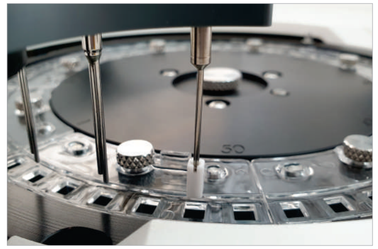
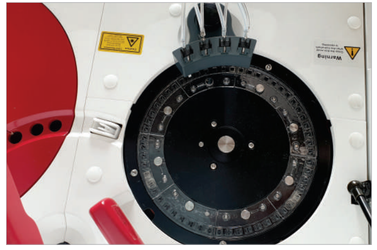
MISPA CXL PRO Plus

Random Access Clinical Chemistry Analyser

EFFICIENT LAUNDRY SYSTEM

- Laundry system adopting 7 stops, 11 steps
- Vacuum draining liquid, detergent and warm water rinsing ensures guaranteed accuracy
- Water consumption of 4 L/hour





SEMI PERMANENT REACTION CUVETTE

- Rigid semi permanent reaction cuvette, with good penetrating of Ultraviolet (UV)
- Reaction cuvettes ensures cost savings with enhanced durability of 9 to 12 months
- 1 Set 7 Pieces | 8 Sets 56 Pieces | Cuvette optical path of 5mm

CALIBRATION & QC PROGRAM

- Linear and non-linear calibration with 9 types of calibration curve
- 6 different levels of calibration for each item can be programmed
- QC with Westgard multi rules
- QC plot with L-J and cumulative statistics
- Automatic error reporting complaint with lab QC management

BETTER TECHNOLOGY FOR BETTER PERFORMANCE

Technical Specifications

System Function	
Description	Fully Automated, discrete, random access clinical chemistry analyzer
Measuring principle	Spectrophotometry
Photometric throughput	Up to 240 tests/hour
Photometric system	HCFG rear spectrophotometry
Methodology	End point, Fixed time, Kinetic, Single & Dual reagent chemistries Mono & Bi chromatic, Linear & non-linear multipoint calibration
Optical System	
Light source	Halogen - Tungsten lamp (12V/20W)
Monochromator	Grating Photometry (Holographic Concave Flat Field Grating)
Wavelength	340nm, 380nm, 405nm, 450nm, 480nm, 505nm, 546nm, 570nm, 600nm, 660nm, 700nm, 750 or 800nm
Linear range	0 ~ 3.3 Abs
Detector	Photodiode array
Reagent/Sample Handling	
Reagent/Sample tray	Multi-functional reagent and sample carousel
Reagent/Sample position	Up to 80 positions
Sample cuvette specification	Standard cup, original blood tube, multi-specification tube (10~13) x (75~100) mm
Sample reagent probe	Digital liquid level detection and vertical collision protection
Sample dilution	Pre & Post dilution facility
Reagent volume	10~300 µl
Sample volume	2~35 µl
Dilution vessel	UV plastic semi permanent cuvette
Reagent bottle volume	20 & 70 ml
Reaction System	
Reaction cuvette	56 positions optical plastic cup
Reaction volume	100~360 µl
Reaction temperature	37±0.1°C
Reaction disk constant temperature	Thermostat air bath
Mixing system	Teflon coated stirrer with triple speed mixing mechanism
Laundry system	Efficient system adopting 7 stops, 11 steps
Operation Unit	
PC operation system	Windows 7 or Windows 10
PC configuration	CPU > 2.9 Ghz (dual core processor); RAM > 4 GB; Harddisk > 160 GB
Analysis control	Graphical operating software
Report printing	Supports user-defined mode, QC and state information etc
System connection	TCP/IP network connection, standard RJ-45
Calibration & Quality Control	
Calibration method	Linear (One-point, two-point and multi-point), Logit-Log 4P, Logit-Log 5P, Spline, Exponential, Polynomial
Quality control method	Real-time, daily, monthly & QC chart | Visual QC assessment | QC histroy checking QC error analysis
Parabola control rules	Westgard multi-rule, L-J chart
Working Conditions	
Power supply	100~240 VAC | 50/60Hz | Power 600VA
Ambient temperature	15°C~25°C
Relative humidity	40% ~ 85%
Atmospheric pressure	70-106kPa
Water consumption	4L/hour
Dimensions (LxWxH)	744x703x530 mm
Weight	Approx. 100 kg

