

# 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, 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)	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 <sup>†</sup>	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 <sup>†</sup>	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 <sup>†</sup>	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 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; 0.360 kg 4.7" x 4.7" x 2.6"; 12.7 oz	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	50
U500 Data Transfer Kit	U221-131 <sup>†</sup>	1 Data Transfer Cable (RS232C)	1 Package Insert	12.0 cm x 12.0 cm x 6.5 cm; 0.40 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	8
				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	

✓ CE Marked for sale in the European Community **CE**  
 † FDA 510(k) Cleared

# **Mission**<sup>®</sup> 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

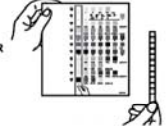
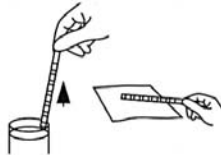
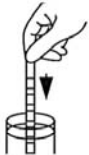
- Analytical sensitivity better than or comparable to market leaders
- High quality color chart ensures accurate visual reading

## 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 <sup>5</sup>		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 <sup>√X</sup>	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 <sup>√X</sup>	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 <sup>√X</sup>	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 <sup>√X</sup>	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