

ReDi - 120/240

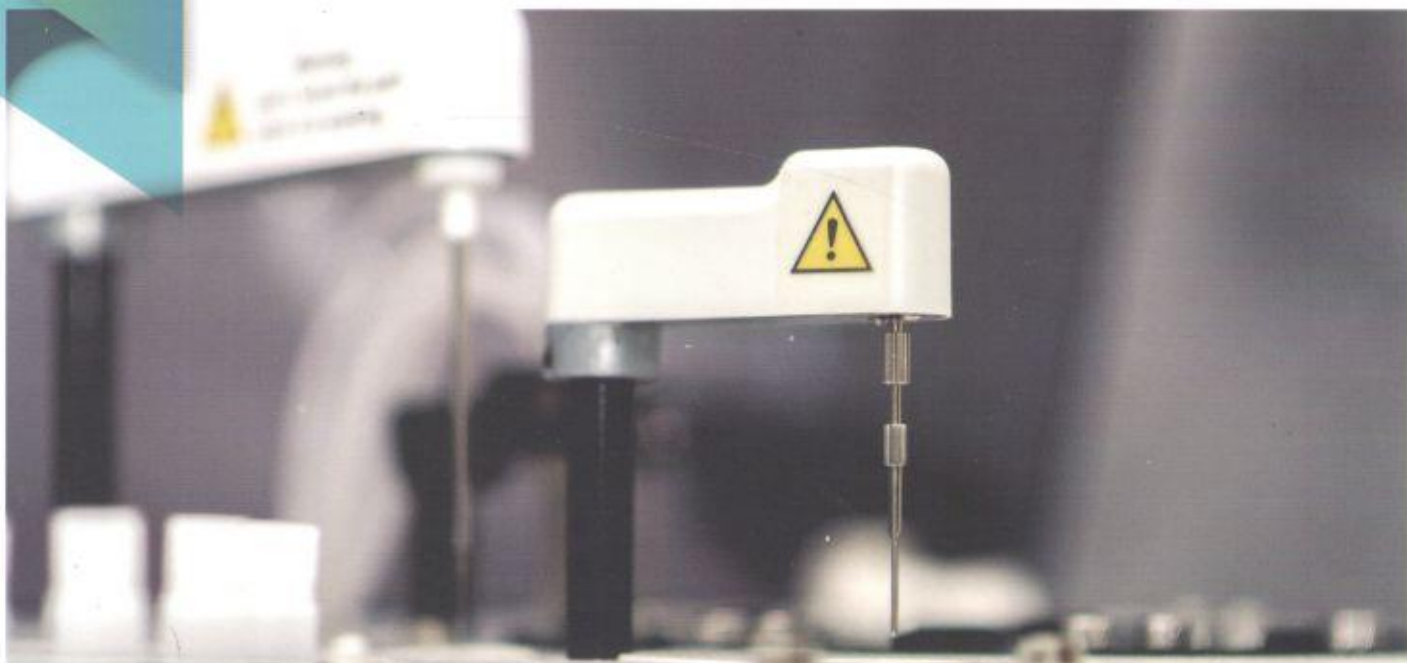
Fully Automated
Clinical Chemistry Analyzer
SMART, INTELLIGENT
True Walk Away System



RECKON DIAGNOSTICS P. LTD.

THE TEST OF CONFIDENCE

An ISO 13485:2016 & GMP Certified Company



QC Lot Daily QC Monthly QC QC value print

Concentration Middle From 01-May-16 To 15-May-16

No.	Tests	Lot number	Result	Run date	Run time	Flag	2SD range
1	GLUC	ABCD11	107.4	04-05-2016	17:32:45	-150	97.00-137.00
2	GLUC	ABCD11	108.4	04-05-2016	16:58:03	-150	97.00-137.00
3	GLUC	ABCD11	108.0	04-05-2016	16:44:04	-150	97.00-137.00
4	GLUC	ABCD11	110.5	04-05-2016	15:58:08	-150	97.00-137.00
5	GLUC	ABCD11	109.4	04-05-2016	15:44:38	-150	97.00-137.00
6	GLUC	ABCD11	116.5	04-05-2016	15:15:21	-150	97.00-137.00

Data Sorting
☐ By Test
☒ By QC lot
☐ By Run date

Printview
Print

Multi QC Rules
☒ 1:25
☒ 1:35
☒ 2:25
☒ R45
☒ 10X

Save

VERSION Administrator Operator:Admin 15-05-2016 PM 11:10:50

Test Parameter External parameters Calculated test Profile Test-Run Sequence Test-Print sequence

