**SPOTCHEM EZ**

Advanced technology in **automated dry** chemistry testing

* iPhone depicted for visual scale only / not included
FEATURES

CALIBRATION IN SECONDS
Magnetic card calibrates the system. Calibration is required once per box of reagent strips.

INDIVIDUAL SEALED TESTS
Individual dry chemistry strips with 12 - 18 month stability.

REAGENT STRIPS
Up to 8 tests can be measured simultaneously from reagent strips. Instrument throughput is 48 tests per hour. Reagent test strips are barcoded and can be run in any order.

WHOLE BLOOD SAMPLE
Precise sample volume is not required.

CRMLN CERTIFICATION
HDL and Cholesterol are CRMLN Certified.

ON BOARD CENTRIFUGE
Whole blood sample is centrifuged directly on the analyzer.

MINIMAL WASTE
Discarded tips are contained in the tip waste case.

MINIMAL MAINTENANCE
1 minute per day - only requirement is to wipe down the reagent tray.

EASY INSTALLATION
Installation takes place in minutes.

SMALL COMPACT FOOTPRINT
Instrument measurements are Width 13.5” x Depth 8” x Height 6.5”. Ideal for a small laboratory or physician office.

MOBILE
Lightweight instrument is easily transportable from location to location. Instrument warm up time is 10 minutes and there is no water requirement.

INTERNAL COMPUTER
Capable of storing up to 100 results per test.

INTEGRAL PRINTER
Test results available by built-in printer.

LIS CAPABILITY
Instrument can be interfaced with a laboratory LIS system.
Sample: Whole blood
Processing speed: 48 samples per hour
Minimum sample volume: 250 µL

Measurement wavelength: 5 wavelengths (405, 550, 575, 610 and 820 nm)
Measurement principle: Optical measurement of reflection intensity of reagent color reaction
Simultaneous measurement: 3 Single Reagent Strips and / or 1 Multi Reagent Strip
Reagent reaction temperature: 37°C
Light source: LED and Interference filter
Calibration method: Calibration by magnetic card
Data storage volume: For 100 tests
Display: 20 digits x 2 lines LCD
Built-in Printer: 36-character thermal printer (58 mm width)
External Output: RS-232C interface
Power supply: AC100~120V, 220~240V, 50/60Hz (AC adapter method)
Power input: Max. 100VA
Dimensions: Width 13.5” x Depth 8” x Height 6.5”; Weight: 12 lbs
WHOLE BLOOD SAMPLE SMALL COMPACT FOOTPRINT

- 1 minute per day - only requirement is to
- Precise sample volume is not required.
- MINIMAL WASTE

REAGENT STRIPS

- CRMLN CERTIFICATION
- Installation takes place in minutes.
- wipe down the reagent tray.
- waste case.
- on the analyzer .
- HDL and Cholesterol are CRMLN Certified.
- and can be run in any order .
- Instrument throughput is 48 tests per
- hour . Reagent test strips are barcoded
- simultaneously from reagent strips.
- Up to 8 tests can be measured
- and there is no water requirement.
- Instrument warm up time is 10 minutes
- transportable from location to location.
- Lightweight instrument is easily
- Dimensions:  Width 13.5" x Depth 8" x Height 6.5" ;
- Weight: 12 lbs
- Calibration is required once per box of
- Magnetic card calibrates the system.
- CALIBRATION IN SECONDS
- INTEGRAL PRINTER
- LIS CAPABILITY
- Power input:  Max. 100VA
- Power supply:  AC100~120V , 220~240V , 50/60Hz (AC adapter method)
- Dimensions:  Width 13.5" x Depth 8" x Height 6.5"
- External Output:  RS-232C interface
- Built-in Printer:  36-character thermal printer (58 mm width)
- Display:  20 digits x 2 lines LCD
- Light source:  LED and Interference filter
- Simultaneous measurement:  3 Single Reagent Strips and / or
- Measurement wavelength:  5 wavelengths (405, 550, 575, 610 and 820 nm)
- Processing speed:  48 samples per hour

**HDL Correlation Data:**
- **SPOTCHEM EZ and Floor Model Wet Chemistry Analyzer**
- \[ y = 0.9097 + 3.86 \]
- \[ r = 0.966 \]

**Cholesterol Correlation Data:**
- **SPOTCHEM EZ and Floor Model Wet Chemistry Analyzer**
- \[ y = 0.927x + 6.04 \]
- \[ r = 0.992 \]

**Triglyceride Correlation Data:**
- **SPOTCHEM EZ and Floor Model Wet Chemistry Analyzer**
- \[ y = 0.953x + 1.044 \]
- \[ r = 0.953 \]

**AST Correlation Data:**
- **SPOTCHEM EZ and Floor Model Wet Chemistry Analyzer**
- \[ y = 0.9905x - 0.5654 \]
- \[ r = 0.978 \]

**ALT Correlation Data:**
- **SPOTCHEM EZ and Benchtop Wet Chemistry Analyzer**
- \[ y = 1.080x - 1.768 \]
- \[ r = 0.986 \]

**Glucose Correlation Data:**
- **SPOTCHEM EZ and Floor Model Wet Chemistry Analyzer**
- \[ y = 0.995x - 0.5654 \]
- \[ r = 0.985 \]

**Fructosamine Correlation Data:**
- **SPOTCHEM EZ and Floor Model Wet Chemistry Analyzer**
- \[ y = 0.840 - 21.182 \]
- \[ r = 0.9715 \]
SPOTCHEM EZ

is a small bench top chemistry analyzer that utilizes dry chemistry technology. Testing is performed on reagent strips with results available within 3 - 15 minutes. The test menu consists of 21 tests and 3 panels. Maximum throughput is 48 tests per hour. The instrument accepts whole blood samples and is calibrated automatically with the swipe of a magnetic card. At the conclusion of testing, results are available on the SPOTCHEM EZ printer or downloaded via LIS system. SPOTCHEM EZ is ideally suited for small laboratories and physician offices that desire an easy-to-use analyzer with a small footprint and limited maintenance requirements.
SPOTCHEM EZ TEST MENU

LIPID TESTS
Cholesterol*
Triglycerides*
HDL*
Lipid Panel*
LDL *

DIABETES TESTS
Glucose*
Fructosamine
ALT*
AST*

GENERAL CHEMISTRY TESTS
Albumin
ALP
Amylase
BUN*
Calcium
CK
Creatinine*
GGT
Phosphorus
LDH
Magnesium
Total Bilirubin
Total Protein*
Uric Acid
Panel 1 (ALB BUN GLU CRE CAL)*
Panel 2 (ALP T-BIL ALT AST TP)*

*CLIA Waived
Total Cholesterol and HDL are CRMLN Certified

Distributed by: CLIAwaived.com™
San Diego, CA 92121
tel 858-481-5031
toll free 888-882-7739
www.cliawaived.com