



FACA-401

Fully Automatic Chemistry Analyzer



Labomed introduces an automatic biochemistry analyzer with varying testing capacities. FACA-401 conducts 400 tests/hr with True Random Access .

Features

- Random Access and Direct Reading System.
- Automatic Washing System for Both Sample and Reagent Probe.
- Liquid Level Detection and Collision Protection for Both Sample and Reagent Probe.
- Reliable Cooling System for Reagent Chamber.
- Works with Windows XP and Windows 7
- Powerful Reaction Cuvette Washing System.
- User-Friendly Interface.
- ISE module and barcode scanner (optional)
- Enzyme Kinetic GPT and GOT testing

Labomed, Inc. is certified by ISO 9001-2013, has CE Conformity and is FDA Licensed

Accessories

Box 1

- 40-type Reagent bottle 1
- 70 pcs
- Reagent bottle 2 with holder
- 30 sets
- Cuvette
- 300 Pcs
- Detect probe
- 2 Sets

Box 2

- Serum cup 1000 Pcs
- Sample probe 1 Pc

Wire Package

- Power Cable 2 Pcs
- Com Cable 1 Pc
- Ground Cable 1 Pc
- Sensor 2 Pcs

Tube Package

- Tube 2 Sets
- Sinkage Block 2 Pcs

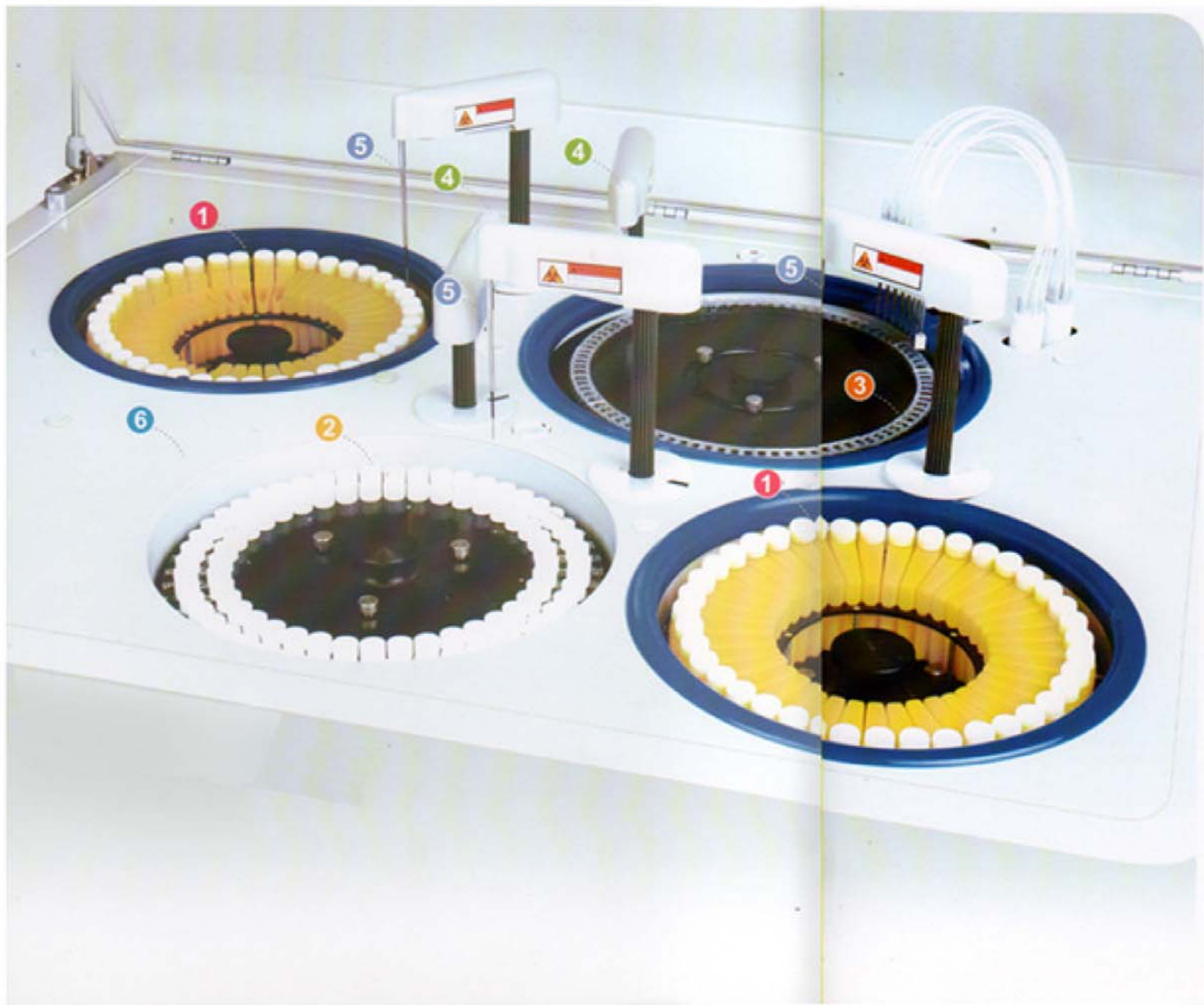
Box 3

Accessory Package

- Black Cup 1 Pc
- Fixed Buckle 6 Sets
- Tool 1 Set
- Fuse (8A) 8 Pcs
- Lamp with Holder (12V/20W) 2 Sets
- Piston (1 ml) 1 Set
- Bottle (20L) 1 Pc

Manual Package

- Operation Manual 1 Pc
- CD 1 Pc



1 Reagent Tray

40 reagent positions for FACA-301 and FACA-261
