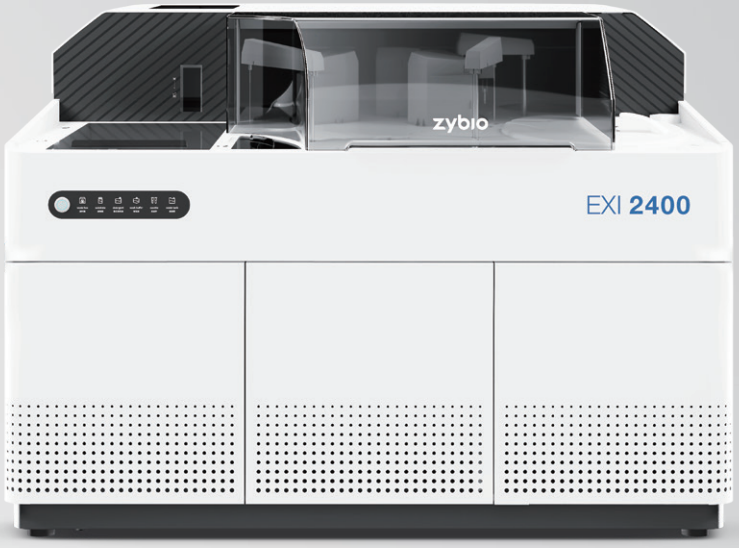
zybio

Chemiluminescence Immunoassay Analyzer

EXI2400



CLIA

www.zybio.com

Chemiluminescence Immunoassay Analyzer EXI2400

EXI2400 is a floor-standing fully automated chemiluminescence immunoassay analyzer offering up to 240 tests per hour with ALP-AMPPD principle. Advanced Ag/Ab indirect coating technology and efficient magnetic separation technology can effectively ensure the precision and accuracy of detection. EXI2400 adopts sample rack to load samples, which makes sample loading more flexible and efficient. Independent entry of STAT samples to minimize sample turn-around time. In addition, the EXI2400 has a longer walk-away automated testing period based on its consumables dual backup design and larger onboard capacity. In a word, with a comprehensive test menu, EXI2400 could be a preferred choice to cover most requirements of end-users.

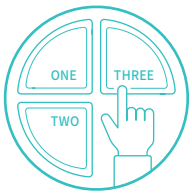


Features



Best-in-class Technology

- Biotin-streptavidin indirect Ab/Ag coating technology
- Real magnetic separation and re-suspension technology
- Optimized substrate reaction system



Convenient Operation

- Sample loading by rack, continuous loading during detection
- Consumables dual backup design, automatic switch during detection
- Bi-directional LIS connection, multi-language software available
- Free of charge liquid calibrators and controls, ready to use





Reliable Result

- Refer to the pioneer enterprises, sufficient internal and external comparison
- Built-in master curve, 2-3 points calibration by end-user
- Homogeneous reaction system



Productivity-First

- 240 tests per hour
- 12.8 mins to get first result
- Independent STAT sample entry, 30 s response time

Test Menu

Thyroid	TSH, FT3, T3, FT4, T4, Anti-TPO, Anti-TG, TG, TRAb*
Fertility	PROG, TESTO, E2, PRL, LH, FSH, β-HCG, AMH
Inflammation	PCT, IL-6
Cardiac	MYO, cTnI, CK-MB, NT-proBNP, D-Dimer, BNP, Lp-PLA2*, ST2*
Diabetes	C-Peptide, INS
Tumor Marker	CEA, CA125, CA19-9, CA15-3, CA 50, CA 242, CA 72-4, Cyfra 21-1, SCCA, NSE, pro-GRP, HE4, Ferr, AFP,Total PSA, Free PSA, PIVKA-II*
Gastric Function	PG I, PGII, G-17
Renal Function	NGAL*
Anemia	Vitamin B12, Folate*, sTfR*
Hypertension	ACTH*, Cortisol*, Renin*, ALD*
Bone Metabolism	25-OH Vitamin D, iPTH*
Growth	GH*
SARS-CoV-2	SARS-CoV-2 antibody, SARS-CoV-2 neutralizing antibody, SARS-CoV-2 IgM, SARS-CoV-2 IgG
Infectious Disease	HBsAg*, Anti-HBs*, HBeAg*, Anti-Hbe*, Anti-HBc*, Anti-HCV*, HIV(Ag+Ab)*, Syphilis*
Coagulation	TAT*, PIC*, TM*, tPAI·C*, FDP*
Immunoglobulin	IgE*
Hepatic Fibrosis	HA*, LN*, IV-C*, PⅢNP*
Pulmonary Fibrosis	KL-6*

* In Development



Technical Specifications

General Information	
Throughput	240 tests/hour
Measurement Principle	Micron superparamagnetic particles platform+ALP+AMPPD
Sample System	
Sample Capacity	100
Sample Loading	5-position rack, continuous loading during detection
Sample Probe	1 steel probe, liquid level detection, clot detection, collision protection
Sample Volume	5-100 μL, with increment of 1 μL
Sample Type	Serum, plasma, urine, etc.
Sample Tube	Micro cuvettes and original blood sampling tube
Reagent System	
Reagent Position	28 (25 routine reagents and 3 consumables)
Reagent Size	50 tests/kit, 100 tests/kit
Cooling System	2-8 °C, 24 hour cooling
Reagent Scanning	Built-in/External barcode reader
Reagent Probe	2 steel probes, inventory detection, collision protection
Reagent Volume	20-150 μL, with increment of 1 μL
Substrate System	
Substrate Loading	Backup design, support continuous loading and switching
Substrate Specification	50 mL/bottle, 100 mL/bottle
Substrate Heating	Constant heating
Incubation and Magnetic Separation System	
Incubation Temperature	37°C±0.5°C
Incubation Positions	180
Separation System	3-phrase magnetic separation
Measurement and Reaction System	
Detection Mode	Photon counting
Signal Detection	PMT photon counter
Temperature	37°C±0.5°C
Mixing Unit	Non-contact vortex mixing
Operation System	
Windows 10 system, LIS, LAN port, RS232 port and USB port	
Flexible report printing	
Cuvette Loading and Waste Collection	
Cuvette	Disposable single cuvette
Cuvette Loading	Auto-loading, up to 1200 cuvettes, continuous loading
Waste Collection	2 waste containers, 800 cuvettes per box
Working Conditions	
Power Supply	100-240 V~, 50/60 Hz
Input Power	6000 VA
Operation Temperature	10-30 °C
Relative Humidity	35% RH~85% RH, without condensation

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