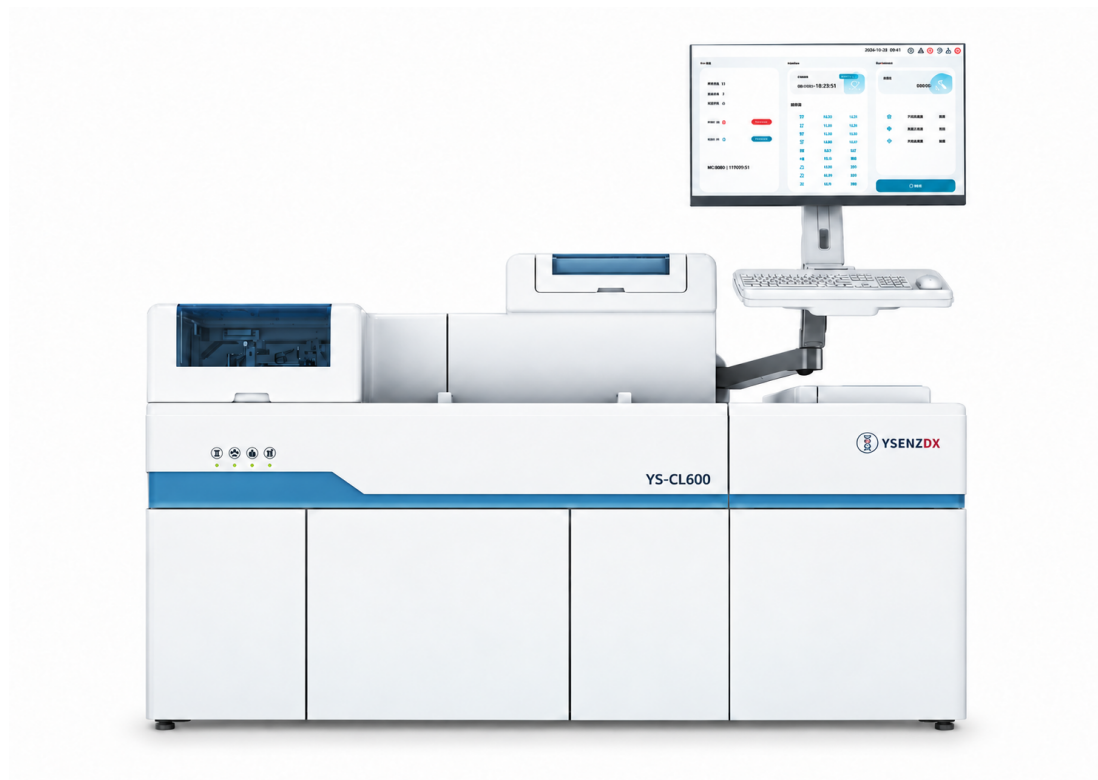


YS-CL600

Automatic Chemiluminescence Immunoassay Analyzer

Magnetic-bead chemiluminescence with high-capacity sample loading and priority handling for urgent tests.

**600**

tests/hour

310

sample positions

50

reagent positions

288

incubation positions

Dedicated urgent-sample track

Priority sample access alongside routine sample handling.

Dual reagent trays

Independent reagent-tray operation with magnetic-bead mixing and RFID identification.

Expandable configuration

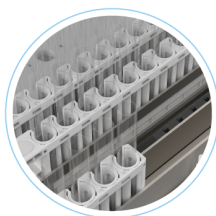
Connect 1-4 analyzers; combined throughput up to 2,400 tests/hour.

YS-CL600 / SYSTEM DETAILS

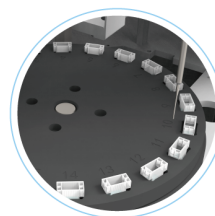
System features



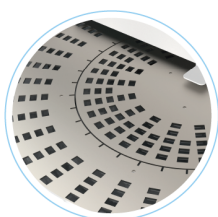
Double reagent tray, back-up reagent needle, 50 refrigerated reagent positions, RFID recognition.



