

# 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  $\mu$ L



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<sup>TM</sup> 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

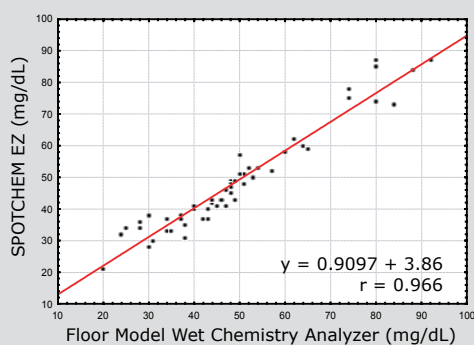
Power supply: AC100~120V, 220~240V, 50/60Hz (AC adapter method)

Power input: Max. 100VA

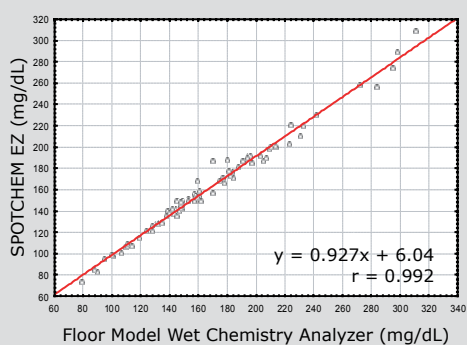
Dimensions: Width 13.5" x Depth 8" x Height 6.5" ; Weight: 12 lbs

# REAGENT REGRESSION CHARTS

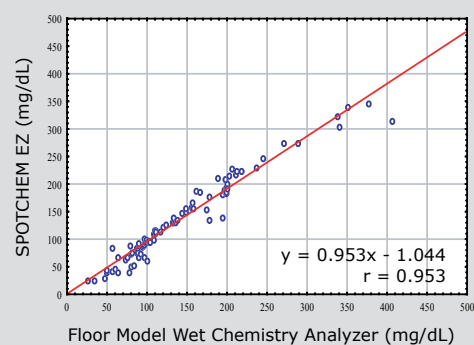
**HDL Correlation Data:**  
SPOTCHEM EZ and Floor Model Wet Chemistry Analyzer



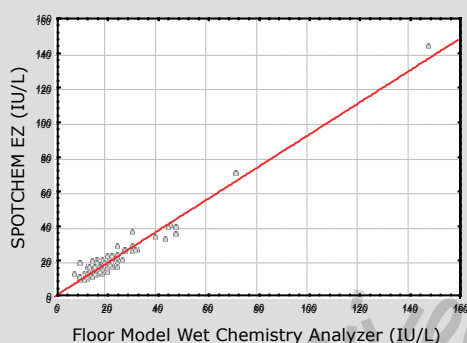
**Cholesterol Correlation Data:**  
SPOTCHEM EZ and Floor Model Wet Chemistry Analyzer



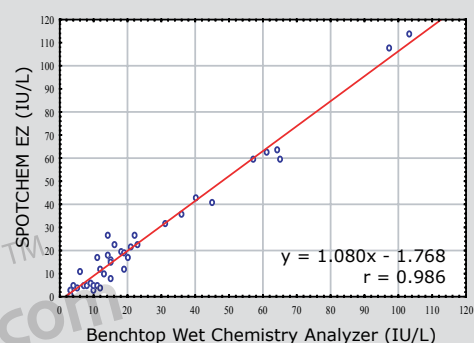
**Triglyceride Correlation Data:**  
SPOTCHEM EZ and Floor Model Wet Chemistry Analyzer



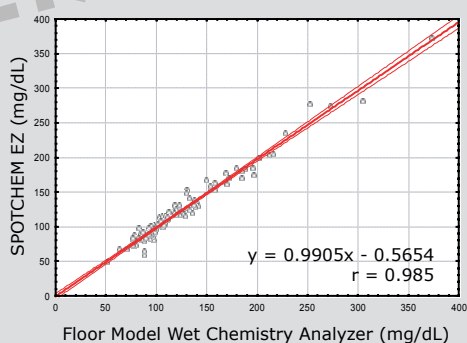
**AST Correlation Data:**  
SPOTCHEM EZ and Floor Model Wet Chemistry Analyzer



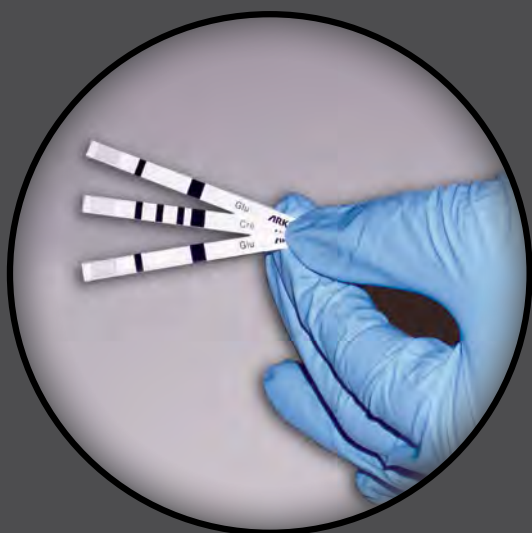
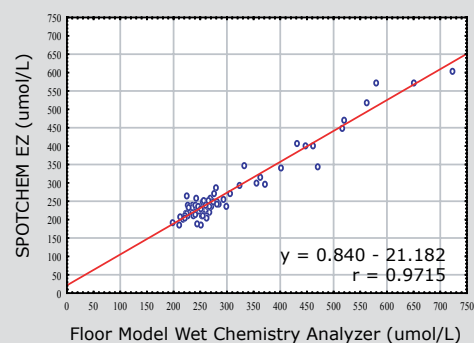
**ALT Correlation Data:**  
SPOTCHEM EZ and Benchtop Wet Chemistry Analyzer



**Glucose Correlation Data:**  
SPOTCHEM EZ and Floor Model Wet Chemistry Analyzer



**Fructosamine Correlation Data:**  
SPOTCHEM EZ and Floor Model Wet Chemistry Analyzer



# 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)\*

CLIAwaived.com<sup>TM</sup>

\*CLIA Waived

Total Cholesterol and HDL are CRMLN Certified

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