

# HumaCombilyzer

## SPECIFICATIONS

- › System Specifications
- › Scope of Supply
- › Obligatory items
- › Optional items



### System Overview

REF	17630
Analyzer type	Reflectance photometer
Reagent system	Closed system via barcode
# of Parameters	13
Throughput	50 tests per hour
Barcode reader	External - optional
Languages available	English, Spanish, Chinese More to come.
Display/User interface	320 x 240 px colour touchscreen
Handheld use	Runs on 4 x AA batteries (optional)

**Human**

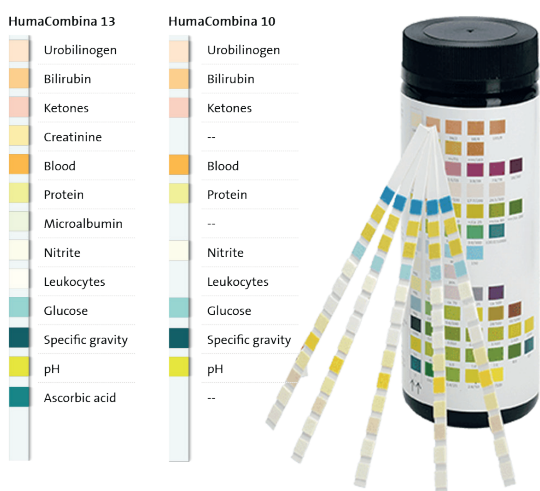
Diagnostics Worldwide

# HumaCombilyzer

## Semi-automated urine test strip reader

### Tests

<b>Description</b>	Multiparameter reagent strips, HumaCombina 13 (REF 22130) and HumaCombina 10 (REF 22100)
<b>Parameters</b>	Ascorbic acid, bilirubin, blood (hemoglobin, erythrocytes), creatinine, glucose, ketones, leukocytes, microalbumin, nitrite, pH, protein, specific gravity, urobilinogen
<b>Shelf life (strips)</b>	24 months
<b>Stability (after first opening)</b>	One month (recapped)
<b>Strip composition</b>	Urobilinogen: Diazonium salt 0.3% Bilirubin: Diazonium salt 0.6% Ketones: Sodium nitroprusside 5.9% Creatinine: 3.5 Dinitrobenzoic acid 4.5% Blood: Diisopropylbenzene-dihydroperoxide 26.0%, tetramethylbenzidine 1.6% Protein: Tetrabromophenol blue 0.2 % Microalbumin: Sulfonephthalein 2.4% Nitrite: p-Arsanilic acid 1.4%, tetrahydroquinoline 0.9% Leukocytes: Pyrrole amino acid ester 4.3%; diazonium salt 0.5% Glucose: Glucose oxidase 1.8%; peroxidase 0.4%; potassium iodide 0.3% Specific gravity: Poly (methyl vinyl ether/maleic anhydride) 90.6%, bromothymol blue 4.8%, Sodium hydroxide 4.6% pH: Bromocresol green 3.6%; bromothymol blue 55.1% Ascorbic acid: 2,6-Dichlorophenolindophenol 1.0%



### Sample

<b>Sample type</b>	Urine
<b>Sample positions</b>	1
<b>Loading</b>	Manual

### Reading

<b>Optical system</b>	Reflection photometry
<b>Light source</b>	Three LEDs with different wavelengths
<b>Wavelengths (pre-installed)</b>	470nm, 525nm, 625nm

### Data processing

<b>Memory for</b>	Patient results, quality control records
<b>Memory capacity</b>	10,000 patient results
<b>Instrument calibration</b>	Instrument calibration strip
<b>Printer</b>	Built-in thermal printer
<b>LIS</b>	COM USB Mini to RS-232 for LIS and software update
<b>Data export</b>	Transfer to the computer via serial port

## General

<b>Physical dimensions (WxDxH)</b>	200 x 137 x 52mm
	Packaging 310 x 240 x 70 mm
<b>Weight</b>	Gross: 1.2 kg; Netto: 0.6 kg
<b>Electrical requirements</b>	External power supply 100-240V 50-60Hz, 3 A (=15 Watt)
	Input Main Unit 5.0V DC
<b>Environmental</b>	Operating temperature: 10-30°C
	Relative humidity ≤ 80 %, non-condensing
	Atmospheric pressure: 50 kPa - 106 kPa

## Scope of Supply

	Unit/Size	REF
<b>HumaCombilyzer</b>	1	17630
<b>User manual</b>	1	17630/1
<b>Calibration strip</b>	1	17630/15
<b>Power supply</b>	1	17630/18
<b>Printing paper (roll)</b>	1	15024/100

## Obligatory Items

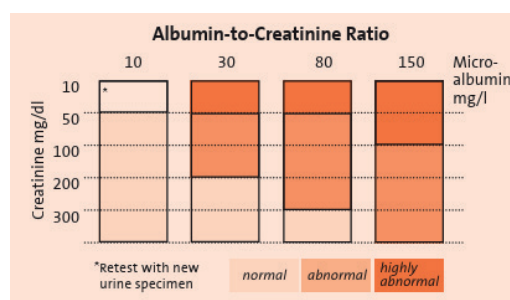
<b>Consumables</b>	Unit/Size	REF
<b>HumaCombina 10 (100 strips)</b>	1	22100
<b>HumaCombina 13 (100 strips)</b>	1	22130

## Optional Items

<b>Accessories</b>	Unit/Size	REF
<b>Hand-held barcode reader (with adapter cable for USB micro to USB-A)</b>	1	17630/50
<b>Serial adapter cable (for COM USB Mini to RS232) for LIS &amp; software update</b>	1	17630/51

<b>Consumables</b>	Unit/Size	REF
<b>Printing Paper (4 rolls)</b>	1	15024/100



HumaCombina13 including microalbumin & creatinine

## More information

For more information about the HumaVision visit [www.human.de](http://www.human.de)

## Legal statement

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