 80 reagent positions for FACA-401
 Cooling system may work independently for 24 hours.

2 Sample Tray

60 sample positions for FACA-301 and FACA-261
 88 sample positions for FACA-401

3 Cuvette

Either high quality UV-transmitted plastic
 cuvettes or quartz glass cuvettes available.

4 Independent Mixer

1 mixer for FACA-301 and FACA-261
 2 mixers for FACA-401

5 Sample probe/ Reagent probe

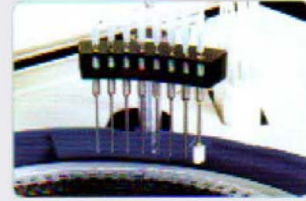
1 sample probe and 1 reagent probe for FACA-301
 1 sample probe and 2 reagent probes for FACA-401
 Only 1 sample / reagent probe for FACA-261

6 ELE Module

ELE module available on request.

Cuvette Washing Station

8 channels automatic washing station.



Independent Mixer

Independent mixer ensuring quick and complete reaction.



Reaction Cuvette

High quality UV-transmitted plastic cuvettes, or quartz glass cuvette (optional).



Sample Probe / Reagent Probe

With liquid level sensor, anti-collision sensor and automatic cleaning function.



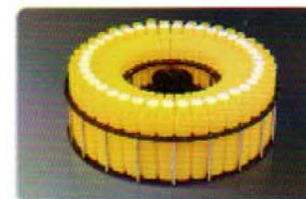
Reagent Bottle

More convenient and economical ready to use reagent kits.



Reagent Tray

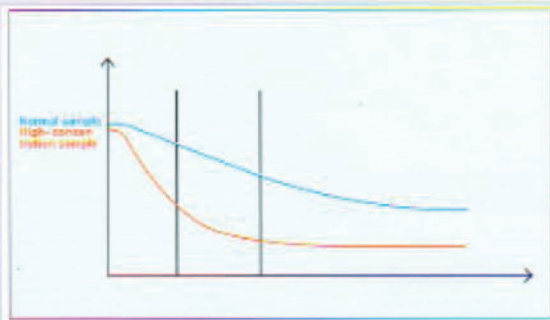
With cooling reagent chamber.



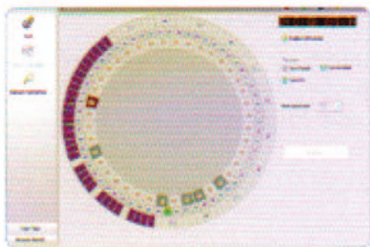
Software



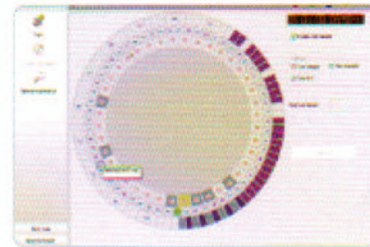
User-Friendly Interface
Compatible with Windows XP, Vista or Windows 7



