Reagent Strips

Facility(ies):

ACON Laboratories, Inc.
5850 Oberlin Drive, #340, San Diego CA 92121, USA

ACON Laboratories, Inc.
10125 Mesa Rim Road, San Diego CA 92121, USA

AZURE Institute, Inc.
10125 Mesa Rim Road, San Diego CA 92121, USA

Acon Laboratories Inc.
Guerrero Negro 9942 Parque Industrial Pacifico IV, 22644 Tijuana
B.C. CP, MEXICO

Declaration of Conformity

We, the manufacturer, under compliance to Article 17 of regulation (EU) 2017/746, declare under our sole responsibility that the medical device:

Device Name	REF Number
Mission® Expert U500 Urine Analyzer	U213-101, U213-111
Mission® Expert U500 Data Transfer Kit	U223-131
Mission® Expert Barcode Reader	U223-111
Mission® Expert Printer Paper Rolls	U123-101
Insight® Expert U500 Urine Analyzer	U213-105, U213-115
Insight® Expert U500 Data Transfer Kit	U223-135
Insight® Expert Barcode Reader	U223-115
Insight® Expert Printer Paper Rolls	U123-105

of class A according to Rule 5(b) of Annex VIII of regulation (EU) 2017/746, is in conformity with

Regulation (EU) IVDR 2017/746 of the European Parliament and of the Council of 5 April 2017 on in vitro diagnostic medical devices and repealing Directive 98/79/EC and Commission Decision 2010/227/EU

and

Directive 2011/65/EU of the European Parliament and of the Council of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment, and further amendments to the directive issued and in force at the date of this declaration.*

It has been demonstrated that the requirements specified in Article 4 have been met.

The materials in ACON's products are assessed in accordance with ACON's procedure for approval which uses documents and contractual agreements to evaluate compliance and approve new materials and components.*

This declaration is based on:

Manufacturer's Name: ACON Laboratories, Inc.

Manufacturer's Address: 5850 Oberlin Drive, #340 San Diego, CA 92121

Manufacturer's SRN: US-MF-000023913

Authorized Representative Name: Medical Device Safety Service GmbH

Authorized Representative Address: Schiffgraben 41, 30175 Hannover, Germany

Basic UDI-DI: 6826079999900454H

Intended Purpose of device: The Expert U500 Urine Analyzer is intended for use in conjunction with the Expert Urinalysis Reagent Strips for the semi-quantitative detection of the following analytes in human urine: Glucose, Bilirubin, Ketone (Acetoacetic acid), Specific Gravity, Blood, pH, Protein, Urobilinogen, Leukocytes, Ascorbic Acid, Albumin, and Creatinine, as well as the qualitative detection of Nitrite. The instrument is intended for professional, in vitro diagnostic use only.



Signed this 20 day of May, 2022
in San Diego, CA USA



Qiyi Xie, MD, MPH
Senior Staff, Regulatory Affairs & Clinical Affairs
ACON Laboratories, Inc.

* This statement is based on information and data provided by third parties and may not have been verified through destructive testing or other chemical analysis.





ACON Laboratories, Inc.

10125 Mesa Rim Road. • San Diego, CA 92121 • USA
Tel: (858) 875-8000 • Fax: (858) 875-8099 • E-mail: info@aconlabs.com

November 11th 2016

CERTIFICATION LETTER

This letter is to certify that, Vitalie Goreacii, employed by Sanmedico SRL located at: Republic of Moldova, city Chisinau, str. Petricani 88/1 of. 10, MD-2059, have received all required training and is enabled and authorized to provide services with installation, commissioning, and maintenance to the products listed below:

Mission® U120 Urine Analyzer
Mission® U120 Ultra Urine Analyzer
Mission® U500 Urine Analyzer
Mission® PT/INR Coagulation Monitoring System
Mission® Cholesterol Monitoring System
Mission® Ultra Cholesterol Monitoring System
Mission® HB Hemoglobin Testing System
Mission® Plus HB Hemoglobin Testing System
OnCall® Glucose Meter

For further questions or inquiries regarding this matter, please refer to the contact information below.

Sincerely

A handwritten signature in black ink, appearing to read "Jassy Alvarenga", is written over a red circular stamp.



Jassy Alvarenga
International Account Manager
ACON Laboratories, Inc. S.A.
jalvarenga@aconlabs.com
+1 858 875 8085

Declaration of Conformity

ACON Laboratories, Incorporated
5850 Oberlin Drive #340
San Diego, CA 92121, USA

**We, the manufacturer, declare under our sole responsibility that the
in vitro diagnostic device:**

Mission[®] Urinalysis Reagent Strips (U031-XX1)

classified as Others in the directive 98/79/EC,

**meets all the provisions of the directive 98/79/EC on *in vitro* diagnostic
medical devices which apply to it**

**The self-declaration is according to Annex III
(excluding Section 6) of the Directive.**

Authorized Representative:
Medical Device Safety Service GmbH
Schiffgraben 41
30175 Hannover, Germany

Signed this 11 day of February, 2020
in San Diego, CA USA



Qiyi Xie, MD, MPH
Senior Staff, Regulatory Affairs & Clinical Affairs
Acon Laboratories, Inc.



Declaration of Conformity

ACON Laboratories, Incorporated
5850 Oberlin Drive, #340
San Diego, CA 92121, USA

**We, the manufacturer, declare under our sole responsibility that the
in vitro diagnostic device:**

Device Name	REF Number	Model Number
Mission® Liquid Urine Control	U021-011	n/a
SPINREACT Liquid Urine Control	U021-013A	n/a
Insight® Liquid Urine Control	U021-015	n/a
Mission® Liquid Diptube Urine Control	U021-071	n/a
Insight® Liquid Diptube Urine Control	U021-075	n/a

classified as Others in the directive 98/79/EC,

**meets all the provisions of the directive 98/79/EC on *in vitro* diagnostic
medical devices which apply to it**

**The self-declaration is according to Annex III
(excluding Section 6) of the Directive.**

Authorized Representative:
Medical Device Safety Service GmbH
Schiffgraben 41
30175 Hannover, Germany

Signed this 22 day of October, 2021
in San Diego, CA, USA



Qiyi Xie, MD, MPH
Senior Staff, Regulatory Affairs & Clinical Affairs
Acon Laboratories, Inc.



Mission[®] Urinalysis Reagent Strips and Urine Analyzers



Obtain reliable and cost-effective results with *Mission*[®] Urinalysis Reagent Strips and Urine Analyzers!

