

# Human IVD

## Instruments. Reagents.

## Connected support.

### ABOUT WISENZ

Wisenz Biotech Limited is an IVD commercialization and supply platform connecting international partners with selected diagnostic instruments, reagents and manufacturing resources from China.

With 10+ years of international IVD sales experience, we match products to market needs and coordinate product information, technical discussions, training arrangements and after-sales communication.

**HPLC · Hematology · Biochemistry · Rapid Tests**

For distributors, clinical laboratories and healthcare networks.



**UKGH-200**



**UKGH310**



**HC-5000**



**Huma 5000**



**YD-C400**



**YD-C200**



**YD-CS10**

### RAPID DIAGNOSTIC TESTS

Respiratory • Infectious diseases  
Gastrointestinal • Women's health  
Drug-of-abuse screening

# UKGH-200

## Glycohemoglobin Analyzer

Automated HPLC with original-tube puncture sampling, continuous loading and IFCC / NGSP reporting. Three selectable modes use the same reagent system.

**5  $\mu$ L**

Sample volume

**15**

Sample positions

**3%-18%**

HbA1c range

**3 modes**

Shared reagents

**1. Load**

Whole blood; original-tube sampling

**2. Select**

Routine, Variant or Thalassemia

**3. Review**

Check QC and chromatograms; report

**Method** High-performance liquid chromatography (HPLC)**Sample capacity** 15 sample positions plus CAL1/QC1, CAL2/QC2 and STAT**Reporting** IFCC and NGSP results reported simultaneously**Dimensions** 460 x 452 x 390 mm**Sample types** Venous whole blood or fingertip peripheral blood**Analysis wavelength** 415 nm +/- 5 nm**Connectivity** LIS connection**Net weight** 28 kg**Routine HbA1c**

Quantitative HbA1c analysis

**Variant**

Hemoglobin variant investigation

**Thalassemia**

HbA1c, HbF and HbA2 analysis

# UKGH310

## Automatic HPLC HbA1c Analyzer



Three-mode automated HPLC with original-tube puncture sampling, automatic cleaning and LIS connectivity. One reagent configuration supports all three modes.

**120 s**

Normal mode

**5 µL**

Sample volume

**10**

Sample positions

**3%-18%**

HbA1c range

**1. Load**

Whole blood or diluted blood

**2. Select**

Choose the required analysis mode

**3. Review**

Check QC, chromatograms and results

**Test method** High-performance liquid chromatography (HPLC)**Sample types** Whole blood or diluted blood**Sample positions** 10**Dimensions** 300 × 480 × 500 mm**Linear range** 3%-18%**Sample volume** 5 µL**Rated power** 200 VA**Weight** 28 kg**Normal · 120 s**

HbA1c

**Variant · 180 s**

HbA1c / variant investigation

**Thalassemia · 360 s**

HbA1c, HbF and HbA2

# HC-5000

## 5-Part Hematology Analyzer



Routine CBC+DIFF analysis combining 3-angle laser scattering, flow cytometry, electrical impedance and cyanide-free hemoglobin measurement.

**60 / hour**

Throughput

**≤20 µL**

Sample volume

**25**

Reported parameters

**100,000+**

Stored results

### 1. Prepare

Mix the appropriate blood specimen

### 2. Analyze

Select whole-blood or pre-diluted mode

### 3. Review

Check flags, scatter plots and QC

#### Sample modes

Venous, peripheral and pre-diluted blood

#### Display

10.4-inch touchscreen

#### Connectivity

Two-way LIS / HL7; network and USB

#### Study parameters

ALY%, ALY#, LIC%, LIC#

#### Dimensions

280 × 470 × 460 mm

#### Weight

Approx. 22 kg

#### WBC differential

WBC, NEU#, LYM#, MON#, EOS#, BAS#, NEU%, LYM%, MON%, EOS%, BAS%

#### Red blood cells

RBC, HGB, HCT, MCV, MCH, MCHC, RDW-SD, RDW-CV

#### Platelets

PLT, MPV, PDW, PCT, P-LCC, P-LCR

# Huma 5000

## Multifunctional Blood Analyzer



AI microscopic imaging for WBC, RBC and platelets with colorimetric HGB measurement. Single-test packs support a compact workflow without a conventional liquid circuit.

