BIOFYNDER

It's all about POCT

Product Catalog +

Quality of life matters

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ISO13485 MHRA CE FSC IVD



QUALITY OF LIFE MATTERS

10+ POCT Platform

120+ POCT Products

120+ CE/MHRA/FSC Certificates

ONE Centralized LIS center

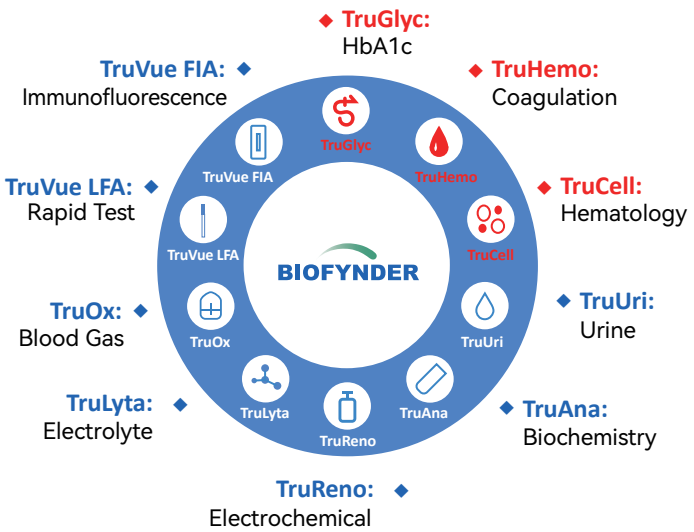
COMPANY PROFILE

BioFynder Limited

BioFynder, established in April 2025 in UK, is a High-Tech IVD manufacturer focusing on POCT solutions. The portfolios including but not limited to: Immunofluorescence (FIA), Lateral Flow Assay (LFA), Electrolyte, Blood Gas, Electrochemical, HbA1c POCT, Coagulation, Urine, Chemistry and Hematology.

- Mission: Providing fast and accurate POCT solutions to improve global healthcare.
- Vision: Becoming a global leader in POCT innovation, making diagnostics more efficient and accessible.
- Culture: Integrity, Empathy, Teamwork, Boundless.
- Slogan: Quality of Life matters!

BioFynder Product Lines







ISO13485



120+ CE



120+MHRA



120+FSC-UK

ISO13485 CE IVD FSC MHRA

PRODUCT PORTFOLIO

BIOFYNDER



TruVue FIA
Immunofluorescence



TruVue LFA
Rapid Test



TruLyta
Electrolyte



TruOx
Blood Gas



TruReno
Electrochemical

TruGlyc
HbA1c



TruHemo
Coagulation



TruUri
Urine



TruAna
Biochemistry



* Coming soon

TruCell
Hematology



* Coming soon

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01

TruVue™ FIA

BIOFYNDER

Immunofluorescence Analyzer



- Reproduction/Fertility
- Cardiac Markers
- Coagulation Markers
- Diabetes Mellitus
- Metabolic Marker
- Renal Function
- Tumor Markers
- Infectious Disease
- Mycology
- Thyroid Function
- Inflammation
- Many more

Why TruVue™ FIA are different?

Environmentally Stable

HbA1c is unaffected by ambient temperature conditions.

Sandwich Assay

VD, TSH, T3, T4, fT3, and fT4 utilize the sandwich method for higher sensitivity and stability.

One-Step Solution

Cardiac markers (cTnI, CK-MB, Myo, NT-proBNP, D-Dimer) require only sample addition, simplifying operation.

Mycology Panel

Fungus 1-3 β-D Glucan, Aspergillus Galactomannan, Cryptococcus CrAg, Candida Mannan, etc.