- **Accurate**
- **Reliable**
- **Convenient**



Urinalysis Reagent Strips

Simple and Accurate

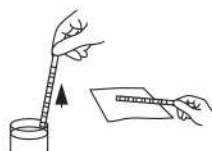
- Analytical sensitivity better than or comparable to market leaders
- High quality color chart ensures accurate visual reading

Flexible

- Compatible for visual and analyzer reading
- Over 35 different combinations available

Multiple Packaging Options and Long Shelf Life

- Canister Packaging
 - Available in 25, 50 and 100 strips per canister
 - 2 year shelf life for unopened canisters which 150 strips per kit without MA/CRE Combo offers cost savings and convenience for high volume testing
 - 3 month shelf life for strips in opened canisters
- Pouch Packaging
 - Individually packaged strips available in kit of 3 or 6 strips for visual reading only (includes 1 color chart)
 - Unique packaging maintains 2 year shelf life for all strips in the kit compared to 3 months for remaining strips in an opened canister



Step 1: Immerse strip into urine

Step 2: Remove excess urine

Step 3: Obtain results by analyzer or visual reading

No.	Catalog No.	No. of Parameters	Type of Strip [§]		Reading Availability				Parameters														
			Visual Reading	Analyzer Reading	Visual	U120	U120 Ultra	U500	ASC	GLU	BIL	KET	SG	BLO	PH	PRO	URO	NIT	LEU	ALB	CRE	CA	
1	U031-141	14	14C√		Yes	Yes	Yes	Yes	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
2	U031-131	13	13CE√		Yes	Yes	Yes	Yes	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
3	U031-111	11	11A√†		Yes	Yes	Yes	Yes	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
4	U031-101	10	10U√x		Yes	Yes	Yes	Yes		*	*	*	*	*	*	*	*	*	*	*	*	*	
5	U031-191	9	9U√x		Yes	Yes	Yes	Yes		*	*	*	*	*	*	*	*	*	*	*	*	*	
6	U031-081	8	8U√x		Yes	Yes	Yes	Yes		*	*	*	*	*	*	*	*	*	*	*	*	*	
7			8N√x		Yes	Yes	Yes	Yes		*		*	*	*	*	*	*	*	*	*	*	*	
8			8S√x		Yes	Yes	No	Yes		*		*	*	*	*	*	*	*	*	*	*	*	*
9			8K√x		Yes	Yes	No	Yes		*	*	*		*	*	*	*	*	*	*	*	*	*
10	U031-071	7	7N√x		Yes	Yes	Yes	Yes		*		*		*	*	*		*	*				
11	U031-061	6	6N√x	6NE√x	Yes	Yes	No	Yes		*				*	*	*		*	*				
12			6U√x	6UE√x	Yes	Yes	No	Yes			*		*	*	*	*	*	*	*				
13	U031-051	5	5B√x	5BE√x	Yes	Yes	No	No		*		*		*	*	*							
14			5N√x	5NE√x	Yes	Yes	Yes	No		*				*	*	*		*	*				
15			5S√x	5SE√x	Yes	Yes	No	No		*			*	*	*	*	*	*	*	*			
16			5U√x	5UE√x	Yes	Yes	No	No			*		*		*		*	*	*	*	*		
17	U031-041	4	4P√x	4PE√x	Yes	Yes	Yes	Yes		*					*		*	*					
18			4S√x	4SE√x	Yes	Yes	Yes	Yes		*		*		*	*	*							
19			4B√x	4BE√x	Yes	Yes	No	No		*			*	*	*	*	*	*	*	*			
20			4K√x	4KE√x	Yes	Yes	Yes	Yes		*		*		*	*	*	*	*	*	*	*		
21			4G√x	4GE√x	Yes	Yes	No	No		*			*	*	*	*	*	*	*	*	*		
22			4N√x	4NE√x	Yes	Yes	No	Yes				*	*	*	*	*	*	*	*	*			
23	U031-031	3	3P√x	3PE√x	Yes	Yes	Yes	Yes		*				*	*	*	*	*	*	*			
24			3K√x	3KE√x	Yes	Yes	Yes	Yes		*		*		*	*	*	*	*	*	*	*		
25			3G√x	3GE√x	Yes	Yes	No	Yes		*		*		*	*	*	*	*	*	*	*		
26			3N√x	3NE√x	Yes	Yes	No	Yes					*	*	*	*	*	*	*	*	*	*	
27	U031-021	2	2G√x	2GE√x	Yes	Yes	Yes	Yes		*				*	*	*	*	*	*	*			
28			2K√x	2KE√x	Yes	Yes	Yes	Yes		*		*		*	*	*	*	*	*	*	*		
29			2N√x	2NE√x	Yes	Yes	Yes	Yes											*	*	*	*	
30			2B√x	2BE√x	Yes	Yes	No	Yes					*	*	*	*	*	*	*	*	*	*	
31			2U√x	2UE√x	Yes	Yes	No	Yes			*					*	*	*	*	*	*	*	
32			2S√x	2SE√x	Yes	Yes	No	Yes				*		*	*	*	*	*	*	*	*	*	
33			2C√	2CE√	Yes	Yes	Yes	Yes					*	*	*	*	*	*	*	*	*		
34	U031-011	1	1B√x	1BE√x	Yes	Yes	No	No					*	*	*	*	*	*	*	*	*	*	
35			1P√x	1PE√x	Yes	Yes	No	No						*	*	*	*	*	*	*	*	*	*
36			1G√x	1GE√x	Yes	Yes	Yes	No			*												
37			1K√x	1KE√x	Yes	Yes	No	No				*											
38			1R√x	1RE√x	Yes	Yes	No	No					*						*	*	*	*	*

§Type of Strip:

Visual Strip Size: 1-6 Parameters: 80 mm x 5 mm; 7-14 Parameters: 108 mm x 5 mm

U120/U500 Strip Size: 1-14 Parameters: 108 mm x 5 mm

*"E" means extended strip length for 1-6 Parameters and exclusive strip length for 13 Parameter

Default Type of Strip (U120/U500): 11A, 10U, 9U and 8N

Standard Black Canisters : Available for 25, 50 and 100 strips; 150 strips per kit without MA/CRE Combo

Pouch: Single-strip pouch available in kit of 3 or 6 for visual reading only

✓ CE Marked for sale in the European Community
 † FDA 510(k) Cleared
 x FDA 510(k) Cleared and CLIA Waived

U120 Urine Analyzer



Accurate

- Up to 120 tests/hour in Continuous Test Option
- Test categories include Routine, STAT and QC
- Automatic calibration for accurate results and easy operation

Reliable

- Can read strips with up to 14 parameters, including Microalbumin/Creatinine/Calcium
- Minimal training required