**10 µL**

Blood sample

**8 minutes**

Time to result

**25**

Reported parameters

**5.6 kg**

Instrument weight

### 1. Collect

10 µL venous or capillary blood

### 2. Load & run

Prepare the single-test reagent pack

### 3. Review

Automated result output; review controls

**Sample** Venous whole blood or capillary blood

**Storage** 100,000 patient records

**Reagent format** Single-test pack

**Display / OS** 10.1-inch touchscreen / Android 12

**Printing** Bluetooth printer

**Dimensions** 274 × 245 × 415 mm

### WBC differential

WBC, NEU#, LYM#, MON#, EOS#, BAS#, NEU%, LYM%, MON%, EOS%, BAS%

### Red blood cells

RBC, HGB, HCT, MCV, MCH, MCHC, RDW-SD, RDW-CV

### Platelets

PLT, MPV, PDW, PCT, P-LCC, P-LCR

# YD-C400

## Automatic Biochemistry Analyzer



A 400-test-per-hour automated clinical chemistry system with 96 sample positions, 80 reagent positions and bidirectional LIS/HIS connectivity for routine laboratory workloads.

### 400 tests/hour

Analytical throughput

### 96 positions

Sample capacity

### 80 positions

Reagent capacity

### 90 positions

Reaction capacity

#### 1. Prepare

Select reagents, calibrators and controls

#### 2. Load & measure

Run the validated application settings

#### 3. Review & report

Check QC and review the analytical result

|                              |                                                |
|------------------------------|------------------------------------------------|
| Test speed                   | 400 tests/hour                                 |
| Reagent / reaction positions | 80 / 90                                        |
| Reagent volume               | 10-350 µL; 1.0 µL steps                        |
| Wavelengths (9)              | 340, 405, 450, 510, 546, 578, 620, 660, 690 nm |
| Connectivity                 | Bidirectional LIS/HIS; multiple report formats |
| Dimensions (L × W × H)       | 930 × 700 × 1130 mm                            |

|                     |                              |
|---------------------|------------------------------|
| Sample positions    | 96                           |
| Sample volume       | 1.5-50 µL; 0.2 µL steps      |
| Reaction volume     | 150-500 µL                   |
| Temperature control | 37 °C ± 0.1 °C               |
| Power               | AC 110/220 V ± 10%, 50/60 Hz |
| Weight              | 112 kg                       |

Reference reagent menus follow on pages 9-10. Confirm compatible reagents and application settings for each analyzer.

# YD-C200

## Automatic Biochemistry Analyzer



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

#### 1. Prepare

Select reagents, calibrators and controls

#### 2. Load & measure

Run the validated application settings

#### 3. Review & report

Check QC and review the analytical result

**Test speed** 200 tests/hour

**Reagent positions** 40

**Reaction temperature** 37 °C ± 0.1 °C; real-time monitoring

**Liquid handling** Liquid-level sensing; anti-collision; reagent-volume monitoring

**Dimensions** 622 × 428 × 527 mm

**Sample positions** 48

**Reaction positions** 50

**Reagent compartment** Refrigerated; circulating cooling

**Cleaning** Automatic reaction-cuvette washing

**Weight** 47.5 kg

Reference reagent menus follow on pages 9-10. Confirm compatible reagents and application settings for each analyzer.

# YD-CS10

## Semi-Auto Biochemistry Analyzer

A compact open-system chemistry platform with LED cold-light optics, flexible reaction methods and a clear touchscreen workflow for routine clinical laboratories.



### 7-inch

IPS touchscreen

### 10 positions

Incubation capacity

### 7 + 1

Wavelength channels

### 200,000+

Stored results

### 1. Prepare

Select reagents, calibrators and controls

### 2. Load & measure

Run the validated application settings

### 3. Review & report

Check QC and review the analytical result

#### Light source

LED cold light source

#### Wavelengths

340, 405, 450, 505, 546, 578, 630 nm; 1 optional channel

#### Display

7-inch IPS touchscreen; 1024 × 600

#### Flow cell / optical path

32 µL / 10 mm; cuvette support

#### Connectivity

WLAN; 2 USB; LIS support

#### Dimensions / weight

270 × 250 × 130 mm / approximately 3 kg

#### Methods

End-point, kinetic, two-point kinetic/fixed time; single/dual wavelength

#### Incubation

10 positions; selectable 25 °C, 30 °C and 37 °C

#### Printer

Built-in 57 mm thermal printer

#### Memory

8 GB; 300+ programs; 200,000+ results

#### Power

AC 100–240 V, 50/60 Hz

Reference reagent menus follow on pages 9-10. Confirm compatible reagents and application settings for each analyzer.

## CLINICAL CHEMISTRY

# Automatic chemistry reagent menu

YD-C200 / YD-C400 · Reference portfolio; confirm instrument-specific applications.

