

TurboChem 240

Fully Automated Random Access Analyzer
for Clinical Chemistry and Turbidimetry



Stepping up with the edge of versatility

- 240 tests/hr. constant throughput
- 420 tests/hr. with ISE module
- Integrated ISE module for Na, K, Cl & Li
- Twin probes for higher speed
- Dedicated wash station for each probe
- Low water consumption

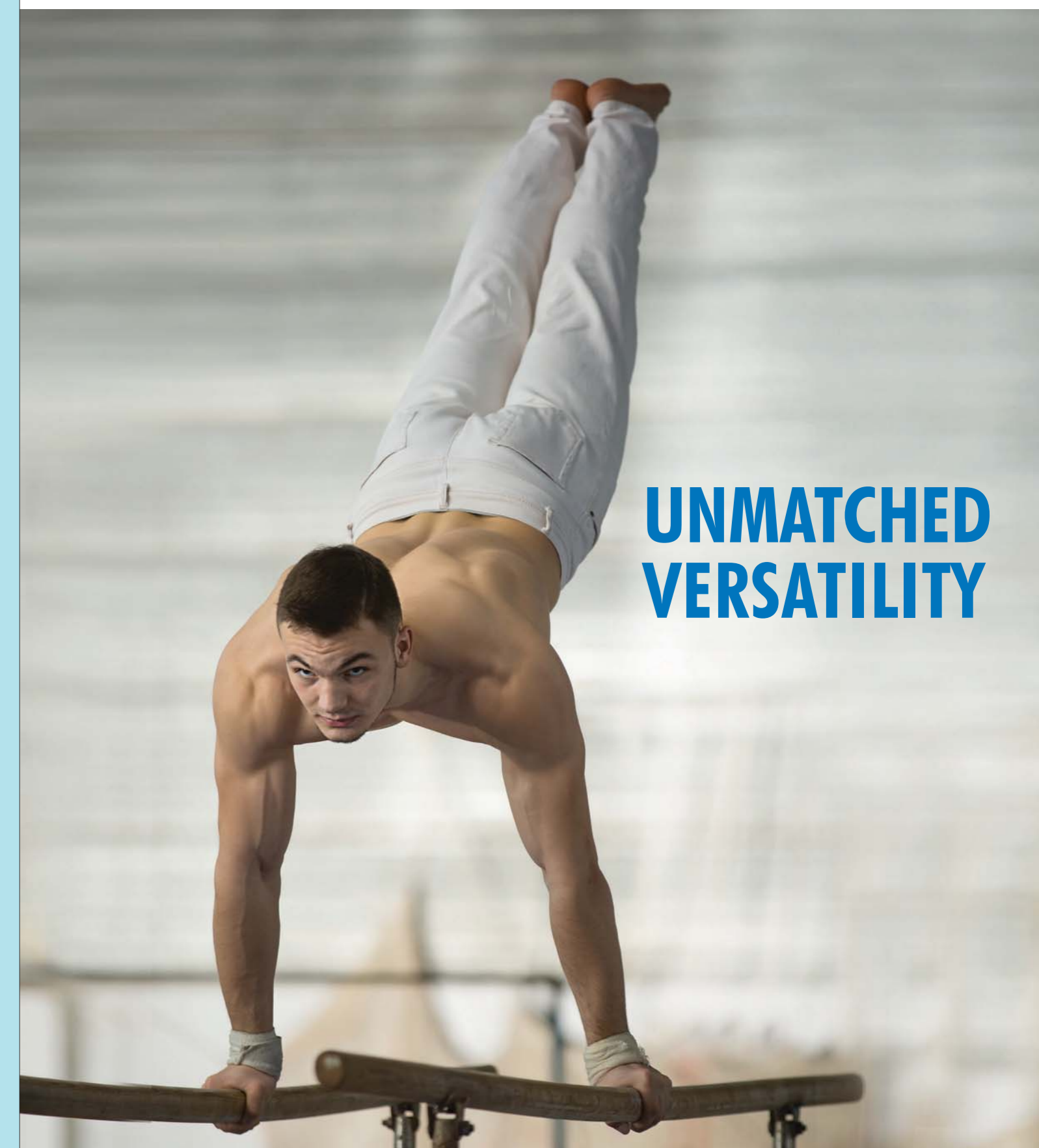
SPECIFICATION

ANALYSIS	
System	Discrete random access multi-test analysis
Throughput	240 tests/hour constant (400 tests/hr. with ISE module)
Methods	End point, Fixed time, Kinetic, Differential, ISE
Calibration curve	7 types (Cubic Spline, Linear Regression, Logit Log 4P, Piecewise Linear, Poly 2, Poly 3, Poly 4)
SAMPLE	
Position	49 (dynamic use for any routine and STAT samples, standards/calibrators and QCs)
Volume	1-300 µl
REAGENT	
Position	44
Volume	1-450 µl
Cooling temperature	14°C below ambient temperature, Typically 12°C ± 2°C
REACTION	
Reaction Cuvette	80 long-life Bionex® Cuvettes
Typical reaction volume	200-450 µl
Reaction temperature	37°C ± 0.2°C
Photometry	
Photometry	8 long-life filters (340,405,492,505,546,578,630,700)nm + 1 free position
Optical source	Tungsten halogen lamp
Photometric linearity	0 - 3.0 Abs
ISE MODULE (optional)	
Test type on serum, plasma and diluted urine	Na+, K+, Li+, Cl-
INTERFACE	
Operating system	Windows® XP/ Windows® 7/Windows® 8
Barcode reading for reagents and samples	Available
POWER SUPPLY & DIMENSION	
Input voltage	100-240V AC, 50-60 Hz
H x W x D (in mm)	600 x 925 x 740
Weight	60 kg



Mumbai · Delhi · Bangalore · Hyderabad · Kochi

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UNMATCHED VERSATILITY

Features that testify unmatched versatility

TurboChem 240



Reagent & Sample Probes:

- Backed by new-generation maintenance-free diluter
- Dip & sip mixing in all stages
- Probe crash prevention & bubble elimination facility

On-board Laundry:

- 8 stage washing and drying with intermediate cuvette verification
- Exclusive probe wash for potentially interfering assays



Reaction Carousel:

- Individually positioned cuvettes
- Reusable long-life Bionex[®] reaction cuvettes



Reagent Carousel:

- On-board reagent cooling to ensure reagent stability
- Dedicated system pack reagents for superior performance

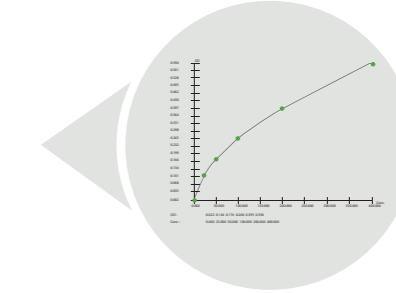
Sample Carousel:

- Removable sample rack
- Automatic pre & post dilution of samples
- Compatible with primary tubes and sample cups

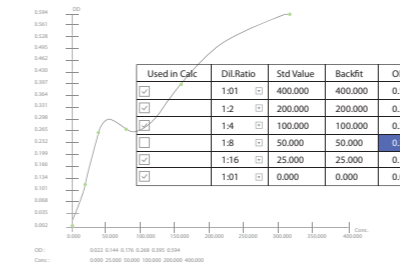


KEY VALUE PROPOSITIONS

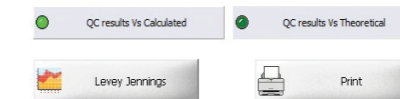
Used in Calc	Dil.Ratio	Std Value	OD
<input checked="" type="checkbox"/>	1:01	400,000	0.594
<input checked="" type="checkbox"/>	1:2	200,000	0.395
<input checked="" type="checkbox"/>	1:4	100,000	0.268
<input checked="" type="checkbox"/>	1:8	50,000	0.176
<input checked="" type="checkbox"/>	1:16	25,000	0.114
<input checked="" type="checkbox"/>	1:01	0,000	0.002



Programmable auto-serial dilution of calibrators



Curve editing facility for multi-point calibration



3 level L-J graph with lab mean and theoretical mean



Washing of only used cuvettes ensures less water consumption



Quadra peltier cooling guarantees excellent on-board reagent stability

EMPOWERED BY



Immediate Response & Quicker Solution

WINNER OF MEDICALL INNOVATION AWARD 2015

- Real time fault detection and on-line condition monitoring
- Interactive trouble shooting and on-line application support
- Reduced break down time and minimal revenue loss