Convenient Operation

- Saves and recalls the last 2,000 results automatically
- Audible beep signals operator to dip strips in urine
- Can print up to 3 copies per test for convenient reviewing and easy record keeping
- Option to print results on sticker paper for quick and simple record management

Easy Data Management

- Includes RS232C and USB ports for easy data transfer to an external computer or LIS
- Record Operator/Patient ID by Manual Entry and Barcode Reader

Specifications

Features	Specifications
Analyzer Type	Manual
Methodology	Reflectance Photometry
Detection	Photosensitive Diode
Throughput	Single Test Option: 60 tests/hour Continuous Test Option: 120 tests/hour
Test Categories	Routine, STAT and QC
Memory	Last 2,000 results
Strip Incubation Time	1 Minute
Wavelength of Monochromatic LED	525 nm and 635 nm
Default Strips	8, 9, 10, 11 Parameters (108 mm x 5 mm)
Strips Available	1-14 parameters (108 mm x 5 mm); see URS Parameters
Total Combinations Per Analyzer	4 Combinations
Analyzer Ports	RS232C Port for Barcode Reader or Data Transfer USB Port for Data Transfer 25 Pin Parallel Port for External Printer
Data Entry Capabilities	Operator/Patient ID - Manual Entry and Barcode Reader (Up to 20 characters)
Connection Capabilities	Internal Thermal Printer (included) RS232C Barcode Reader (optional) Optional External Printer (not included) USB or RS232C Data Transfer Cable (optional)
Major Readable Barcodes	Code 128, Code 39, Codabar (NW-7), EAN 8, EAN 13, Interleave 25, UPCA, UPCE
Calibration	Automatic
Available Languages on the Screen	English and additional language(s)
Operating Conditions	0-40°C (32-104°F); ≤85% RH
Storage Conditions	-5-50°C (23-122°F); ≤90% RH
Power Source	100-240 VAC, 50-60 Hz
Dimensions (L x W x H)	27.2 cm x 26.9 cm x 14.6 cm (10.7" x 10.6" x 5.7")
Display Dimensions (L x W)	10.8 cm x 5.7 cm (4.2" x 2.2")
Weight	2.6 kg (5.7 lbs) without batteries or power supply

Ordering Information

Product Name	Catalog No.	Components	Kit Box Dimensions (L x W x H) & Weight	Carton Dimensions (L x W x H) & Weight	Number of Kits/Carton
U120 Urine Analyzer	U111-101 ^{√X}	1 Urine Analyzer 1 Strip Holder 2 Printer Paper Rolls	2 Fuses (2.0A) 1 Power Cord 1 Quick Start Guide 1 Instruction Manual	42.0 cm x 41.5 cm x 31 cm; 5.0 kg 16.4" x 16.2" x 12.1"; 176.4 oz	1
U120 Urine Analyzer with Barcode Reader	U111-111 ^{√X}	1 Urine Analyzer 1 Strip holder 2 Printer Paper Rolls 1 Barcode Reader (RS232C)	2 Fuses (2.0A) 1 Power Cord 1 Serial Splitter Cable (RS232C) 1 Quick Start Guide 1 Instruction Manual	44.5cm x 44.5cm x 40.0cm; 5.5 kg 17.5" x 17.5" x 15.7"; 194 oz	1
Barcode Reader	U221-111 ^{√X}	1 Barcode Reader (RS232C)	1 Serial Splitter Cable (RS232C)	23.6 cm x 10.8 cm x 7.8 cm; 0.482 kg 9.3" x 4.3" x 3.1"; 17.0 oz 63.0 cm x 37.0 cm x 30.0 cm; 12.0 kg 24.8" x 14.6" x 11.8"; 423.3 oz	22
Printer Paper Rolls	U121-101	4 Printer Paper Rolls	Thermal Paper (0.06 m x 20 m): 200 results/roll Sticker Paper (0.06 m x 9 m): 100 results/roll	12.0 cm x 12.0 cm x 6.5 cm; 0.36kg 4.7" x 4.7" x 2.6"; 12.7oz 63.0 cm x 37.0 cm x 30.0 cm; 19.4 kg 24.8" x 14.6" x 11.8"; 684.3 oz 12.0 cm x 12.0 cm x 6.5 cm; 0.4 kg 4.7" x 4.7" x 2.6"; 14.1 oz 63.0 cm x 37.0 cm x 30.0 cm; 21.4 kg 24.8" x 14.6" x 11.8"; 684.3 oz; 754.9 oz	50
U120 Data Transfer Kit	U221-131 ^{√X}	1 Data Transfer Cable (RS232C)	1 Package Insert	16.0 cm x 13.0 cm x 3.5 cm; 0.147 kg 6.3" x 5.1" x 1.4"; 5.2 oz 25.0 cm x 21.0 cm x 15.0 cm; 1.36 kg 9.8" x 8.3" x 5.9"; 48.0 oz	8

✓ CE Marked for sale in the European Community 

X FDA 510(k) Cleared and CLIA Waived

U120 Ultra Urine Analyzer



Easy to Operate

- Large color touchscreen LCD for simple menu navigation
- Work List and Help Menu available for specimen review and troubleshooting
- Powered by AC adaptor or 6 AA batteries for easy portability
- Up to 2,000 patient memory and 800 Operator ID storage
- Ability to select Time Logout between 1-99 with minutes or hours option

Accurate and Efficient

- Advanced CMOS Image Sensor ensures accurate readings
- Can read strips with up to 14 parameters, including Microalbumin, Creatinine and Calcium
- Option to edit test number sequence, or skip then return to specific test numbers
- Ability to edit abnormal results

Simple Data Transfer

- Immediate transmission of LIS data using Bluetooth, LAN or WLAN
- Ability to update software with SD card or USB flash drive

Unique Lockout Functions

- Strip Lockout
 - Pre-set option to prevent using strips of another brand, with a barcode reader or by manual entry
- User Lockout
 - Option to eliminate unapproved users with up to 800 operators
- QC Lockout
 - Prevents testing without passing QC
 - If QC tests fail, analyzer will switch to STAT mode and list "E" at the end of each test number

