



Automated analyzer for clinical chemistry

# SPOTCHEM™ EZ

SP-4430



**Easy,  
On-the-Spot  
Chemistry Testing**



## ***Three Good Reasons to use SPOTCHEM™ EZ for On-the-Spot Chemistry Testing***

### ***1. Fast Patient Care***

- Same visit results in as little as 4 to 15 minutes
- Requires no special operating skills
- On board centrifuge
- Measures up to 8 tests simultaneously

### ***2. Easy Operation***

- Fully automated with walk away operation
- No sample pre-treatment required
- Calibration in seconds with swipe of magnetic card

### ***3. Versatile Testing***

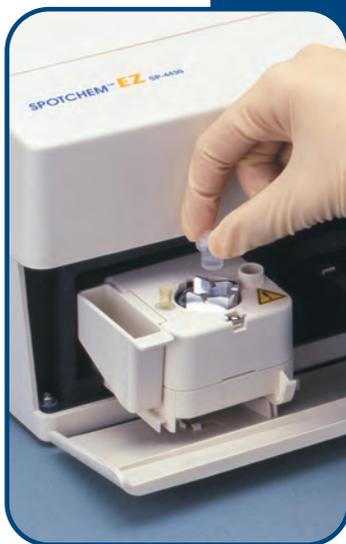
- Can run panels or single tests to test the way you need to
- Test menu consists of 21 tests and 3 panels
- Lightweight and portable for easy transport

***Run a panel,  
run a single,  
or combine  
to meet  
your needs***





## Easy 3-step process simplifies operation and staff training



**Step 1:** Add sample and insert centrifuge cup



**Step 2:** Place test strip



**Step 3:** Press start and await results

## SPOTCHEM™ EZ Test Menu

### CLIA Waived

#### Diabetes Tests

Glucose  
ALT  
AST

#### Lipid Tests

Lipid Panel  
• HDL-C  
• TC  
• Triglyceride  
• LDL-C  
(calculated value)  
Cholesterol  
Triglycerides  
HDL

#### General Chemistry Tests

Panel 1 (ALB, BUN, GLU, CRE, CAL)  
Panel 2 (ALP, T-BIL, ALT, AST, TP)  
BUN  
Creatinine  
Total Protein

### Moderate

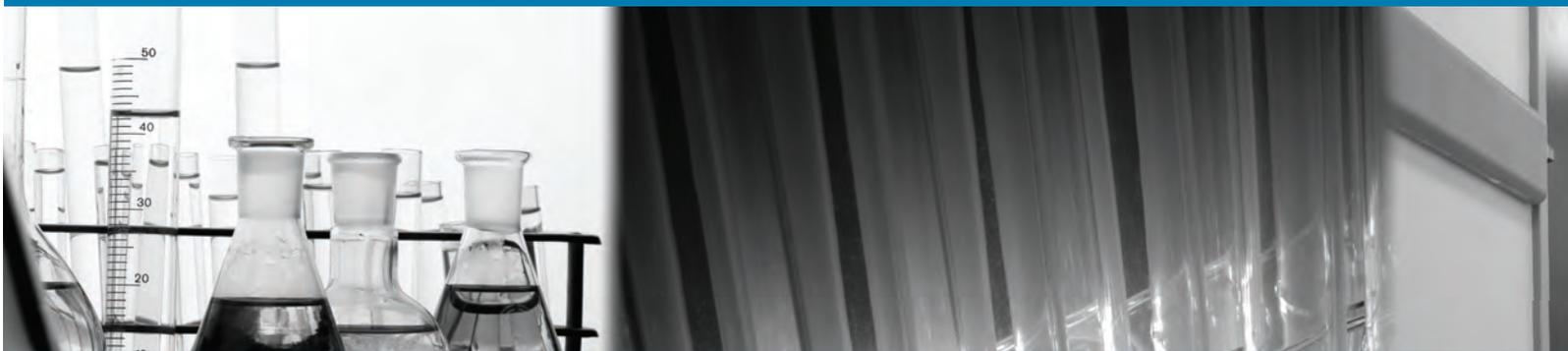
#### Diabetes Tests

Fructosamine

#### General Chemistry Tests

Albumin	ALP	Amylase
Calcium	CK	GGT
Phosphorus	LDH	Magnesium
Total Bilirubin	Uric Acid	





## Specifications

<b>Sample:</b>	<i>Whole blood, serum, plasma</i>
<b>Measurement Wavelength:</b>	<i>5 wavelengths (405, 550, 575, 610, and 820 nm)</i>
<b>Measurement Principle:</b>	<i>Optical measurement of reflection intensity of reagent color reaction</i>
<b>Processing Speed:</b>	<i>48 samples per hour</i>
<b>Minimum Sample Volume:</b>	<i>250 <math>\mu</math>L whole blood, 100 <math>\mu</math>L serum</i>
<b>Simultaneous Measurement:</b>	<i>3 Single Reagent Strips and/or 1 Multi Reagent Strip</i>
<b>Reagent Reaction Temperature:</b>	<i>98.6°F (37°C)</i>
<b>Light Source:</b>	<i>LED and Interference filter</i>
<b>Calibration Method:</b>	<i>Calibration by magnetic card</i>
<b>Data Storage Volume:</b>	<i>100 tests</i>
<b>Display:</b>	<i>20 digits x 2 lines</i>
<b>Built-in Printer:</b>	<i>36-character thermal printer (58 mm width)</i>
<b>External Output:</b>	<i>RS-232C interface</i>
<b>Power Supply:</b>	<i>AC100~120V, 220~240V, 50/60Hz (AC adapter method)</i>
<b>Power Input:</b>	<i>Max. 100VA</i>
<b>Dimensions:</b>	<i>Width 13.5" x Depth 8" x Height 6.5"</i>
<b>Weight:</b>	<i>12 lbs.</i>

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