



TORONTECH



MICROFLUIDIC BIOCHEMISTRY ANALYZER - TORONMBA™

ToronMBA™ Microfluidic Biochemistry Analyzer is a cutting-edge multi-assay system designed to deliver fast, reliable results at the point of care.

This all-in-one analyzer supports testing for biochemicals, CRP, SAA, HbA1c, and urine microalbumin—streamlining diagnostics in a single compact platform.

Healthcare providers can access critical diagnostic data within minutes, helping them make timely, well-informed decisions during the same patient visit.

With a simple sample in, results out process, results are available in as little as 10 minutes. All reagent kits are stable for transport and storage between 2–25°C, ensuring easy distribution and accessibility across various settings.

APPLICATIONS

Microfluidic Biochemistry Analyzer – ToronMBA

Operation Procedure

Microfluidic Biochemistry Analyzer – ToronMBA

Perfect Performance

Microfluidic Biochemistry Analyzer – ToronMBA

Application

- **Hospitals & Emergency Departments** - Provides rapid biochemistry and inflammation marker results (e.g., CRP, SAA, glucose, liver and kidney panels) to support timely diagnosis and treatment decisions in acute care settings.
- **Primary Care & Community Clinics** - Enables physicians to perform essential biochemistry testing such as glucose, HbA1c, and lipid profiles on-site, improving patient management and reducing the need for external lab referrals.
- **Endocrinology & Diabetes Centers** - Supports routine monitoring of glucose, HbA1c, and albumin-to-creatinine ratio (ACR) for comprehensive diabetes management and early detection of complications.
- **Cardiology & Metabolic Clinics** - Delivers quick results for lipid panels (TG, TC, LDL, HDL) and glycated albumin, facilitating early detection and management of cardiovascular and metabolic disorders.
- **Nephrology & Kidney Care Centers** - Provides accurate kidney function analysis including creatinine, uric acid, urea, NGAL, and albumin, ensuring effective monitoring of renal health.
- **Gastroenterology & Hepatology Clinics** - Used for liver function testing (ALT, AST, GGT, ALP, bilirubin, albumin) to support diagnosis and follow-up of liver diseases and metabolic disorders.
- **Diagnostic & Clinical Laboratories** - Complements central lab operations by providing fast-turnaround results for urgent samples, optimizing workflow and patient throughput.
- **Mobile & Point-of-Care Health Services** - Compact and lightweight design makes it ideal for use in mobile clinics, rural healthcare programs, and field-based diagnostic services.

- **Universities & Research Institutions** - Serves as a reliable platform for teaching, clinical trials, and biomedical research requiring rapid and reproducible biochemical analysis.
- **Pharmaceutical & Biotech Companies** - Supports clinical trials and drug development studies by enabling multi-analyte monitoring in a compact, high-precision system.

FEATURES

1. **Simple and Efficient**

All-in-One Disc: Sample In, Results Out

2. **Save Time**

Turnaround time (TAT) under 14 minutes.

3. **Conserve Sample**

Requires only 50 µL of whole blood or plasma.

4. **Broad Test Menu**

Supports both biochemistry and latex immunoturbidimetry test kits.

5. **Accurate Results**

Delivers precise results traceable to international standards.

6. **Adjustable Throughput**

Process 1–3 biochemistry kits or 1–6 latex immunoturbidimetry kits per run.

7. **Compact Design**

Measures just 320 mm (L) × 180 mm (W) × 226 mm (H) and weighs only 5.3 kg.

8. **Reliable Connectivity**

Compatible with LIS and HIS systems.

9. **User-Friendly**

No additional calibration needed and minimal maintenance required.

TECHNICAL SPECIFICATIONS

Test Menu

Usage	Panel	Test Items
Glucose and Lipids	Lipids and Glucose Combo (Microfluidic Dry Chemistry Method)	TG, TC, LDL, HDL and Glucose*
	Lipids, Glycated Albumin and Glucose Combo□ Microfluidic Dry Chemistry Method□	TG, TC, LDL, HDL,Glucose and GA
Liver Function	Liver Function Combo 1 (Microfluidic Dry Chemistry Method)	ALT, AST, γ-GGT, ALP, AMY*
	Liver Function Combo 2 (Microfluidic Dry Chemistry Method)	TBIL, DBIL, TP, ALB
Kidney Function	Kidney Function Combo (Microfluidic Dry Chemistry Method)	Creatinine, Uric Acid, Urea and Albumin*
	Neutrophil gelatinase associated lipocalin (Microfluidic Immunoturbidimetric Method)	NGAL
	Albumin-to-creatinine ratio (Microfluidic Immunoturbidimetric Method)	Albumin, Creatinine, ACR*
Inflammation	C-reactive protein (Microfluidic Immunoturbidimetric Method)	CRP*
	C-reactive protein/serum amyloid A protein Combo (Microfluidic Immunoturbidimetric Method)	CRP and SAA*
	Serum Amyloid A Protein (Microfluidic Immunoturbidimetric Method)	SAA*
Average glucose in the past 3 months	Hemoglobin A1C (Microfluidic Immunoturbidimetric Method)	HbA1c*

* CE Marked



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