Specifications

Feature	Specifications
Analyzer Type	Manual
Methodology	Reflectance Photometry
Detection	CMOS Image Sensor
Throughput	Single Test Option: 55 tests/hour; Continuous Test Option: 120 tests/hour
Test Modes	Quick Test Mode, Full Test Mode and Customized Test Mode
Test Category	Routine, STAT and QC
Lockout Functions	Strip Lockout: Available Upon Request; User/QC Lockout: Included with option to turn ON/OFF
Memory	Last 2,000 Records
Strip Incubation Time	1 Minute
Wavelength	390 nm - 770 nm
Strips Available	1-14 parameters (108 mm x 5 mm); see URS Parameters
Parameter Order	Can select the order of parameters for display and print out
Total Combinations Per Analyzer	Over 15 Combinations
Analyzer Ports	RS232C Port for Barcode Reader or Data Transfer and External Printer USB Ports for Keyboard or Data Transfer
Data Entry Capabilities	Operator ID, Patient ID/Name - Manual Entry and Barcode Reader (Up to 20 characters) Urine Color and Clarity, Strip Lot Number, and Expiration Date - Manual Entry
Connection Capabilities	Internal Thermal Printer (included) Bluetooth (included) Bluetooth Adaptor (optional) RS232C Barcode Reader (optional) USB or RS232C Data Transfer Cable (optional) SD Card or USB flash drive for Software Update (optional) Ethernet via USB to RJ45 Adaptor (optional) Keyboard (not included) Optional External Printer (not included)
Major Readable Barcodes	Code 39 EAN 8 French Pharmacode Matrix 25 RSS Code 93 EAN 13 Industrial 25 MSI Telepen Code 128 EAN 128 Interleave 25 Plessey UPCA Codabar (NW-7) Italy Pharmacode UPCE
Screen Type	Large color touch screen LCD (12 cm x 9 cm)
LIS Interface	Formatted and compatible with HL-7 compliant, ACON standard interface, S interface, D interface, U interface and R interface for downloading of LIS data
Calibration	Automatic
Available Languages on the Screen	More than 10 languages available, including English
Analyzer Operating Conditions	0-40°C (32-104°F); 5%-85% RH
System Operating Conditions	15-30°C (59-86°F); 20%-80% RH
Storage Conditions	-5-50°C (23-122°F); ≤90% RH
Power Source	100-240 VAC, 45-65 Hz; 6 AA Alkaline Batteries
Line Leakage Current	0.5 mA
Dimensions (L x W x H)	26 cm x 15 cm x 18 cm (10" x 6" x 7")
Display Dimensions (L x W)	12 cm x 9 cm (5" x 4")
Weight	1.7 kg (3.7 lb) without batteries or power supply

Ordering Information

Product Name	Catalog No.	Components	Kit Box Dimensions (L x W x H) & Weight	Carton Dimensions (L x W x H) & Weight	Number of Kits/Carton	
U120 Ultra Urine Analyzer	U114-101 ✓	1 Urine Analyzer 2 Test Tables 2 Test Table Inserts 2 Printer Paper Rolls	1 Power Cord and Supply Adapter 1 Brush 1 Quick Start Guide 1 Instruction Manual	40 cm x 39 cm x 36 cm; 4 kg	1	
				16" x 15" x 14"; 141 oz		
U120 Ultra Urine Analyzer with Barcode Reader	U114-111 ✓	1 Urine Analyzer 2 Test Tables 2 Test Table Inserts 2 Printer Paper Rolls 1 Barcode Reader (RS232C)	1 Power Cord and Supply Adapter 1 Brush 1 Quick Start Guide 1 Instruction Manual	40 cm x 39 cm x 36 cm; 4 kg	1	
				16" x 15" x 14"; 141 oz		
Barcode Reader	U124-111 ✓	1 Barcode Reader (RS232C)		23.6 cm x 10.8 cm x 7.8 cm; 0.36 kg	22	
				9.3" x 4.3" x 3.1"; 17.0 oz		
Printer Paper Rolls	U121-101	4 Printer Paper Rolls	Thermal Paper (0.06 m x 20 m): 200 results/roll	12.0 cm x 12.0 cm x 6.5 cm; 0.36 kg	50	
				4.7" x 4.7" x 2.6"; 12.7oz		24.8" x 14.6" x 11.8"; 684.3 oz
			Sticker Paper (0.06 m x 9 m): 100 results/roll	12.0 cm x 12.0 cm x 6.5 cm; 0.4 kg		63.0 cm x 37.0 cm x 30.0 cm; 21.4 kg
			4.7" x 4.7" x 2.6"; 14.1 oz	24.8" x 14.6" x 11.8"; 684.3 oz; 754.9 oz		
U120 Ultra Data Transfer Kit	U124-131 ✓	1 Data Transfer Cable (RS232C) 1 Package Insert		16.0 cm x 13.0 cm x 3.5 cm; 0.147 kg	8	
				6.3" x 5.1" x 1.4"; 5.2 oz		9.8" x 8.3" x 5.9"; 48.0 oz

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U500 Urine Analyzer



Accurate and Efficient

- Up to 500 tests/hour for medium/large volume sample testing
- Professional accuracy equivalent to market leader
- Automatic strip detection and alignment for better efficiency
- Test categories include Routine, STAT and QC

Easy to Operate

- Large touch screen LCD offers simple menu navigation
- Uniquely designed strip platform/waste tray unit for easy one-step cleaning

Convenient

- Automatic calibration and waste disposal reduce hands-on time
- Can read strips with up to 14 parameters, including Microalbumin/Creatinine/Calcium
- Strip selection of up to 4 combinations for analyzer reading
- Stores up to 2,000 records and automatically flags abnormal results
- Capable of printing results on sticker paper for quick and easy record management

Data Management Capability

- Includes RS232C port for easy data transfer to an external computer or LIS
- Record Operator/Patient ID by Manual Entry and Barcode Reader

Unique Lockout Functions

- Strip Lockout
 - Pre-set option to prevent using strips of another brand, with a barcode reader or by manual entry
- User Lockout
 - Option to eliminate unapproved users with up to 10 operators
- QC Lockout
 - Prevents testing without passing QC
 - If QC tests fail, analyzer will switch to STAT mode and list "E" at the end of each test number

