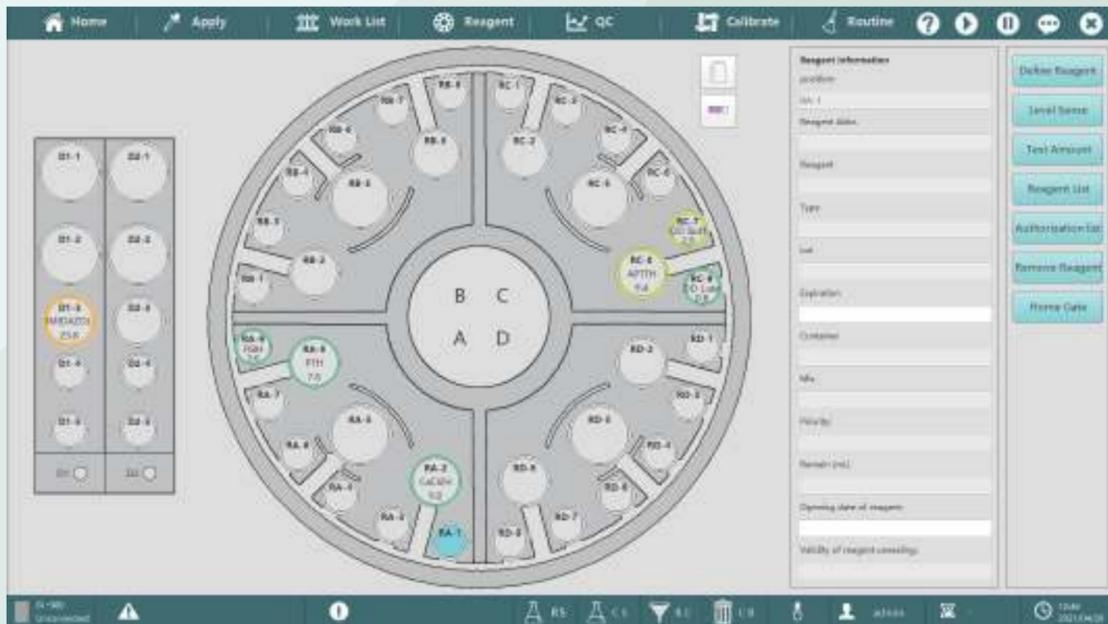


FEATURES



Number of available simultaneous assays	30
Number of programmable assays	unlimited
Requirement for factor assays manual manipulation or dilutions	No
Number of available reagent containers	36
Multiple reagent configurations supported	YES
Testing capacity: Number of specimens/ Number of tests	50/ up to 1000
Minimum sample volume required	4ul
Specimen volume requirement to run PT or PTT/ Factor VIII activity	50ul/ 25ul
Sample bar-code reading capability	YES
Reagent bar-code reading capability	YES
Automatic available inventory assessment	YES
Indication for tests remaining/ insufficient sample volume	YES
Automatic detection of reagents needed for analysis	YES
Possibility to dilute the sample before analysis	YES
Automatic rerun available/ Auto reflexing tests capability	YES
Reading time extension availability for prolonged clotting times	YES



Set up options	<ul style="list-style-type: none"> 1) Reagent volumes/ Sample volumes 2) Number and source of reagents 3) Incubating times/ Reading times
Autocalibration/ Multipoint calibration supported	YES
Analysis completion times/ Throughput per hour for	<ul style="list-style-type: none"> PT Alone: < 6 minutes/ 300 tests Mix (PT, PTT) < 6 minutes/ 300 tests Fibrinogen: < 6 minutes/ 300 tests Factor VIII activity assay: < 11 minutes/ 150 specimens
STAT analysis time delay	6 minutes and 18 seconds
Automatic transfer of QC results to LIS	YES
Security features	<ul style="list-style-type: none"> Over - heating fuse/ Mechanical stop switch/ Cover open/ closed sensor Probe protection sensor/ Power surge protection
Monitoring functions	<ul style="list-style-type: none"> Instrument monitoring functions <ul style="list-style-type: none"> 1) Temperature of heating/ cooling sections 2) Presence or absence of reagent racks 3) Reagent insufficient volume 4) Reagent cuvettes absence 5) Buffer/ rinse solution shortage 6) Mechanical parts operation 7) Self diagnostic mode Sample monitoring functions <ul style="list-style-type: none"> 1) Sample volume sufficiency evaluation 2) Automatic re-dilution analysis (for the dilution analysis parameter only) 3) Reflex testing
Automatic supply of reaction cuvettes	YES
Language options	English, Chinese, Other languages optional



