

YD-C200 | Automatic

Automatic Biochemistry Analyzer



Branding visualization. Supplied finish is subject to order confirmation.

Automated routine clinical chemistry in a compact benchtop system, with refrigerated reagents, automatic reaction-cuvette washing and up to 200 tests per hour.

200 tests/hour

Routine chemistry
throughput

48 positions

Sample capacity

40 positions

Reagent capacity

50 positions

Reaction capacity

Automated liquid handling

Reagent and sample dispensing with liquid-level sensing, anti-collision protection and reagent-volume monitoring.

Refrigerated reagents

A cooled reagent compartment supports reagent storage during operation, with real-time monitoring.

Automatic cuvette washing

Multi-stage automatic cleaning supports repeated reaction-cuvette use. A coated stirring mechanism helps reduce contamination.

YD-C200 | Workflow & specifications

01

Prepare

Prepare samples and compatible reagents according to their instructions for use.

02

Load and program

Load the sample and reagent positions; select the required tests and confirm setup and quality control.

03

Run and review

Start the automated analytical sequence, then review results and quality-control status before reporting.

Overview only. Follow the instrument and reagent instructions, including calibration, quality control and maintenance.

Test speed	200 tests/hour
Sample positions	48
Reagent positions	40
Reaction positions	50
Reaction temperature	37 °C ± 0.1 °C; real-time monitoring
Reagent compartment	Refrigerated; circulating cooling
Liquid handling	Liquid-level sensing; anti-collision; reagent-volume monitoring
Cleaning	Automatic reaction-cuvette washing
Dimensions	622 × 428 × 527 mm
Weight	47.5 kg

YD-C200 | Reference reagent menu

Reference reagent menu from the supplied product literature. Availability and analyzer-specific application settings must be confirmed for each assay. Listed HbA1c testing is a chemistry assay, not HPLC hemoglobin-variant analysis. This is not a blood-gas analyzer.

Liver function

ALB, TP, ALP, ALT, AST, γ -GT, DB, TB, CHE, AFU, TBA, ADA, 5'-NT, mAST, CG, PA, MAO, GR

Blood lipids

CHOL, TG, HDL-C, LDL-C, NEFA, Lp(a), ApoA1, ApoB, ApoE, HCY, sdLDL-C, Lp-PLA2

Renal function

Urea, UA, Crea, CYS, β 2-MG, α 1-MG, NGAL, NAG, MALB, RBP

Cardiac markers

CK, CK-MB, LDH, cTnI, α -HBDH, LDH1, Myo, H-FABP, IMA, ACE

Inflammation

ASO, RF, CRP, hs-CRP, Anti-CCP, PCT, SAA

Specific proteins

IgA, IgG, IgM, C3, C4, Fg, AAG, HPT, TRF, AAT, IgG4, C1q, MMP3, KL-6

Glucose metabolism

GLU, FMN, HbA1c, GA, ADPN, β -HB

Minerals and related assays

Ca, P, CO₂, Cl, Mg, Fe, Cu, Zn

Pancreatic and other markers

α -AMY, LPS, PG I, PG II, SA, SOD

For professional use. Availability, application settings and regulatory status must be confirmed for the target market. Request compatible reagents and current documentation from our team.