Specifications

Feature	Specifications
Analyzer Type	Semi-Automatic
Methodology	Reflectance Photometry
Detection	Photosensitive Diode
Throughput	500 tests/hour (Measuring cycle: 7 seconds/test)
Test Categories	Routine, STAT and QC
Lockout Functions	Strip Lockout: Available Upon Request; User/QC Lockout: Included with option to turn ON/OFF
Memory	Last 2,000 Records
Strip Incubation Time	1 Minute
Wavelength	525 and 635 nm
Default Strips	8, 9, 10, 11 Parameters (108 mm x 5 mm)
Strips Available	1-14 parameters (108 mm x 5 mm); see URS Parameters
Parameter Order	Can select the order of parameters for display and print out
Total Combinations Per Analyzer	4 Combinations
Waste Disposal Capacity	Up to 150 Strips
Analyzer Ports	RS232C Port for Barcode Reader or Data Transfer 25 Pin Parallel Port for External Printer
Data Entry Capabilities	Operator/Patient ID - Manual Entry and Barcode Reader (Up to 25 characters)
Connection Capabilities	Internal Thermal Printer (included) RS232C Barcode Reader (optional) Optional External Printer (not included) RS232C Data Transfer Cable (optional)
Major Readable Barcodes	Code 128, Code 39, Codabar (NW-7), EAN 8, EAN 13, Interleave 25, UPCA, UPC-E
Calibration	Automatic
Available Languages on the Screen	English and additional language(s)
Operating Conditions	0-40°C (32-104°F); ≤85% RH
Storage Conditions	-5-50°C (23-122°F); ≤90% RH
Power Source	100-240 VAC, 50-60 Hz
Dimensions (L x W x H)	36.6 cm x 28.3 cm x 19.5cm (14.4" x 11.1" x 7.7")
Display Dimensions (L x W)	11.5 cm x 9.0 cm (4.5" x 3.5")
Weight	4.0 kg (8.8 lbs) without batteries or power supply

Ordering Information

Product Name	Catalog No.	Components	Kit Box Dimensions (L x W x H) & Weight	Carton Dimensions (L x W x H) & Weight	Number of Kits/Carton
U500 Urine Analyzer	U211-101 [†]	1 Urine Analyzer 1 Strip Platform/Waste Tray 2 Printer Paper Rolls	2 Fuses (2.0A) 1 Power Cord 1 Instruction Manual	51.0 cm x 42.0 cm x 38.5 cm; 7 kg 20.1" X 16.5" x 15.2"; 246.9 oz	1
U500 Urine Analyzer with Barcode Reader	U211-111 [†]	1 Urine Analyzer 1 Strip Platform/Waste Tray 2 Printer Paper Rolls 1 Barcode Reader (RS232C)	2 Fuses (2.0A) 1 Power Cord 1 Serial Splitter Cable (RS232C) 1 Instruction Manual	55.0 cm x 55.0 cm x 55.0cm; 9.2 kg 21.7" x 21.7" x 21.7"; 324.5 oz	1
Barcode Reader	U221-111 [†]	1 Barcode Reader (RS232C)	1 Serial Splitter Cable (RS232C)	23.6 cm x 10.8 cm x 7.8 cm; 0.482 kg 9.3" x 4.3" x 3.1"; 17.0 oz	22
Printer Paper Rolls	U121-101	4 Printer Paper Rolls	Thermal Paper (0.06 m x 20 m): 200 results/roll Sticker Paper (0.06 m x 9 m): 100 results/roll	12.0 cm x 12.0 cm x 6.5 cm; 0.360 kg 4.7" x 4.7" x 2.6"; 12.7oz 63.0 cm x 37.0 cm x 30.0 cm; 19.4 kg 24.8" x 14.6" x 11.8"; 684.3 oz 12.0 cm x 12.0 cm x 6.5 cm; 0.40 kg 4.7" x 4.7" x 2.6"; 14.1oz 63.0 cm x 37.0 cm x 30.0 cm; 21.4 kg 24.8" x 14.6" x 11.8"; 684.3 oz; 754.9 oz	50
U500 Data Transfer Kit	U221-131 [†]	1 Data Transfer Cable (RS232C)	1 Package Insert	16.0 cm x 13.0 cm x 3.5 cm; 0.147kg 6.3" x 5.1" x 1.4"; 5.2 oz	8

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 † FDA 510(k) Cleared

Urine Controls

Reliable

- Use with *Mission*[®] and *Mission*[®] *Expert* Urinalysis Reagent Strips and Urine Analyzers for optimum quality control
- Validate urinalysis results and prevent procedure errors

Quick and Convenient Testing

- Ensures accurate results for all parameters
- Obtain quick results in any setting
- Competitively priced

Two Types of Urine Controls Available

Liquid Urine Control

- Ready to use without dissolving in distilled water
- 24 months shelf life for unopened controls at 2-8°C
- Two Packaging Options
 - Dropper Tip Bottles
 - Dropper tip bottles provide efficient use of the control solution
 - Easily drop the control solution onto each reagent pad using the dropper tip bottle
 - Controls can be used up to 40 times within 30 days at room temperature
 - Diptubes
 - Diptube packaging allows for quick testing similar to using a urine specimen
 - Simply dip the strip into the control solution and read results
 - Controls can be used up to 20 times within 30 days at room temperature

Dry Strip Urine Control

- Portable for use anywhere with no refrigeration required
- Dissolve the dry strip urine control in distilled water, dip urine strip in the control solution, then compare to color chart
- Each control solution can be used for up to 12 tests at 2-30°C within 8 hours for all parameters
- 24 months shelf life at 2-30°C for unopened controls

Specifications

Features	Specifications		
Product Name	Liquid Urine Control	Liquid Diptube Urine Control	Dry Strip Urine Control
Test Parameters	LEU, NIT, URO, PRO, pH, BLO, SG, KET, BIL, GLU, ASC, ALB, CRE, CA (13)		
Solution Detection Levels	Level 1	Negative: LEU, NIT, URO, PRO, pH, BLO, SG, KET, BIL, GLU, ASC, ALB, CRE, CA	
	Level 2	Positive: LEU, NIT, URO, PRO, pH, BLO, SG, KET, BIL, GLU, ALB CRE, CA and Negative ASC	
Compatible Urine Strips	<i>Mission</i> [®] Urinalysis Reagent Strips, <i>Mission</i> [®] <i>Expert</i> Urinalysis Reagent Strips		
Reading Time/Stability	Refer to insert	Refer to insert	Refer to insert
Storage Temperature	2-8°C	2-8°C	2-30°C
Unopened Control Shelf Life	24 months	24 months	24 months
Opened Control Stability	30 days at 15-30°C or until the expiration date at 2-8°C	30 days at 15-30°C or until the expiration date at 2-8°C	2-30°C: 3 months for Dry Strip; 8 hours for Control Solution for all parameters
Maximum Tests per Unit	20 or 40 tests/bottle	20 tests/diptube	12 tests/control solution of 1 dry strip