AUTOMATIC COAGULATION ANALYZER Ci-300

AUTOMATIC COAGULATION ANALYZER Ci-300

A fully automatic high efficiency bench top analyzer with the throughput of 300 tests/ hour

The analytical unit includes:

Cuvettes storage and transportation unit

Stores, transfers, moves and discards the analytical cuvettes

Robotic arms units

- a) Sample arm: Aspirates and dispenses samples
- b) R1 and R2 arms: Aspirate and dispense analytical reagents

Light detection unit

Detects optical parameters of the sample (transparency, light diffusion, turbidity and/ or changes in light absorbance) to determine the clotting times
 Number of detection wells: 12
 Available wavelengths: 405nm, 545nm, 670nm and 800nm

Probes rinsing unit

Ensures efficient probes rinsing from inside and out to prevent samples and reagents contamination

Temperatures control unit

- a) Light detection unit controls temperatures at: 37 C ± 0.5 C
- b) Sample heating section: 37 C ± 0.5 C
- c) Reagent incubation probe: 37 C ± 1.0 C
- d) Reagent cooling section: 6 C - 8 C
- e) Reagent dilution area: 12 C - 15 C

2
 Control unit:
 Computer with Win8 or Win10

1
 Analytical unit



Motor control unit

Controls each motor's actions

Samples area

Capacity of five racks, each capable of holding 10 samples (50 samples in total)
 Barcode reader operated

Reagents area

Capacity of five racks, each capable of holding 9 reagents.
 Total 36 positions available
 Barcode reader operated
 Keeps reagents refrigerated at 6 C - 8 C

Reagents dilution area

Two racks capacity, each capable of holding 5 reagents.
 Total 10 positions available
 Refrigerated to 12 C - 15 C



Able to analyze	platelet - poor plasma
Model type	benchtop
Analyzer dimensions (H x W x D)	650mm x 1030mm x 720mm
Packing dimensions (H x W x D)	880mm x 1200mm x 850mm
Weight - analyzer (net)	128kg
Weight - with packing (gross)	190kg
Power	ac. 110-240V, 50/ 60Hz, < 1200VA
Operational temperature range	Between 15 C and 30 C
Operational humidity range	Between 35% and 85%
Analytical methods in operation	clot detection (LED optical transmission method); chromogenic and immunologic methods
Available wavelengths	405nm; 545nm; 670nm; 800nm

REPRODUCIBILITY PARAMETERS

Parameter	CV%	
	Normal	Abnormal
PT (s)	≤3.0%	≤8.0%
APTT (s)	≤4.0%	≤8.0%
FIB (g/L)	≤8.0%	≤15.0%
TT (s)	≤10.0%	≤15.0%
D-Dimer (ug/L)	≅ 10%	≅ 15.0%
AT-III	≅ 10%	≅ 15.0%

OPERATING PRINCIPLES

Coagulation method analysis

After the sample is mixed with the proper reagent and the fibrinogen transforms into a fibrin, the change in sample turbidity is detected. Variations of sample transparency and diffusion parameters are measured.

Chromogenic method analysis

Detects the change in light absorbance after mixing the plasma with the proper reagent.

Chromogenic method analysis

Plasma and latex reagent are mixed together to start a reaction, and variation in absorbance of the generated latex clumps is detected.

3 21" LCD touch display

ACCURACY

FIB: ±10% OR LESS

Labex Canada Inc.
 1091 Gorham St, Newmarket, Ontario, L3Y 8X7,
 Canada
 Tel: +1(905)392-7200
 Fax: +1(905)853-4548
 Email: info@labexcanada.com
 Web: www.labexcanada.com