Tests Full name CRP Test CRP Test Code 12

Basic parameter Reference range Calibration

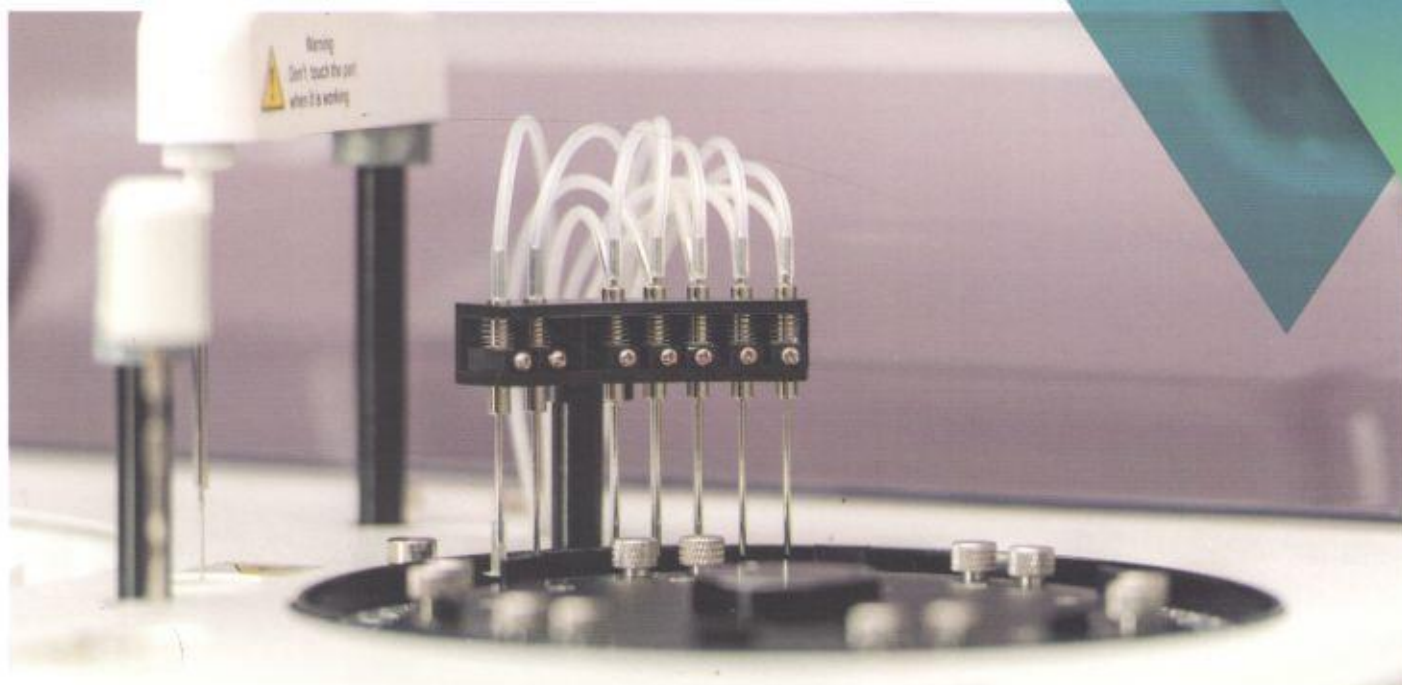
Number of standards 6 Calib Curve Spline Calibration cup Cup Cal History

Standard position	1	2	3	4	5	6
Standard value	210.00	105.00	52.50	26.25	13.13	6.57
Absorbance	0.7017	0.4098	0.2365	0.1289	0.0941	0.0679

