

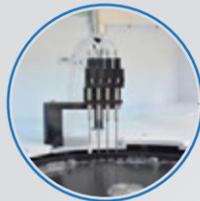
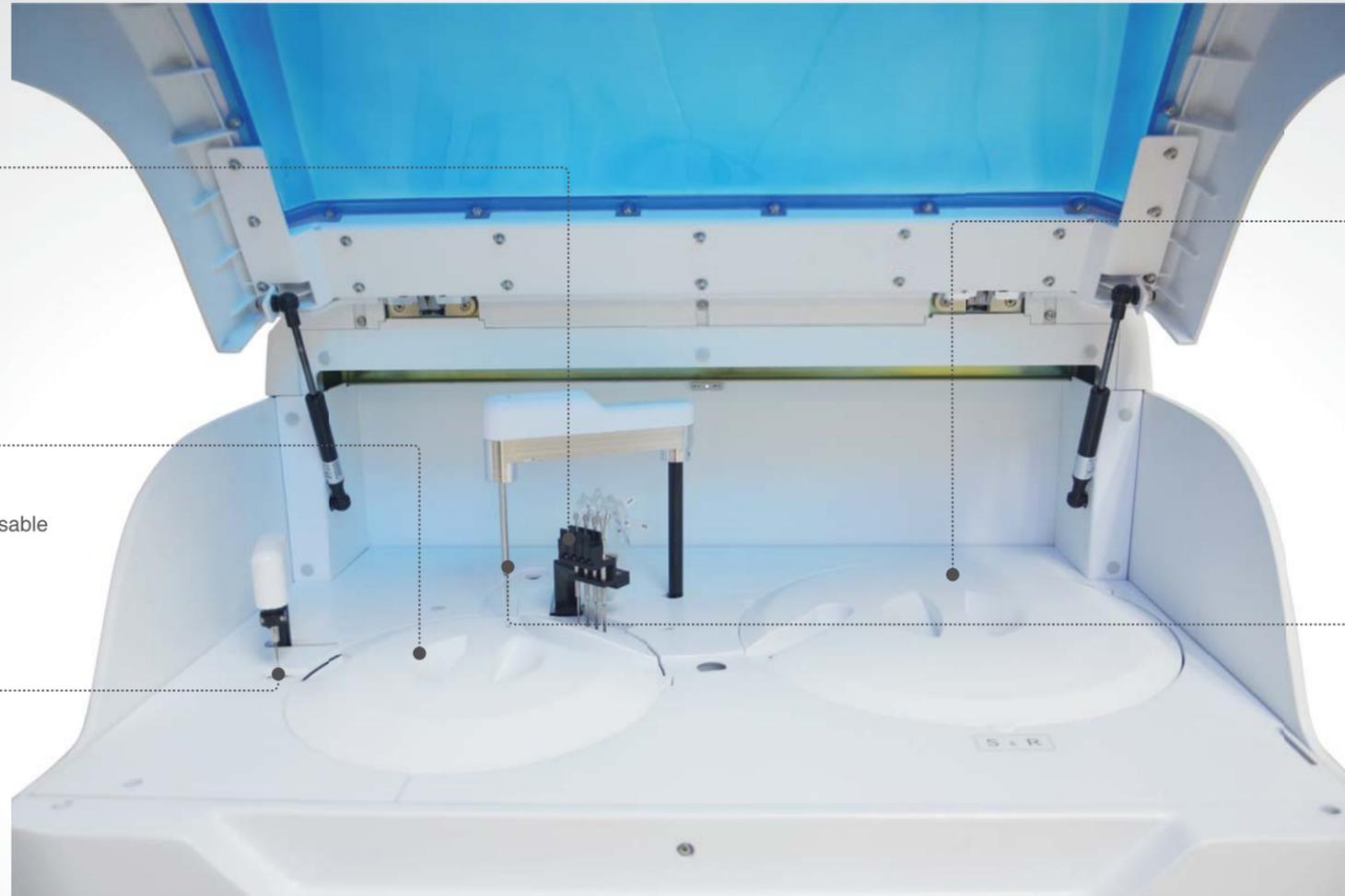
# Biossays 240 Plus

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Automatic Biochemistry Analyzer



# Biossays 240 Plus



### Washer

- 4-step cuvette washing procedure
- Wash with pre-heated pure water and auto-diluted detergent
- Automated cuvette wash & cell blank



### Reaction Disk

- 80 reaction cuvettes, Optical plastic, Reusable
- 100  $\mu$ L minimum reaction volume
- Reaction time: 12 min, 32 min



