



# CORALYZER 300<sup>™</sup>

## Fully Automatic Clinical Chemistry Analyzer

### KEY FEATURES

- Photometric throughput assured 300 tests per hour for single or double reagent tests
- 1 to 100 µl sample volume in increments of 1µl
- Separate probes for sample , R1 and R2 with dedicated mixer arms
- 1 to 400 µl Reagent volume in increments of 1µl
- 72 sample positions can be loaded with tube or sample cups
- 40 Reagent positions for R1 and 40 positions for R2
- On-board reagent inventory
- 90 reaction cuvettes
- On-board washing with detergent wash
- Low water consumption
- On-board QC statistics
- Fiber optics incorporated photometry
- On board reagent and sample barcode
- Bidirectional LIS interface capable
- Stat sample function available at any available sample position.
- Programmable extra wash facility.
- Fully open application programming.

### TECHNICAL SPECIFICATIONS

<b>Principle</b>	Colorimetric method
<b>Assay methods</b>	End point, Rate reactions, fixed time, differential, sample blanking, mono and bichromatic measurements. All programs operator definable. On board chemistries 40
<b>Throughput</b>	300 tests/ hour
<b>Calibration</b>	Facility to run ONLY reagent blank (without standard) in calibration mode, Reagent / sample probe with liquid level sensor.
<b>Quality Control</b>	Run between 3 - 6 levels of QC, Random processing of QC data possible, QC statistics in the form of LEVY JENNING PLOT.

<b>Memory</b>	One million patient data may be stored.
<b>Sample</b>	Sample positions : 72 Sample volume : (1.0-100 µl) in increments of 0.1µl Accepts Primary tubes /Sample cups STAT sample can be introduced at any time and at any position
<b>Reagent</b>	Reagent positions : 40 Reagent bottles : 40 ml for R1: 15ml for R2 Reaction volume : Between 20 – 400 µl; Suggested between 200-250 µl in increments of 1 µl Reaction time : 0 - 999 seconds On board reagent inventory Reaction temperature : 37± 0.1°C (dry air incubation), High speed Teflon coated mixing probe for efficient mixing of reaction mixture Reaction Cuvettes : 90
<b>On Board Laundry</b>	Washing: 8 channel washing manifold, washing with warm water. Water consumption : Maximum 10 liters for 300 tests
<b>Optics</b>	Light source : Long life halogen lamp Wavelength range : 300 - 800nm. Eight installed filters. Optical bandwidth : ± 4nm Measurement range : 0.0 - 3.0 ABS, Continuous monitoring of blank cuvette Abs to increase accuracy
<b>Power Supply</b>	110-220V (± 10V), 50-60 Hz, 2000 VA.
<b>Software</b>	Windows 2000 / XP platform, User friendly with different language versions
<b>Dimensions</b>	104 cms x 82 cms x 78cms
<b>Net weight</b>	200 kgs
<b>Cat. No.</b>	CRL 300

**LIST OF STANDARD ACCESSORIES SUPPLIED ALONG WITH THE INSTRUMENT WITH CAT NOS**

<b>Cat No</b>	<b>Components</b>	<b>Qty</b>	<b>Cat No</b>	<b>Components</b>	<b>Qty</b>
CRL 300.	MAIN MACHINE	1	CRL 300-01.	USER MANUAL	1
CRL 300-02.	APPLICATION MANUAL	1	CRL 300-03.	POWER CORD	1
CRL 300-04.	FUSE	4	CRL 300-05.	WASH WATER INLET	1
CRL 300-06.	WATER & WASTE SENSOR	1	CRL 300-07.	TUBE KIT	1
CRL 300-08.	3 PIN TOP	1	CRL 300-09.	SERIALCABLE (RS 232)	1
CRL 300-10.	REAGENT BOTTLE R1	35	CRL 300-11.	REAGENT BOTTLE R2	30
CRL 300-12.	SAMPLE CUPS	400	CRL 300-13.	REAGENT BOTTLE CAPS	35+30
CRL 300-14.	FRAMES FOR R2 BOTTLES	30	CRL 300-15.	HALOGEN LAMP	1
CRL 300-16.	SAMPLE PROBE	1	CRL 300-17.	SENSOR	1
CRL 300-18.	GROUND WIRE	1	CRL 300-19.	QC REPORT	1
CRL 300-20.	SOFTWARE CD	1			