Ordering Information

Product Name	Catalog No.	Components	Kit Box Dimensions (LxWxH) & Weight	Carton Dimensions (LxWxH) & Weight	# Kits/Carton
Liquid Urine Control ✓X	U021-011	Level 1: 3 x 10 mL/bottle; Level 2: 3 x 10 mL/bottle	85 mm x 55 mm x 60 mm; 107 g	400 mm x 270 mm x 345 mm; 5.2 kg	198
		Level 1: 3 x 5 mL/bottle; Level 2: 3 x 5 mL/bottle	85 mm x 55 mm x 60 mm; 75 g	400 mm x 270 mm x 345 mm; 4.2 kg	198
		Level 1: 1 x 10 mL/bottle; Level 2: 1 x 10 mL/bottle	55 mm x 28 mm x 60 mm; 41 g	400 mm x 270 mm x 345 mm; 6.6 kg	228
		Level 1: 1 x 5 mL/bottle; Level 2: 1 x 5 mL/bottle	55 mm x 28 mm x 60 mm; 31 g	400 mm x 270 mm x 345 mm; 5.5 kg	228
Liquid Diptube Urine Control ✓X	U021-071	Level 1: 2 x 12 mL/diptube; Level 2: 2 x 12 mL/diptube	130 mm x 55 mm x 55 mm; 101 g	385 mm x 255 mm x 320 mm; 4.7 kg	30
		Level 1: 1 x 12 mL/diptube; Level 2: 1 x 12 mL/diptube	130 mm x 55 mm x 55 mm; 62 g	385 mm x 255 mm x 320 mm; 3.5 kg	30
Dry Strip Urine Control ✓X	U021-041	Level 1: 1 x 25 strips/canister; Level 2: 1 x 25 strips/canister	100 mm x 51 mm x 110 mm; 126 g	280 mm x 280 mm x 260 mm; 3.6 kg	24
		Level 1: 1 x 10 strips/canister; Level 2: 1 x 10 strips/canister	100 mm x 51 mm x 110 mm; 106 g	280 mm x 280 mm x 260 mm; 3.1 kg	24

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Mission[®] Urinalysis Reagent Strips Visual Reading

Analyte	Level 1 (Lot#17110079)			Level 2 (Lot#17100429)			Level 1 (14C and 13CE) (Lot#17110079)			Level 2 (14C and 13CE) (Lot#17100429)		
	Conventional	SI	Arbitrary	Conventional	SI	Arbitrary	Conventional	SI	Arbitrary	Conventional	SI	Arbitrary
Leukocytes (LEU)	Negative	Negative	-	15-500 Leu/µL	15-500 Leu/µL	+/- - 3+	Negative	Negative	-	15-500 Leu/µL	15-500 Leu/µL	+/- - 3+
Nitrite (NIT)	Negative	Negative	-	Positive	Positive	+	Negative	Negative	-	Positive	Positive	+
Urobilinogen (URO)	0.2 - 1mg/dL	3.5 - 17µmol/L	- ±	2 - 12 mg/dL	35 - 200µmol/L	1+ - 4+	0.2 - 1 mg/dL	3.5 - 17µmol/L	- ±	2 - 12 mg/dL	35 - 200µmol/L	1+ - 4+
Protein (PRO)	Negative	Negative	-	30 - 2000mg/dL	0.3 - 20.0g/L	1+ - 4+	Negative	Negative	-	30 - 2000mg/dL	0.3 - 20.0g/L	1+ - 4+
pH	5.0 - 7.0	5.0 - 7.0	5.0 - 7.0	6.5 - 9.0	6.5 - 9.0	6.5 - 9.0	5.0 - 7.0	5.0 - 7.0	5.0 - 7.0	6.5 - 9.0	6.5 - 9.0	6.5 - 9.0
Blood (BLO)	Negative	Negative	-	25 - 200 Ery/µL	25 - 200 Ery/µL	1+ - 3+	Negative	Negative	-	25 - 200 Ery/µL	25 - 200 Ery/µL	1+ - 3+
Specific Gravity (SG)	1.015 - 1.030	1.015 - 1.030	1.015 - 1.030	1.005 - 1.025	1.005 - 1.025	1.005 - 1.025	1.015 - 1.030	1.015 - 1.030	1.015 - 1.030	1.005 - 1.025	1.005 - 1.025	1.005 - 1.025
Ketone (KET)	Negative	Negative	-	5 - 160mg/dL	0.5-16.0mmol/L	± - 4+	Negative	Negative	-	5-160mg/dL	0.5-16.0mmol/L	± - 4+
Bilirubin (BIL)	Negative	Negative	-	1 - 4 mg/dL	17 - 70µmol/L	1+ - 3+	Negative	Negative	-	1 - 6 mg/dL	17 - 100µmol/L	1+ - 3+
Glucose (GLU)	Negative	Negative	-	100-1000mg/dL	5 - 60mmol/L	± - 3+	Negative	Negative	-	100-1000mg/dL	5 - 60mmol/L	1+ - 4+
Ascorbic Acid (ASC)	Negative	Negative	-	Negative	Negative	-	Negative	Negative	-	Negative	Negative	-
Microalbumin (ALB)	10 - 30mg/L	10 - 30mg/L	10 - 30mg/L	80 - 150mg/L	80 - 150mg/L	80 - 150mg/L	10 - 30mg/L	10 - 30mg/L	10 - 30mg/L	80 - 150mg/L	80 - 150mg/L	80 - 150mg/L
Creatinine (CRE)	10 - 100mg/dL	0.9-8.8mmol/L	10 - 100mg/dL	100 - 300mg/dL	8.8-26.5mmol/L	100 - 300mg/dL	10 - 100mg/dL	0.9-8.8mmol/L	10 - 100mg/dL	100 - 300mg/dL	8.8-26.5mmol/L	100 - 300mg/dL
Albumin-to-Creatinine Ratio	Normal	Normal	Normal	Abnormal	Abnormal	Abnormal	NA	NA	NA	NA	NA	NA
Protein-to-Creatinine Ratio	Normal	Normal	Normal	Abnormal	Abnormal	Abnormal	Normal	Normal	Normal	Abnormal	Abnormal	Abnormal
Calcium (CA)	4 - 10mg/dL	1.0-2.5mmol/L	4 - 10mg/dL	20 - 40mg/dL	5.0-10mmol/L	20 - 40mg/dL	4 - 10mg/dL	1.0-2.5mmol/L	4 - 10mg/dL	20 - 40mg/dL	5.0-10mmol/L	20 - 40mg/dL

Mission[®] Urinalysis Reagent Strips Analyzer Reading with Mission[®] U120/U500/U120 Ultra*

