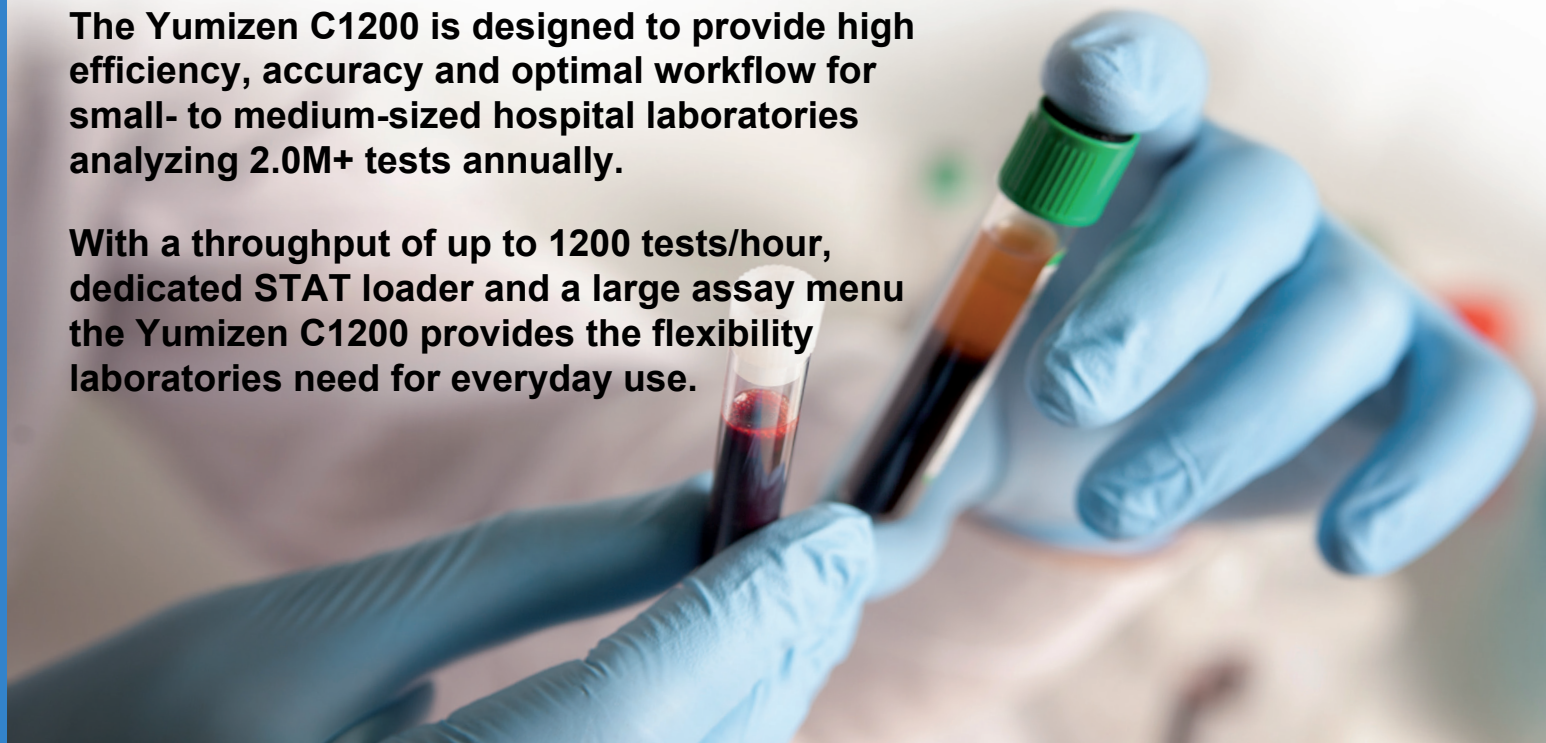


The new clinical chemistry system from HORIBA Medical

The Yumizen C1200 is designed to provide high efficiency, accuracy and optimal workflow for small- to medium-sized hospital laboratories analyzing 2.0M+ tests annually.

With a throughput of up to 1200 tests/hour, dedicated STAT loader and a large assay menu the Yumizen C1200 provides the flexibility laboratories need for everyday use.



Yumizen C1200 Test Menu*

The Yumizen C1200 menu provides an extensive range of tests covering the following panels:

Panels

- ✓ Comprehensive Metabolic
- ✓ Hepatic
- ✓ Lipid
- ✓ Renal
- ✓ Anemia
- ✓ Diabetes/Stroke
- ✓ TDMs
- ✓ DAUs and Adulterants
- ✓ Specialty Assays
- ✓ Inflammation/Allergy

Key features include:

- Processes 1200 test/hr with ISEs
- Dedicated STAT position
- Random continuous access
- Serum, Plasma, and Urine samples
- 90 refrigerated reagent positions
- 61 dedicated refrigerated positions for calibrators and controls
- Liquid level sensing
- Clot detection
- Cap/shock detection



Yumizen
C1200

Yumi - Japanese archery term synonymous with precision and flexibility

Zen - Evokes relaxation and serenity resulting in a positive mindset

Technical Specifications

General Description

Analysis Method Types	Spectrophotometry: colorimetric and turbidimetric assays
Indirect ISE	Na ⁺ , K ⁺ , Cl ⁻
Throughput	1200 tests/hour
Automatic Maintenance	During start-up and shutdown

Sample Handling

Sample Tray	84 samples, continuous loading
Sample Probe	Liquid level sensing, cap/shock and clot detections
Sample Identification	Integrated barcode reader
Sample Types	Serum, plasma, urine
Sample Collection Format	5, 7, 10 mL tubes and sample cups
ISE Sample Volume	22 µL (serum, urine)
Sample Volume	1 - 25 µL (0.1 µL increment)
Automatic Sample Dilution	1/2 to 1/300
Calibrator and Control Tray	61 refrigerated positions for calibrators and controls
STAT Sample Handling	Dedicated STAT position

Reagent Handling

Reagent Tray	2 trays with 45 reagent positions each
Refrigeration	All reagents refrigerated at 2°-8° C
Reagent Cartridge	20 (with adaptors), 40 or 70 mL
Dispensing System	2 reagents probes, 3-part reagent capability
Reagent Identification	Integrated barcode system
Reagent Volume	5 - 300 µL

Reaction System

Reaction Tray	231 reusable cuvettes
Reaction Volume	80 - 430 µL
Reaction Temperature	37° C ± 0.5 with oil bath
Reaction Time	3, 4, 5, 10, 15 minutes
Extended Reaction Time	21 or 31 minutes
Photometer Reaction Cycle	13.5 seconds
Reagent/Sample Mixing	Rotation and repeat left-right movements by stirrers
Automatic Correction	Serum blank, cell blank, measurement point change

Optical System

Light Source	Halogen lamp with cooling system (coolant circulation)
Measurement Principle	Endpoint, rate reaction, 2 point rate, immunoassay
Wavelengths	14 wavelengths (340 - 884 nm), mono- and bichromatic

Physical Specifications

System Size	122 W x 85 D x 110.8 H cm / 48" W x 33" D x 43" H
System Weight	450 kg / 992 lbs
Ambient Temperature	18° to 30° C
Humidity	40% to 70% with no condensation
Power Source	2.6 kVA, 110 V or 220 V ± 10%, 50/60 Hz
Water Consumption	20 L/hour
Water Specifications	Conductivity < 1 µs/cm

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