Variable reading function

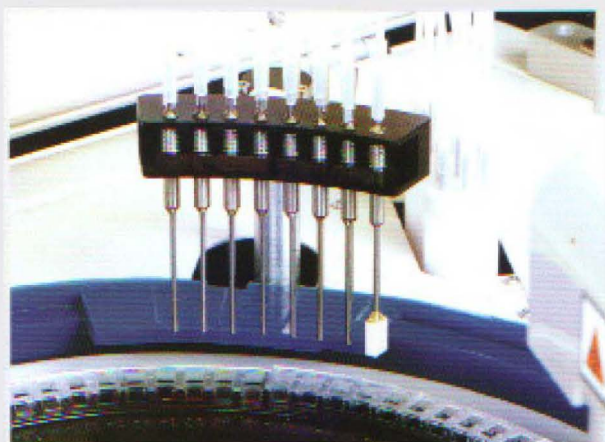


Carry Over Control Function



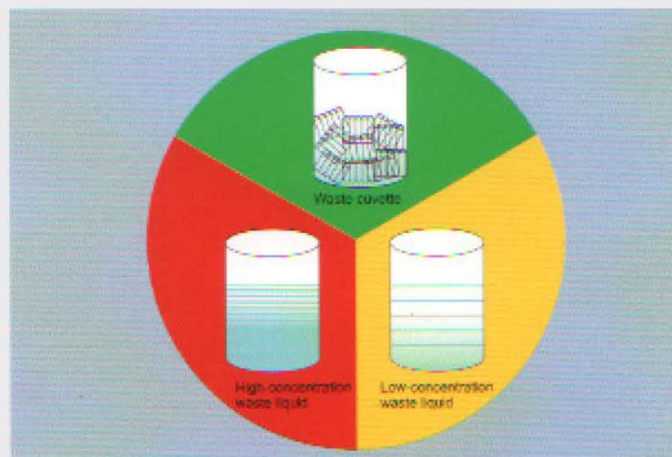
Automatic Alarm for Malfunctions

Automatic Washing Station



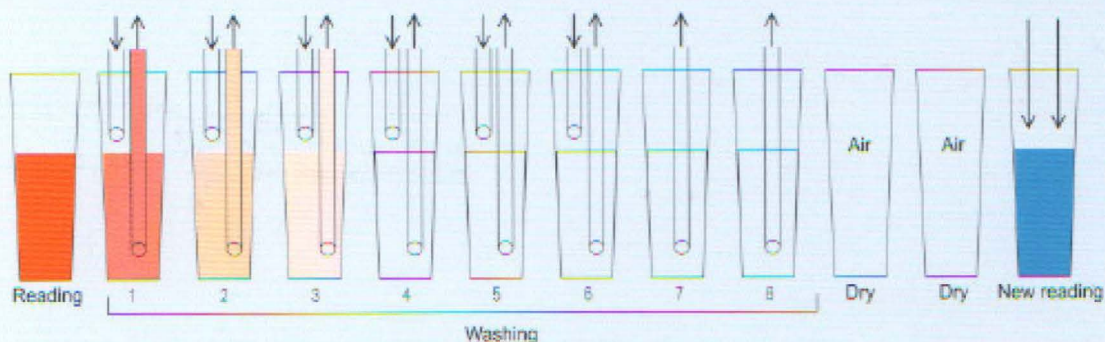
An 8-channel washing station ensures complete washing for cuvettes.

Environmental Protection Design



The waste is automatically classified and collected into different containers.

Automatic cuvette washing and blanking makes more precise results

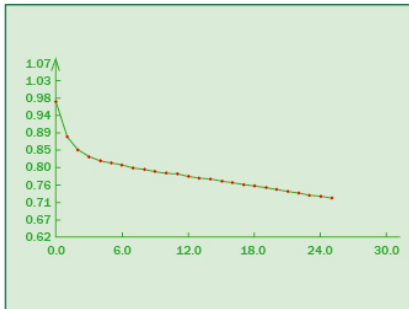


Wavelength	Reading	Wash1	Wash2	Wash3	Wash4	Wash5	Wash6	Wash7	Wash8	Dry	Dry	New reading
340nm	1.3100	0.025	0.0092	0.0037	0.0022	0.0008	0.0006	0.0005	0.0002	0.0800	0.0850	/
405nm	0.6920	0.0112	0.0075	0.0033	0.0019	0.0010	0.0005	0.0003	0.0002	0.0800	0.0805	/
450nm	0.5281	0.0108	0.0066	0.0031	0.0015	0.0009	0.0003	0.0003	0.0002	0.0806	0.0805	/
510nm	0.7005	0.0113	0.0055	0.0027	0.0012	0.0006	0.0002	0.0002	0.0001	0.0810	0.0811	/
546nm	0.5368	0.0184	0.0072	0.0043	0.0013	0.0008	0.0002	0.0002	0.0002	0.0840	0.0843	0.5090
578nm	0.0136	0.0135	0.0064	0.0031	0.0012	0.0006	0.0002	0.0002	0.0002	0.0800	0.0800	/
620nm	0.0189	0.0189	0.0054	0.0026	0.0010	0.0005	0.0002	0.0002	0.0002	0.0800	0.0800	/