### Mixer

- Mixer Wash with pre-heated water before mixing
- 1400 rpm high speed flat mixing bar
- Simple structure for maintenance



### Sample & Reagent Disk

- Up to 90 sample positions, continuous loading
- Supporting polytype primary tube & microcontainer cup
- Up to 90 reagent positions
- Continuously loading during measurement



### Sample & Reagent Probe

- 2.0  $\mu$ L - 35.0  $\mu$ L sample volume with stepping 0.1  $\mu$ L
- 20  $\mu$ L - 350  $\mu$ L reagent volume with stepping 1  $\mu$ L
- Anti-collision and self-recovery function
- Highly polished to prevent cross-contamination
- Liquid level detection and clot detection

## Test Menu



### Cardiac

CK  
CK-MB  
 $\alpha$ -HBDH  
LDH  
\*LDH1



### Pancreatic

$\alpha$ -AMY  
\*LIP



### Inorganic Ion

\*Fe (Iron)  
\*Ca  
\*P (phos)  
\*Mg



### Diabetes

GLU  
\*LAC  
\*HbA1c



### Hepatic

TBA                      \*Ammonia  
ALT (SGPT)            \*PA  
AST (SGOT)           \*CHE  
ALP                        \*AFU  
GGT  
TBIL  
DBIL  
TP  
ALB



### ISE

Na  
K  
Cl  
Ca  
pH



### Lipids

HDL-C  
LDL-C  
TC  
TG  
ApoE  
Lp(a)  
Hcy  
\*ApoA1  
\*ApoB



### Renal

Cr (CREA)  
Uric Acid  
Urea  
\*Cysc  
\*mALB  
\* $\alpha$ 1-MG  
\* $\beta$ 2-MG



### Special Protein

\*ASO                      \*C3  
\*RF                        \*C4  
\*CRP (Full Range)    \*ACP  
\*UIBC                     \*Transferrin  
\*Urine/CSF Protein  
\*G6PD  
\*IgA  
\*IgM  
\*IgG

# Biossays 240 Plus

## Features

- Close system and open system is optional
- High efficient washing station for cuvettes
- Random access, continuous loading
- Incorporated with liquid level sensor, volume tracking, collision detection and clot detection
- 24 hours refrigeration system with separate switch
- Unlimited STAT position
- Diffraction grating filter with 16 standard filters in the range 340nm-800nm
- Automatic cuvette & water blank check
- Real-time reagent levels monitoring, displaying and alerting function
- Calibration options with 1-Point Linear、 2-Point Linear、 Multi-Point Linear、 Non-Linear、 K Factor

## Specifications

Equipment type	Automatic discrete, unlimited STAT priority
Throughput	240 tests/hour
ISE	Optional (200 tests/hour)
Measuring principle	1-Point Endpoint、 2-Point Endpoint、 2-Point Rate、 Rate A、 ISE technology
Sample type	Serum; Plasma; Urine; CSF
Sample volume	Biochemistry: 2.0 $\mu$ L-35.0 $\mu$ L; ISE: 90.0 $\mu$ L
Sample handling	up to 90 sample positions, continuous loading
Reagent handling	up to 90 reagent positions, continuous loading, 24 hours refrigeration function with separate switch
Reagent volume	20 $\mu$ L-350 $\mu$ L
Reaction temperature	37.0 $^{\circ}$ C $\pm$ 0.2 $^{\circ}$ C
Reagent bottle volume	10mL+30mL、 50mL
Reagent time	12 min/32 min
Wavelength	16 wavelengths, 340nm, 380nm, 405nm, 450nm, 480nm, 505nm, 546nm, 570nm, 600nm, 630nm, 660nm, 700nm, 720nm, 750nm, 780nm, 800nm
Dispensing system	Sample & reagent probe with liquid level detection and clot detection
Mixing system	1 independent paddle stirrer
Dilution	Auto-dilution
Power supply	a.c.100V-240V, 50/60Hz
Barcode type	code 128, code 39, code 93, codabr, 2/5 Interleaved
Reaction volume	100 $\mu$ L-380 $\mu$ L
Cuvette	80 optical plastic cuvettes, reusable, optical diameter is 5mm
Light source	20 W/12V, halogen lamp, 2000 H
Absorbance range	0 ABS-3.5 ABS
Water consumption	Maximum 3.0 L/H (2.0 L/H;Single Reagent)
Weight	68 Kg
Dimension	L x W x H= 730mm x 500mm x 620mm (28.74in x 19.69in x 24.41in)



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