Analyte	Level 1 (Lot#17110079)			Level 2 (Lot#17100429)			Level 1 (14C and 13CE) (Lot#17110079)			Level 2 (14C and 13CE) (Lot#17100429)		
	Conventional	SI	Arbitrary	Conventional	SI	Arbitrary	Conventional	SI	Arbitrary	Conventional	SI	Arbitrary
Leukocytes (LEU)	Negative	Negative	-	15-500 Leu/µL	15-500 Leu/µL	+/- - 3+	Negative	Negative	-	15-500 Leu/µL	15-500 Leu/µL	+/- - 3+
Nitrite (NIT)	Negative	Negative	-	Positive	Positive	+	Negative	Negative	-	Positive	Positive	+
Urobilinogen (URO)	0.2 - 1mg/dL	3.5 - 17µmol/L	- ±	2 - 8 mg/dL	35 - 140µmol/L	1+ - 3+	0.2 - 1 mg/dL	3.5 - 17µmol/L	- ±	2 - 8 mg/dL	35 - 140µmol/L	1+ - 3+
Protein (PRO)	Negative	Negative	-	30 - 300mg/dL	0.3 - 3.0g/L	1+ - 3+	Negative	Negative	-	30 - 300mg/dL	0.3 - 3.0g/L	1+ - 3+
pH	5.0 - 7.0	5.0 - 7.0	5.0 - 7.0	6.5 - 9.0	6.5 - 9.0	6.5 - 9.0	5.0 - 7.0	5.0 - 7.0	5.0 - 7.0	6.5 - 9.0	6.5 - 9.0	6.5 - 9.0
Blood (BLO)	Negative	Negative	-	25 - 200 Ery/µL	25 - 200 Ery/µL	1+ - 3+	Negative	Negative	-	25 - 200 Ery/µL	25 - 200 Ery/µL	1+ - 3+
Specific Gravity (SG)	1.015 - 1.030	1.015 - 1.030	1.015 - 1.030	1.005 - 1.025	1.005 - 1.025	1.005 - 1.025	1.015 - 1.030	1.015 - 1.030	1.015 - 1.030	1.005 - 1.025	1.005 - 1.025	1.005 - 1.025
Ketone (KET)	Negative	Negative	-	5 - 80mg/dL	0.5-8.0mmol/L	± - 3+	Negative	Negative	-	5-80mg/dL	0.5-8.0mmol/L	± - 3+
Bilirubin (BIL)	Negative	Negative	-	1 - 4 mg/dL	17 - 70µmol/L	1+ - 3+	Negative	Negative	-	1 - 6 mg/dL	17 - 100µmol/L	1+ - 3+
Glucose (GLU)	Negative	Negative	-	100-1000mg/dL	5 - 60mmol/L	± - 3+	Negative	Negative	-	100-1000mg/dL	5 - 60mmol/L	1+ - 4+
Ascorbic Acid (ASC)	Negative	Negative	-	Negative	Negative	-	Negative	Negative	-	Negative	Negative	-
Microalbumin (ALB)	10 - 30mg/L	10 - 30mg/L	10 - 30mg/L	80 - 150mg/L	80 - 150mg/L	80 - 150mg/L	10 - 30mg/L	10 - 30mg/L	10 - 30mg/L	80 - 150mg/L	80 - 150mg/L	80 - 150mg/L
Creatinine (CRE)	10 - 100mg/dL	0.9-8.8mmol/L	10 - 100mg/dL	100 - 300mg/dL	8.8-26.5mmol/L	100 - 300mg/dL	10 - 100mg/dL	0.9-8.8mmol/L	10 - 100mg/dL	100 - 300mg/dL	8.8-26.5mmol/L	100 - 300mg/dL
Albumin-to-Creatinine Ratio	Normal	Normal	Normal	Abnormal	Abnormal	Abnormal	NA	NA	NA	NA	NA	NA
Protein-to-Creatinine Ratio	Normal	Normal	Normal	Abnormal	Abnormal	Abnormal	Normal	Normal	Normal	Abnormal	Abnormal	Abnormal
Calcium (CA)	4 - 10mg/dL	1.0-2.5mmol/L	4 - 10mg/dL	20 - 40mg/dL	5.0-10mmol/L	20 - 40mg/dL	4 - 10mg/dL	1.0-2.5mmol/L	4 - 10mg/dL	20 - 40mg/dL	5.0-10mmol/L	20 - 40mg/dL

Mission[®] Expert Urinalysis Reagent Strips Visual Reading

Analyte	Level 1 (Lot#17110079)			Level 2 (Lot#17100429)		
	Conventional	SI	Arbitrary	Conventional	SI	Arbitrary
Ascorbic Acid (ASC)	Negative	Negative	-	Negative	Negative	-
Blood (ERY, Hb)	Negative	Negative	-	Ca 25 - Ca 250 Ery/µl	Ca 25 - Ca 250 Ery/µl	2+ - 4+
Bilirubin (BIL)	Negative	Negative	-	1 - 6 mg/dL	17 - 100µmol/L	1+ - 3+
Urobilinogen (URO)	0.2 mg/dL	3.5 µmol/L	-	4 - 12 mg/dL	70 - 200 µmol/L	2+ - 4+
Ketone Bodies (KET)	Negative	Negative	-	10 - 150 mg/dL	1.0 - 15.0 mmol/L	1+ - 3+
Glucose (GLU)	Negative	Negative	-	100 - 1000 mg/dL	5.5 - 56 mmol/L	2+ - 4+
Protein (PRO)	Negative	Negative	-	30 - 500 mg/dL	0.3 - 5.0 g/L	1+ - 3+
Nitrite (NIT)	Negative	Negative	-	Positive	Positive	+
Leukocytes (LEU)	Negative	Negative	-	ca. 10-25 - ca. 500 Leu/µl	ca. 10-25 - ca. 500 Leu/µl	1+ - 3+
pH	5.0 - 7.0	5.0 - 7.0	5.0 - 7.0	7.0 - 9.0	7.0 - 9.0	7.0 - 9.0
Specific Gravity (SG)	1.015 - 1.030	1.015 - 1.030	1.015 - 1.030	1.005 - 1.025	1.005 - 1.025	1.005 - 1.025
Microalbumin (ALB)	10 - 30 mg/L	10 - 30mg/L	10 - 30 mg/L	80 - 150 mg/L	80 - 150 mg/L	80 - 150 mg/L
Creatinine (CRE)	10 - 100 mg/dL	0.9 - 8.8 mmol/L	10 - 100 mg/dL	100 - 300 mg/dL	8.8 - 26.5 mmol/L	100 - 300 mg/dL
Albumin-to-Creatinine Ratio	Normal	Normal	Normal	Abnormal	Abnormal	Abnormal
Protein-to-Creatinine Ratio	Normal	Normal	Normal	Abnormal	Abnormal	Abnormal

Mission[®] Expert Urinalysis Reagent Strips Analyzer Reading with Mission[®] Expert U120/U500*