**Liver function**

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

**Renal function**

Urea, UA, Crea, CYS,  $\beta$ 2-MG,  $\alpha$ 1-MG, NGAL, NAG, MALB, RBP

**Inflammation**

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

**Glucose metabolism**

GLU, FMN, HbA1c, GA, ADPN,  $\beta$ -HB

**Pancreatic and other markers**

$\alpha$ -AMY, LPS, PG I, PG II, SA, SOD

**Blood lipids**

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

**Cardiac markers**

CK, CK-MB, LDH, cTnI,  $\alpha$ -HBDH, LDH1, Myo, H-FABP, IMA, ACE

**Specific proteins**

IgA, IgG, IgM, C3, C4, Fg, AAG, HPT, TRF, AAT, IgG4, C1q, ASO, RF, CRP, SAA, hs-CRP, Anti-CCP, PCT, MMP3, KL-6

**Minerals and related assays**

Ca, P, CO<sub>2</sub>, Cl, Mg, Fe, Cu, Zn

**Calibration and controls**

CMCAL, CMCON1, CMCON2 (supplier reference codes)

Assay availability depends on compatible reagents, calibrators, controls and validated applications. HbA1c listed here is a chemistry assay, not HPLC variant analysis.

## CLINICAL CHEMISTRY

# Semi-auto chemistry reagent menu

YD-CS10 · Open-system testing with compatible reagents and validated settings.

**Liver function**

ALT, AST, ALP, ALB, CHE, TBA, ADA, TP,  $\gamma$ -GT, TBIL, DBIL, GLDH, PA, GPDA, SA

**Glucose-related assays**

Glucose, HbA1c

**Electrolytes and minerals**

Ca, Mg, CO<sub>2</sub>, P, K, Na, Fe

**Pancreatic markers**

AMY, PAMY, LPS

**Blood lipids**

CHO/TC, TG, HDL-C, LDL-C, APOA, APOB, LP

**Renal function**

CREA, UREA, UA, MALB, CYCS

**Immunoproteins**

IgG, IgA, IgM, C3, C4, IgD, CRP, IgE, RF, ASO

**Cardiac markers**

CK, CKMB, LDH, cTnI

Assay availability depends on compatible reagents, calibrators, controls and validated applications. HbA1c listed here is a chemistry assay, not HPLC variant analysis.

# Respiratory rapid tests

## Respiratory infections

| Test / product                                | Specimen        | Format   | Pack size / options |
|-----------------------------------------------|-----------------|----------|---------------------|
| SARS-CoV-2 Antigen Test                       | N / NP / OP     | Cassette | 1 / 5 / 25 tests    |
| SARS-CoV-2 / Flu A&B Combo                    | N / NP / OP     | Cassette | 1 / 5 / 25 tests    |
| SARS-CoV-2 / Flu A&B / RSV Combo              | N / NP / OP     | Cassette | 1 / 5 / 25 tests    |
| SARS-CoV-2 / Flu A&B / RSV / ADV Combo        | N / NP          | Cassette | 1 / 5 / 25 tests    |
| SARS-CoV-2 / Flu A&B / RSV / ADV / MP Combo   | N / NP          | Cassette | 1 / 5 / 25 tests    |
| SARS-CoV-2 / Flu A&B / RSV / ADV / hPIV Combo | N / NP          | Cassette | 1 / 5 / 25 tests    |
| 10-Pathogen Respiratory Combo                 | N / NP          | Cassette | 1 / 5 / 25 tests    |
| Influenza A&B Antigen Test                    | NP / OP         | Cassette | 1 / 5 / 25 tests    |
| Strep A Antigen Test                          | Throat specimen | Cassette | 25 tests            |
| Mycoplasma pneumoniae Antigen Test            | N / NP          | Cassette | 25 tests            |
| Mycoplasma pneumoniae IgM Test                | WB / S / P      | Cassette | 25 / 40 tests       |
| Adenovirus Antigen Test                       | N / NP / OP     | Cassette | 25 tests            |
| RSV Antigen Test                              | N / NP / OP     | Cassette | 25 tests            |
| Parainfluenza Antigen Test                    | N / NP / OP     | Cassette | 25 tests            |
| Rhinovirus Antigen Test                       | N / NP / OP     | Cassette | 25 tests            |
| Human Metapneumovirus Antigen Test            | N / NP / OP     | Cassette | 25 tests            |

**Simple workflow: collect the specified specimen → apply sample and buffer → wait for the stated time → read control and test lines.**

Confirm product, specimen, pack size and regional availability. Read results only within the timing specified in the test instructions.

N: nasal · NP: nasopharyngeal · OP: oropharyngeal · WB: whole blood · S: serum · P: plasma. Follow the selected test instructions.