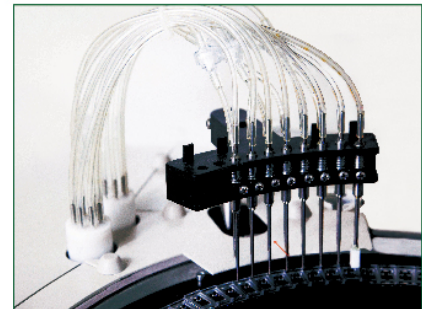
Test O.D. value-Real reagent blank=True O.D.value

General Features:

- New concept and more friendly software.
- New techniques and spare parts are used for much better quality and function.
- Automatic washing station for both sample and reagent probe.
- Liquid level detection and collision protection for both sample and reagent probe.
- Reliable cooling system for reagent chamber.
- Powerful reaction cuvette washing system.
- ISE module and barcode scanner(optional).
- Lower waste and more environment friendly.
- New concept test control system available (on request).



Reaction Cure Visible on line.



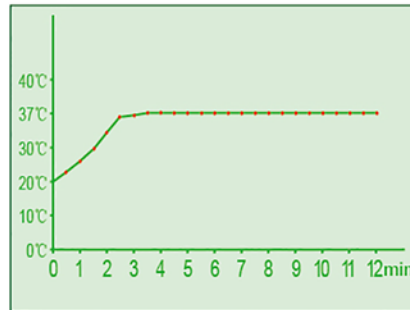
Cuvette Washing Station:
8 channels automatic washing station.



Independent mixer ensuring full reaction of sample / reagent solution.



High quality UV-transmitted plastic cuvettes, or quartz glass cuvette (optional).



Quickly heating up and thermostable technique to ensure reaction solution reach $37\pm 0.5^{\circ}\text{C}$ within 160s and stable at $37\pm 0.2^{\circ}\text{C}$ more than 1200s.



Sample probe / reagent probe with liquid level sensor, anti-collision sensor and automatic washing function.



Reagent tray can be easily placed in cooling chamber.

Technical Specifications

Model	FACA401	
Assay Model	Random access with direct reading system	
Method	End point, Kinetic, Fixed time, Immunoturbidimetric, 1-2 reagent, Multistandard, reagent/serum blank, etc	
Assay Item	80 assay	
	ISE mould (Na ⁺ , K ⁺ , Cl ⁻ / Li ⁺) available on request	
Throughput	1 Reagent	400 test/h
	2 Reagent	400 test/h
	With ISE	+120 test/h
Sample Position	80	
	Including standard, control and stat; either serum cup or primary tube available	
Sample Volume	1~100ul, 0.1 ul / step	
Reagent Position	2 x 40	
Reagent Volume	R1: 1~400ul, 1ul / step, R2: 1~400ul, 1ul / step	
Reagent / Sample Probe	With liquid level sensor, collision sensor, teflon coating and automatic washing station	
Reaction Time	0~999 seconds	
Cuvette	High quality uv-transmitted plastic cuvette. Quartz glass cuvettes on request	
Cuvette Washing	8 channels automatic washing system for reaction cuvettes	
Probe And Mixer Washing	Independent washing station for each sample/reagent probe and mixer	
Alarm	Automatic alarm for malfunction (eg: collision, reagent / sample insufficiency, full waste container, etc)	
Calibration	Linear, Non-linear, Multi standard, K factor	
Sample Dilution/Retest	Sample can be diluted and retested if results are out of range or sample is insufficient. Also with calibrator auto diluting function	
Wavelength	340~810nm	
Light Source	Halogen lamp	
Absorbance Resolution	0.0001A	
Absorbance Accuracy	±0.0003A(0~2.5A)	
Repeatability (CV %)	≤2%	
Quality Control	Levy Jennings quality control program at 3 levels	
Bar Code	Optional	
Printer	Multiple report formats available	
Test Control Function	New card control system available on request	
Language	English, French, Spanish, German, Russian, etc	
System	Windows XP or Vista ; Windows 7	
Power Supply	220V / 50Hz or 110V / 60Hz (optional)	
Dimension	100×85×70 (cm)	
Weight	137Kg	

US & Europe Patents Pending

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