Parallel operation of priority emergency track, regular sample track, and sample return track, ensures extreme efficiency of detection procedure.



Innovated reaction cup tray offers 37 °C precise temperature control, improving reaction efficiency.



288 incubation positions, Matrix-type solid direct heating, dual-cycle bidirectional automatic scheduling.



310 sample positions, sample rack loading module, basket-type loading.



Pouring addition of reaction cups, maximum 3,000 at one time.



Double substrate solutions and back-up washing solution.



Priority channel for emergency samples, 15 seconds to reach detection area.

YS-CL600 / PRODUCT DETAILS

Technical specifications

Principle	Magnetic beads; acridinium ester-labeled direct chemiluminescence
Throughput	600 tests/hour per analyzer
Connected configuration	1-4 analyzers; up to 2,400 tests/hour combined
Time to first result	9 minutes; timing depends on the assay and workflow
Floor space	2.1 m ² per analyzer
Sample positions / type	310 / serum and plasma
Sample volume	5-200 µL
Urgent samples	Dedicated emergency-sample track; priority testing
Sample-tube loading	Mixed loading of different sample-tube types
Incubation positions	288
Incubation method	Matrix-type solid direct heating; 37 °C reaction temperature
Simultaneous test items	50
Reaction-cup storage	3,000 cups; bulk loading
Reagent positions	50; automatic magnetic-bead mixing
Reagent loading	Dual independently operating reagent trays
Reagent volume	5-200 µL
Calibration / QC	Automatic calibration and quality control
Optional pre-processing	Automatic decapping, centrifugation and sample-quality recognition
Optional post-processing	Automatic recapping and automatic QC
Power supply	220 V ±22 V; 50 Hz ±1 Hz
Dimensions (L × W × H)	1860 × 1155 × 1370 mm
Weight	400 kg

Cleaning and closed handling

Magnetic-bead separation, the cleaning mechanism and a low-reflection detection chamber support the analytical workflow. Solid-liquid waste separation and a closed sampling module help limit manual intervention.



Optional modules and connected configurations are specified separately. Confirm the selected configuration and assay requirements before ordering.

IMMUNOASSAY REAGENTS

Reference assay portfolio

Assays organized by clinical application. Confirm the selected reagent configuration and local availability.

Thyroid

T3, T4, FT3, FT4, TSH, TG-Ab, TPO-Ab, TG

Fertility

LH, PRL, FSH, progesterone, E2, testosterone, HCG, total β -HCG

Prenatal screening

Pregnancy AFP, PAPP-A, free β -HCG, uE3

Tumor markers

Ferritin, VEGF, S100, PG I, PG II, AFP, CEA, G-17, CA15-3, CA125, CA19-9, CA50, CA72-4, NSE, β 2-MG, CA242, SCC, proGRP, CYFRA21-1, HE4, PSA, f-PSA, TPS, S100 β , PACP

Cardiac markers

NT-proBNP, MYO, h-FABP, cTnI, CK-MB, D-dimer, MPO, BNP, sST2, Lp-PLA2, hs-cTnI

Inflammation

PCT, IL-6, CRP, SAA

Bone metabolism

PTH, 25-OH vitamin D

Anemia

Folate, vitamin B12, sTfR

Diabetes

INS, C-P

Infectious disease

HIV Ag/Ab, HCV Ab, TP Ab, HBsAg, HBsAb, HBeAg, HBeAb, HBcAb

Respiratory diseases

MP IgG, MP IgM, Cpn IgG, Cpn IgM, RSV IgM, AdV IgM, FLU-A IgM, FLU-B IgM, CBV IgM

Liver fibrosis

CG, HA, LN, C IV, PIIIN-P, FN

Renal

PLA2R IgG

Listing an assay does not imply identical registration or availability in every market. Confirm the current reagent instructions, pack size and regulatory documentation for the destination country.