# Infectious disease rapid tests

## Infectious diseases

| Test / product             | Specimen    | Format              | Pack size / options |
|----------------------------|-------------|---------------------|---------------------|
| Dengue IgG/IgM & NS1 Combo | WB / S / P  | Cassette            | 25 / 40 tests       |
| Dengue IgG/IgM             | WB / S / P  | Cassette            | 25 / 40 tests       |
| Dengue NS1 Antigen         | WB / S / P  | Cassette            | 25 / 40 tests       |
| HAV IgG/IgM                | WB / S / P  | Cassette            | 25 / 40 tests       |
| HAV IgM                    | WB / S / P  | Cassette            | 25 / 40 tests       |
| HBsAg                      | WB / S / P  | Cassette / Dipstick | 25 / 40 / 50 tests  |
| HCV                        | WB / S / P  | Cassette / Dipstick | 25 / 40 / 50 tests  |
| HIV 1.2                    | WB / S / P  | Cassette / Dipstick | 25 / 40 / 50 tests  |
| Tuberculosis (TB)          | WB / S / P  | Cassette            | 25 / 40 tests       |
| Syphilis                   | WB / S / P  | Cassette / Dipstick | 25 / 40 / 50 tests  |
| Malaria P.f.               | Whole blood | Cassette            | 25 / 40 tests       |
| Malaria P.f./P.v.          | Whole blood | Cassette            | 25 / 40 tests       |
| Malaria P.f./Pan           | Whole blood | Cassette            | 25 / 40 tests       |
| Chikungunya IgG/IgM        | WB / S / P  | Cassette            | 25 / 40 tests       |

**Simple workflow: collect the specified specimen → apply sample and buffer → wait for the stated time → read control and test lines.**

Confirm product, specimen, pack size and regional availability. Read results only within the timing specified in the test instructions.

N: nasal · NP: nasopharyngeal · OP: oropharyngeal · WB: whole blood · S: serum · P: plasma. Follow the selected test instructions.

# Gastrointestinal, women's health & drug screening

## Gastrointestinal infections

### Human Fecal Occult Blood (FOB)

Feces · Cassette · 25 tests

### H. pylori Antibody

WB / S / P · Cassette · 25 / 40 tests

### H. pylori Antigen

Feces · Cassette · 25 tests

### Rotavirus & Adenovirus Combo

Feces · Cassette · 25 tests

### Typhoid IgG/IgM

WB / S / P · Cassette · 25 / 40 tests

### C. difficile Toxin A & B Combo

Feces · Cassette · 25 tests

### C. difficile GDH & Toxin A & B Combo

Feces · Cassette · 25 tests

### Salmonella Typhi Antigen

Feces · Cassette · 25 tests

## Women's health

### Candida albicans Antigen

Vaginal swab · Cassette · 25 tests

### Gardnerella vaginalis Antigen

Vaginal swab · Cassette · 25 tests

### Trichomonas vaginalis

Vaginal swab · Cassette · 25 tests

### Gonorrhea

Vaginal swab · Cassette · 25 tests

### Chlamydia

Vaginal swab / Urine · Cassette · 25 tests

### Gonorrhea & Chlamydia Combo

Vaginal swab · Cassette · 25 tests

### Pregnancy hCG Strip

S / P / Urine · Dipstick · 50 tests

### Pregnancy hCG Device

S / P / Urine · Cassette · 25 / 40 tests

## Drug-of-abuse screening · Urine

Single-drug: cassette / strip, multiple cut-offs. Multi-drug: panel or cup, custom configuration.

Drug menu: MOP, MET, THC, MDMA, KET, K2, AMP, BAR, BZO, BUP, COC, FTY and more. Cut-offs and combinations are configuration dependent.

N: nasal · NP: nasopharyngeal · OP: oropharyngeal · WB: whole blood · S: serum · P: plasma. Follow the selected test instructions.

WISENZ BIOTECH LIMITED

# Support that connects the workflow.

Product selection, technical communication and supplier coordination for international partners.

## Product selection

Discuss target applications, workload, specimen types and portfolio needs. Compare suitable instruments and compatible reagents.

## Technical communication

Coordinate specifications, application questions, reagent requirements and available technical documents with suppliers.

## Training arrangements

Arrange product and application training discussions, remote demonstrations and supplier technical guidance as agreed.

## After-sales coordination

Coordinate issue reporting, troubleshooting discussions, spare-parts information and service arrangements with the relevant supplier.

## Discuss your market and portfolio.

Email [info@ysenzdiagnostix.com](mailto:info@ysenzdiagnostix.com)  
WhatsApp +86 199 1906 8581

## Explore Mobile PCR

Separate mobile molecular testing solution.  
[www.ysenzdiagnostix.com/mobile-pcr](http://www.ysenzdiagnostix.com/mobile-pcr)

Product specifications, applications and regional availability should be confirmed for the selected configuration. September 2026 edition.