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ISO 9001:2015
EN ISO 13485:2016 CE

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MISPA CXL PRO Plus

Random Access Clinical Chemistry Analyser

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MISPA CXL PRO Plus

Random Access Clinical Chemistry Analyser

Mispa CXL Pro Plus is a compact, fully automated clinical chemistry analyzer with photometric throughput of 240 tests per hour. Mispa CXL Pro Plus has Holographic Concave Flat Field Grating (HCFG) rear spectrophotometry system designed for best reliability and maximum accuracy. On-board washing and cleaning system in Mispa CXL Pro Plus adopting 7 stops 11 steps, ensures minimum carryover and precise result delivery. Mispa CXL Pro Plus is the best in the class with grating, mixing, washing and user-friendly classic features.

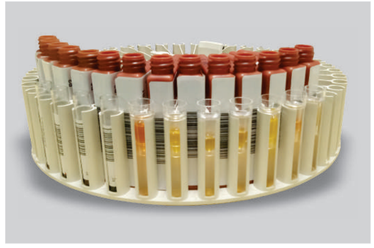
PURPOSEFULLY BUILT FOR PERFORMANCE

MISPA CXL PRO Plus

Random Access Clinical Chemistry Analyser

SAMPLE/REAGENT PIPETTING MECHANISM

- Probe with digital liquid level detection and vertical collision protection
- Analyzer has special degassing device to remove air dissolved in tube for accurate pipetting
- Syringes are made of long life high precision ceramic piston, ensures minimal maintenance
- 60nm polished probe with nano coating technology
- Thermostat air bath to ensure temperature of 37±0.1° C

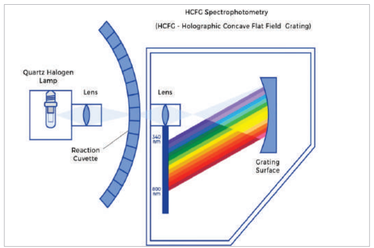


MULTI-FUNCTION SAMPLE & REAGENT CAROUSEL

- 40 reagent and 40 sample positions with anywhere anytime STAT facility
- 24 hours continuous cooling condition ensures quality of reagent, control and calibrator
- Can accommodate 20ml and 70ml reagent bottles
- Barcoded tailor-made dedicated system reagents
- Standard cup, original blood tube, multi-specification tube (10~13) x (75~100) mm

PROVEN HCFG PHOTOMETRY SYSTEM

- Monochromator with holographic concave flat field grating (HCFG), rear spectrophotometric 12 ways parallel measuring technology, reduces ambient light interferences to get accurate result.
- Photospot technology to reach super micro analysis.
- Specially designed lamp placement to reduce signal attenuation and interference.



EXPERIENCE THE ULTIMATE PERFECTION

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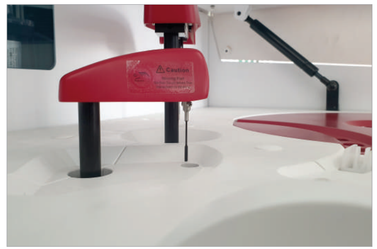

TRIPLE SPEED MIXING MECHANISM

- Teflon coated stirrer, to avoid liquid suspension and reduce cross contamination
- Triple speed mixing mechanism is highly efficient for latex based assays
- Flat paddle stirrer design with swirl rinsing offers homogeneous mixing

STEP UP TO THE BEST QUALITY