Analyte	Level 1 (Lot#17110079)			Level 2 (Lot#17100429)		
	Conventional	SI	Arbitrary	Conventional	SI	Arbitrary
Ascorbic Acid (ASC)	Negative	Negative	-	Negative	Negative	-
Blood (ERY, Hb)	Negative	Negative	-	25 - 250 Ery/µl	25 - 250 Ery/µl	2+ - 5+
Bilirubin (BIL)	Negative	Negative	-	1 - 6 mg/dL	17 - 100 µmol/L	1+ - 3+
Urobilinogen (URO)	0.2 mg/dL	3.5 µmol/L	-	4 - 12 mg/dL	70 - 200 µmol/L	2+ - 4+
Ketone Bodies (KET)	Negative	Negative	-	15 - 150 mg/dL	1.5 - 15.0 mmol/L	2+ - 4+
Glucose (GLU)	Negative	Negative	-	100 - 1000 mg/dL	5.5 - 56 mmol/L	2+ - 4+
Protein (PRO)	Negative	Negative	-	25 - 500 mg/dL	0.25 - 5.0 g/L	1+ - 4+
Nitrite (NIT)	Negative	Negative	-	Positive	Positive	+
Leukocytes (LEU)	Negative	Negative	-	25 - 500 Leu/µl	25 - 500 Leu/µl	1+ - 3+
pH	5.0 - 7.0	5.0 - 7.0	5.0 - 7.0	6.5 - 9.0	6.5 - 9.0	6.5 - 9.0
Specific Gravity (SG)	1.015 - 1.030	1.015 - 1.030	1.015 - 1.030	1.005 - 1.025	1.005 - 1.025	1.005 - 1.025
Microalbumin (ALB)	10 - 30 mg/L	10 - 30 mg/L	10 - 30 mg/L	80 - 150 mg/L	80 - 150 mg/L	80 - 150mg/L
Creatinine (CRE)	10 - 100 mg/dL	0.9 - 8.8 mmol/L	10 - 100 mg/dL	100 - 300 mg/dL	8.8 - 26.5 mmol/L	100 - 300mg/dL
Albumin-to-Creatinine Ratio	Normal	Normal	Normal	Abnormal	Abnormal	Abnormal
Protein-to-Creatinine Ratio	Normal	Normal	Normal	Abnormal	Abnormal	Abnormal

*The U120 QC set-up screen recognizes only arbitrary values (LCD0187-05)

For validating visual and analyzer reading of urinalysis.
For in vitro diagnostic use only.

INTENDED USE

The Liquid Urine Control is intended for use in validating the visual and analyzer reading of urinalysis. The results should be compared to the expected results listed below to ensure the consistent performance of Mission® and Mission® Expert Urinalysis Reagent Strips and Urine Analyzers. The Liquid Urine Control is available in two levels and is ready to use for monitoring routine urinalysis.

PRECAUTIONS

- For in vitro diagnostic use only. Do not use after the expiration date.
- All materials should be considered potentially hazardous and handled in the same manner as an infectious agent.
- Discard if there is excessive turbidity or evidence of microbial contamination.
- The used materials should be discarded according to local regulations after testing.
- This product is not intended for use as a standard.
- The use of quality control materials is an important part of good laboratory practices. Quality control materials are an objective method of assessing techniques or practices in use.

REAGENTS

The product is a liquid stable control prepared from simulated human urine with added chemicals, constituents of animal origin, preservatives and stabilizers. The control does not include human resource materials. Various pure chemicals are used to adjust each analyte level.

STORAGE AND STABILITY

- Store and ship at 2-8°C (36-46°F). Do not freeze.
- Controls are stable until the expiration date printed on the bottle label when stored at 2-8°C (36-46°F).
- All analytes are stable for 30 days at 15-30°C (59-86°F) or until the expiration date at 2-8°C (36-46°F) once opened and stored with the cap on tightly.

MATERIALS

Materials Provided

- Package Insert

Materials Required But Not Provided

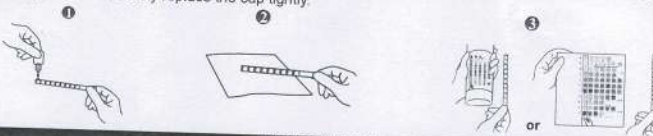
- Timer

- Liquid Urine Control Level 1 and/or Level 2
- Strips

DIRECTIONS FOR USE

Allow all test materials to reach room temperature (15-30°C or 59-86°F) prior to testing.

- Invert the urine control bottle 3 times to ensure reproducible results, then remove the cap. While holding the urinalysis reagent strip, invert the urine control bottle and gently squeeze the urine control bottle to dispense the urine control. Ensure each reagent area on urinalysis reagent strip is completely saturated with urine control. See illustration 1 below.
 - Note:
 - Do not touch the tip of the urine control bottle to the reagent areas on the urinalysis reagent strip to avoid contamination.
 - Dispense the remaining hanging drop of urine control before turning the urine control bottle upright.
- Hold the strip in a horizontal position to avoid contaminating the unused control with reagents from the urinalysis reagent strip, mixing chemicals from adjacent reagent areas and/or soiling hands with the urine control. See illustration 2 below.
- Compare the reagent areas to the corresponding color blocks on the color chart at the specified times. Hold the strip close to the color blocks and match carefully. See illustration 3 below.
 - Note:
 - Results may be read up to 2 minutes after the specified times.
 - Results may also be read using the Mission® and Mission® Expert Urine Analyzers. Refer to the Instruction Manual for details.
- Clean the dropper tip, and immediately replace the cap tightly.



EXPECTED VALUES

The expected values listed on the following page should only be used for the specific lots printed. Expected values were obtained from replicate analysis. The urine control and urinalysis reagent strip lots can create slight differences in expected results. Different laboratory methods, instruments and reagents can create variations between laboratories and variations over time. Use the results provided as reference only. It is recommended that each laboratory establish its own parameters of precision.

Note: The color reactions of Urobilinogen and Bilirubin reagent areas on the urinalysis reagent strips may produce colors that are atypical when visually compared to the color blocks on the color chart.

LIMITATIONS

The Mission® Liquid Urine Control can only be used with Mission® and Mission® Expert Urinalysis Reagent Strips and Urine Analyzers. Ensure reproducible results by inverting the urine control bottle 3 times before each use. Interpretation of visual results depends on several factors: the variability of color perception, the presence or absence of inhibitory factors, and the lighting conditions when the strip is read. Each color block on the color chart does not correspond to a specific concentration, but it does correspond to a range of analyte concentrations.

Index of Symbols

	Consult instructions for use		Tests per kit		Manufacturer
	For in vitro diagnostic use only		Use by		Authorized Representative
	Store between 2-8°C		Lot Number		Catalog #

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Effective date: 2013-02-16