Operation procedure



Sample Transfer → Test Card Insert → Click "Start" Icon → Result Show and Print

Equipment parameters

Model	TV100	TV600
Methodology	Time-resolved fluorescence immunochromatography	
Excitation spectra	365nm	
Emission spectra	610nm	
Sample type	Whole blood/plasma/serum, Faeces, BAL	
Channel	1	6
Test time	3-20min	
Reagent storage condition	Room temperature	
Reagent shelf life	24 months	
Calibration reading	Code card	
Applicable card	Single card, triple 100×16×4.8mm	
Barcode of card	QR code	
Accuracy	CV≤3%	CV≤10%
Data storage	50,000 pieces	
Interface	Built-in thermal printer, WIFI, USB or RS232	
Operating system	Android 5.1 (8.0 inch), support LIS system	
Supply voltage	AC100V-240V, 50-60HZ	
Size	240×214×165mm	280×275×165mm
Weight	<3kg	3.8kg

Test Menu

Cardiac markers

Cat No.	Product	Format	Volume	Specimen	TAT
TV20002	cTnI Test (FIA)	Cassette	100 μL	S/P/WB	10 min
TV20003	NT-proBNP Test (FIA)	Cassette	100 μL	S/P/WB	10 min
TV20004	CK-MB Test (FIA)	Cassette	100 μL	S/P/WB	15 min
TV20005	Myo Test (FIA)	Cassette	100 μL	S/P/WB	15 min
TV20006	hs-cTnI Test (FIA)	Cassette	100 μL	S/P/WB	10 min
TV20007	D-Dimer Test (FIA)	Cassette	100 μL	P/WB	5 min
TV20008	H-FABP Test (FIA)	Cassette	75 μL	S/P/WB	10 min
TV20009	CK-MB/cTnI/Myo Combo Test (FIA)	Cassette	100 μL	S/P/WB	15 min

Inflammatory factors

Cat No.	Product	Format	Volume	Specimen	TAT
TV20010	PCT Test (FIA)	Cassette	10 μL	S/P/WB	10 min
TV20011	CRP Test (FIA)	Cassette	10 μL	S/P/WB	3 min
TV20012	SAA Test (FIA)	Cassette	10 μL	S/P/WB	10 min

Diabetes

Cat No.	Product	Format	Volume	Specimen	TAT
TV20014	HbA1c Test (FIA)	Cassette	10 μL	WB	5 min

Metabolic markers

Cat No.	Product	Format	Volume	Specimen	TAT
TV20015	25-OH-VD Test (FIA)	Cassette	10 μL	S/P/WB	10 min
TV20040	Ferritin test (FIA)	Cassette	10 μL	S/P/WB	10 min

Thyroid function

Cat No.	Product	Format	Volume	Specimen	TAT
TV20016	TSH Test (FIA)	Cassette	20 μL	S/P/WB	10 min
TV20017	T3 Test (FIA)	Cassette	100 μL	S/P/WB	15 min
TV20018	T4 Test (FIA)	Cassette	100 μL	S/P/WB	15 min
TV20019	fT3 Test (FIA)	Cassette	20 μL	S/P/WB	15 min
TV20020	fT4 Test (FIA)	Cassette	20 μL	S/P/WB	15 min

Reproductive testing

Cat No.	Product	Format	Volume	Specimen	TAT
TV20021	β-HCG Test (FIA)	Cassette	10 μL	S/P/WB	15 min
TV20022	LH Test (FIA)	Cassette	100 μL	S/P/WB	15 min
TV20023	FSH Test (FIA)	Cassette	20 μL	S/P/WB	15 min
TV20024	AMH Test (FIA)	Cassette	10 μL	S/P/WB	15 min
TV20025	Progesterone Test (FIA)	Cassette	100 μL	S/P/WB	15 min
TV20026	PRL Test (FIA)	Cassette	20 μL	P/WB	15 min

Tumor markers

Cat No.	Product	Format	Volume	Specimen	TAT
TV20027	AFP Test (FIA)	Cassette	20 μL	S/P/WB	15 min
TV20028	CEA Test (FIA)	Cassette	100 μL	S/P/WB	15 min

Allergies

Cat No.	Product	Format	Volume	Specimen	TAT
TV20029	Total IgE Test (FIA)	Cassette	70 μL	S/P/WB	15 min
TV20030	RF Test (FIA)	Cassette	75 μL	S/P/WB	15 min
TV20031	Anti-CCP Test (FIA)	Cassette	75 μL	S/P/WB	15 min

