



MEDVAL  
healthcare

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## Technical Specifications

### General Information

Throughput	Up to 480 tests/hour
Measurement Principle	Micron superparamagnetic particles platform With alkaline phosphatase (ALP) labeled reagents And AMPPD substrate

### Sample Assembly

Sample Feeder	Continuous sample loading and offloading By sample racks
Sample positions	10 positions per rack, up to 30 racks in one batch
Sample Probe	Steel probe, liquid level detection, clot detection, Horizontal and vertical collision protection
Sample Volume	10~200ul, with increment of 1ul
Sample Dilution	Automatic dilution with 1:2~1:80

### Reagent Assembly

Reagent Disk	36 reagent positions, continuous loading, real-time mixing for magnetic particles
Cooling System	2~8 °C
Reagent Pack	50 tests/pack, 100 tests/pack
Reagent Scanning	Built-in/External bar code reader
Reagent Probe	Steel probe, liquid level detection, clot detection, Horizontal and vertical collision protection
Reagent Volume	10~200ul, with increment of 1ul

### Substrate System

Substrate Bottle	300/500 tests per bottle
Substrate Loading	Capable of continuous loading during testing
Substrate Heating	Constant heating
Aspiration Volume	200ul

### Magnetic separation unit

Separation Assembly	4-phase magnetic separation
Temperature Accuracy	37±0.3 °C

### Measurement and Reaction System

Detection Mode	Photon counting
Signal Detector	Photomultiplier (PMT) photo counter
PMT Calibration	LED reference module
Temperature	Accuracy: 37±0.3 °C
Mixing Unit	Non-touch vortexer mixing
Cuvette	Disposable plastic cuvette
Cuvette Loading	Continuous loading and offloading

### Working conditions

Dimension	2150mm*1166mm*1300mm (W*D*H)
Weight	580Kg
Noise	<65dBA
Altitude Height	-400m~4000m

## CL-6000i

Chemiluminescence Immunoassay system

# more than fast



www.mindray.com

P/N:ENG-CL-6000i-210285X8P-20220725  
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healthcare within reach

# Fast because of Intelligence



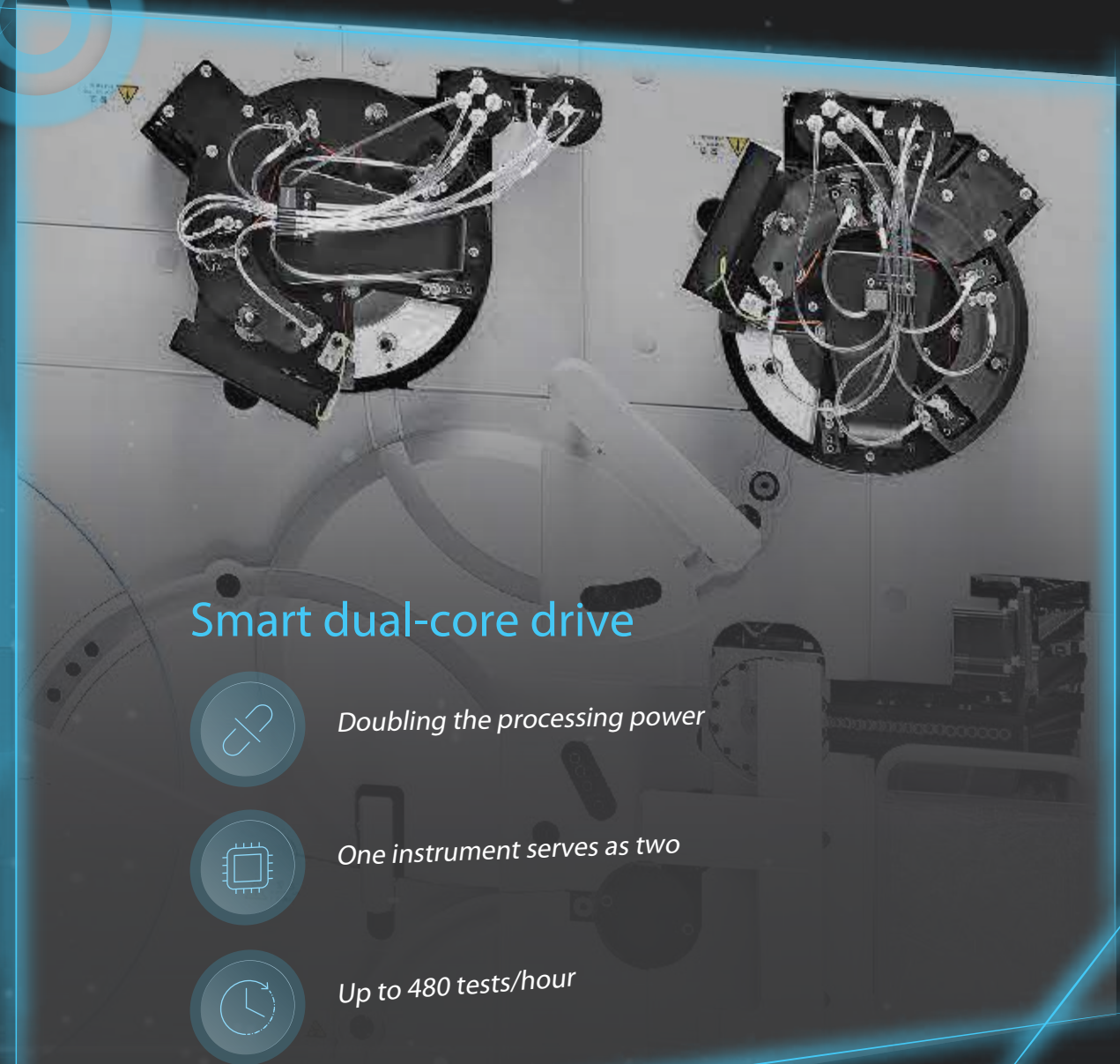
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CL-6000i