Dilution Dilution ratio 2 Lot number A1 Expiry Date 04-05-2017

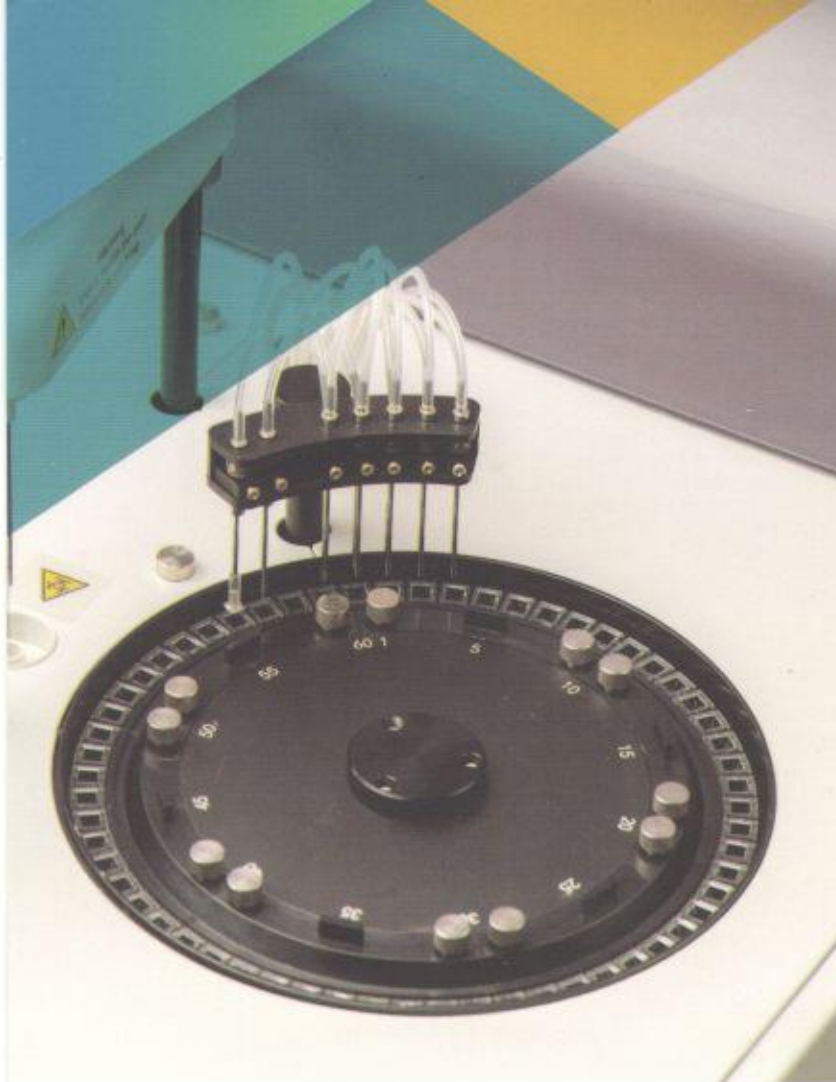
Add Delete Save Printview Print

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General Specifications

Item	Description
Throughput	120 & 240 test/hour
System type	Discreet, open/closed (Optional), fully automated
System Pack	Bottles of 18 ml & 5 ml with barcoding
Sample	Serum, Urine, Plasma, CSF, Other body fluids
Measurement principle	Photometric and HIAS (Homogeneous Immuno Assays)
Wavelengths	9:340, 405, 450, 510, 546, 578, 620, 660, 690nm
Photometer Linearity	Up to ± 3.0 Optical Density
Lights ource	Tungsten halogen lamp (12V 20W)
Programmable parameters	50 photometric tests
Assay modes	End Point, Fixed time, Rate-A, RateB, MultiPoint NonLinear
Sample positions	25 for standard cups / primary tubes/ STAT
Sample volume	2-50 μ l (adjustable in 0.1 μ l step)
STAT Sampling	STAT sampling at any position
Reagent positions	25 for 20ml bottle size
Reagent volume	10-350 μ l (adjustable in 1 μ l step)
Reagent cooling	15°C below ambient room temperature (approx 25°C)
Reaction volume	180 μ l to 500 μ l
Level sensing and safety mechanism	Vertical & horizontal obstruction detection
Reaction temperature	Inventory management by Capacitance based sensing $37^{\circ}\text{C} \pm 0.2^{\circ}\text{C}$
Calibration	Max 6 calibrators per test with auto-dilution
Calibration curves	K-Factor, Linear (one, two and multipoint), Logit-log (4Pand5P), Spline, Exponential and Polynomial
Quality control	Tri level Daily and Monthly LJ Graphs with Multi QC Rules
Mixing type	By paddle mixer with variable speed (Low / Middle / High)
Sample dilution	Pre/Post dilution for > Linearity & Substrate Depletion
Sample and reagent tray	Rotating turn table with insulating cover
Sample/Reagent Identification	Positive Identification (barcoding) for samples & reagents
Cuvette washing	7 stages cuvette washing with drier chip
Data storage capacity	Test results:1,000,000,Reaction curve:40,000 tests
Graph monitoring	Online for Reaction and Calibration curve
Water consumption	NCCLS Type II, 4.0liters / hour (approx)
Noise level	Less than 65 dB with cover closed
Weight	Approximately 30Kgs



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