Gastric function

Cat No.	Product	Format	Volume	Specimen	TAT
TV20032	PG I/PG II Test (FIA)	Cassette	10 μL	S/P/WB	15 min
TV20033	HP-Ag Test (FIA)	Cassette	/	Faeces	15 min
TV20034	HP-Ab Test (FIA)	Cassette	75 μL	S/P/WB	15 min
TV20035	Calprotectin Test (FIA)	Cassette	/	Faeces	15 min

Mycology

Cat No.	Product	Format	Volume	Specimen	TAT
TV20036	Aspergillus Galactomannan Ag Assay (FIA)	Cassette	300 μL	S/BAL	20 min
TV20037	Fungus 1-3 β-D Glucan Assay (FIA)	Cassette	300 μL	S	20 min
TV20038	Candida Mannan Assay (FIA)	Cassette	300 μL	S	20 min
TV20039	Cryptococcal Antigen Assay (FIA)	Cassette	100 μL	S/P/CSF	20 min

02

TruVue™ LFA

BIOFYNDER

Rapid Test

One Step **LFA**



Why TruVue™ LFA are different?

Extensive Combo Test Portfolio

Offering multi-target combo LFA tests (e.g. Dengue IgG/IgM + NS1)



Rapid Results

Results in 5–15 minutes



Reliable Accuracy

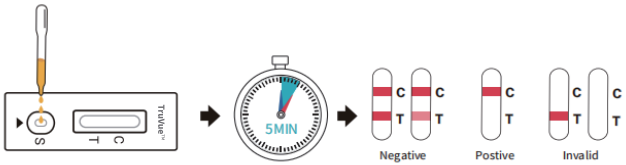
High sensitivity & specificity with premium antibodies and gold particles.



Mycology Panel

Aspergillus Galactomannan, Cryptococcus CrAg, Candida Mannan, etc.

Operation procedure



Step1
Add sample

Step2
Wait for 5-15mins

Step3
Read Result

TEST MENU

Drug of Abuse

Cat No.	Product	Format	Packing	Specimen	TAT
TV10001	Multi-Drug Rapid Test (LFA)	Cup	25 Tests/Kit	Urine	5min-10min
TV10002	Multi-Drug Rapid Test (LFA)	Panel	25 Tests/Kit	Urine	5min-10min
TV10003	Multi-Drug Rapid Test (LFA)	Midstream	25 Tests/Kit	Saliva	5min-10min