## Consumables real-time monitoring



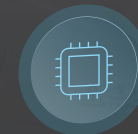
All consumables can be loaded continuously without interruption



## Smart dual-core drive



*Doubling the processing power*



*One instrument serves as two*



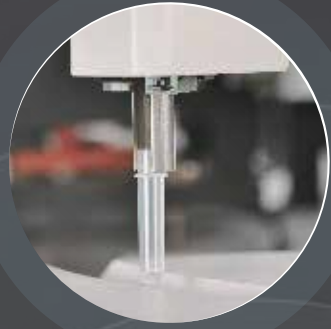
*Up to 480 tests/hour*



# Fast because of Fluency



Fully automated maintenance



Liquid-solid waste separation  
More environmental friendly



Uniquely designed buffer disk to  
reduce cuvette jam











Up to 300 samples can be loaded and  
offloaded continuously



2~8 °C refrigerated reagent  
carousel featured 36 positions



# Test menu

<p><b>Thyroid</b></p>  <p>FT3 FT4 T3 T4 TSH Anti-Tg Anti-TPO Tg rT3 TRAb</p>	<p><b>Infectious Disease</b></p>  <p>HIV Combo HBsAg Anti-HBs HBeAg Anti-HBe Anti-HBc Anti-HCV** Anti-TP (Syphilis) HAV IgM*</p>	<p><b>Fertility</b></p>  <p>Total β-HCG FSH LH Prolactin Estradiol Estriol TESTO PROG AMH Free testosterone* 17-OH PROG* SHBG*</p>	<p><b>Tumor marker</b></p>  <p>CEA AFP CA125 CA15-3 CA19-9 Free PSA Total PSA NSE CYFRA 21-1 CA72-4 PG I PG II SCCA HE4 ProGRP CA50 CA242 PIVKA-II* AFP-L3%* Hp IgG* G-17*</p>	<p><b>Bone Metabolic</b></p>  <p>Intact PTH Calcitonin Vitamin D total</p>	<p><b>Cardiac</b></p>  <p>CK-MB Myoglobin Troponin I BNP NT-proBNP*</p>
<p><b>Diabetes</b></p>  <p><b>DM</b> Insulin C-peptide</p>	<p><b>Adrenal Function</b></p>  <p>DHEA-S Cortisol ACTH</p>	<p><b>Liver Fibrosis</b></p>  <p>Laminin Hyaluronic Acid PIIINP Collagen IV</p>	<p><b>COVID-19</b></p>  <p>SARS-COV-2 IgG SARS-COV-2 IgM SARS-COV-2S-RBD IgG SARS-COV-2 Neutralizing Antibody</p>	<p><b>ToRCH</b></p>  <p>Toxo IgG Toxo IgM Rubella IgG Rubella IgM CMV IgG CMV IgM HSV-1/2 IgG* HSV-1/2 IgM* HSV-1 IgG* HSV-2 IgG*</p>	<p><b>Growth Hormone</b></p>  <p>GH* IGF-1*</p>
<p><b>Anemia</b></p>  <p>Ferritin Vitamin B12 Folate RBC Folate</p>	<p><b>Hypertension</b></p>  <p>Renin Aldosterone</p>	<p><b>Inflammation</b></p>  <p>Procalcitonin IL-6 sCD14-ST</p>	<p><b>DS' Screening</b></p>  <p>PAPP-A* Free β-HCG*</p>		

\*: Under development  
\*\*: Non-CE