Infectious Disease

Cat No.	Product	Format	Packing	Specimen	TAT
TV10004	COVID-19 Antigen Rapid Test (LFA)	Cassette	25 Tests/Kit	Nasopharyngeal swab/ Oropharyngeal swab	15min-
TV10005	Influenza A+B Antigen Rapid Test (LFA)	Cassette	25 Tests/Kit	Nasopharyngeal swab/ Oropharyngeal swab	15min-
TV10006	COVID-19& Influenza A +B Antigen Combo Rapid Test (LFA)	Cassette	25 Tests/Kit	Nasopharyngeal swab/ Oropharyngeal swab	15min-
TV10007	Respiratory Syncytial Virus (RSV) Antigen Rapid Test (LFA)	Cassette	25 Tests/Kit	Nasopharyngeal swab/ Oropharyngeal swab	15min-
TV10008	ADV Antigen Rapid Test (LFA)	Cassette	25 Tests/Kit	Nasal Secretions	15min-
TV10009	Syphilis Rapid Test (LFA)	Cassette	25 Tests/Kit	Whole Blood/ Serum/Plasma	10min-
TV10010	Malaria Pf /Pan Rapid Test (LFA)	Cassette	25 Tests/Kit	Whole Blood	10min-
TV10011	Malaria Pf /Pv Rapid Test (LFA)	Cassette	25 Tests/Kit	Whole Blood	10min-
TV10012	Malaria Pf Rapid Test (LFA)	Cassette	25 Tests/Kit	Whole Blood	10min-
TV10013	H. Pylori Ab Rapid Test (LFA)	Cassette	25 Tests/Kit	Whole Blood/ Serum/Plasma	10min-
TV10014	H. Pylori Ag Rapid Test (LFA)	Cassette	25 Tests/Kit	Feces	10min-
TV10015	Rotavirus Rapid Test (LFA)	Cassette	25 Tests/Kit	Feces	10min-
TV10016	Rotavirus/Adenovirus Combo Rapid Test (LFA)	Cassette	25 Tests/Kit	Feces	10min-
TV10017	Strep A Rapid Test (LFA)	Cassette	25 Tests/Kit	Swab	10min-
TV10018	Dengue IgG/IgM Rapid Test (LFA)	Cassette	25 Tests/Kit	Whole Blood/ Serum/Plasma	15min-
TV10019	Dengue NS1 Ag Rapid Test (LFA)	Cassette	25 Tests/Kit	Whole Blood/ Serum/Plasma	15min-
TV10020	Dengue IgG/IgM/ NS1 Combo Rapid Test (LFA)	Cassette	25 Tests/Kit	Whole Blood/ Serum/Plasma	15min-
TV10021	Typhoid Ab Rapid Test (LFA)	Cassette	25 Tests/Kit	Feces	15min-
TV10022	Typhoid Ag Rapid Test (LFA)	Cassette	25 Tests/Kit	Whole Blood/ Serum/Plasma	15min-
TV10040	HBsAg Rapid Test (LFA)	Cassette	25 Tests/Kit	Whole Blood/ Serum/Plasma	15min-
TV10041	HCV Ab Rapid Test (LFA)	Cassette	25 Tests/Kit	Whole Blood/ Serum/Plasma	15min-
TV10042	HIV 1/2 Ab Rapid Test (LFA)	Cassette	25 Tests/Kit	Whole Blood/ Serum/Plasma	15min-
TV10043	HBsAg/HCV Ab/HIV Ab 3 in 1 Combo Test (LFA)	Cassette	25 Tests/Kit	Whole Blood/ Serum/Plasma	15min-
TV10044	HBsAg/HCV Ab/HIV Ab/Syphilis 4 in 1 Combo Test (LFA)	Cassette	25 Tests/Kit	Whole Blood/ Serum/Plasma	15min-

Cardiac Marker

Cat No.	Product	Format	Packing	Specimen	TAT
TV10023	Troponin I Rapid Test (LFA)	Cassette	25 Tests/Kit	Whole Blood/ Serum/Plasma	10min-

Tumor Marker

Cat No.	Product	Format	Packing	Specimen	TAT
TV10024	FOB Rapid Test (LFA)	Cassette	25 Tests/Kit	Feces	5min-10min
TV10025	Transferrin Rapid Test (LFA)	Cassette	25 Tests/Kit	Feces	5min-10min
TV10026	FOB-TRF Combo Rapid Test (LFA)	Cassette	25 Tests/Kit	Feces	5min-10min

Reproductive Health

Cat No.	Product	Format	Packing	Specimen	TAT
TV10027	HCG One Step Pregnancy Test (LFA)	Strip	25 Tests/Kit	Urine	3min-10min
TV10028	HCG One Step Pregnancy Test (LFA)	Cassette	25 Tests/Kit	Urine	3min-10min
TV10029	HCG One Step Pregnancy Test (LFA)	Midstream	25 Tests/Kit	Urine	3min-10min
TV10030	LH One Step Ovulation Test (LFA)	Strip	25 Tests/Kit	Urine	3min-10min
TV10031	LH One Step Ovulation Test (LFA)	Cassette	25 Tests/Kit	Urine	3min-10min
TV10032	FSH One Step Menopause Test (LFA)	Cassette	25 Tests/Kit	Urine	3min-10min

Metabolic Marker

Cat No.	Product	Format	Packing	Specimen	TAT
TV10033	25-hydroxy vitamin D Rapid Test (LFA)	Cassette	25 Tests/Kit	Whole Blood/ Serum/Plasma	10min-

Mycology

Cat No.	Product	Format	Packing	Specimen	TAT
TV10034	Aspergillus Galactomannan Ag Lateral Flow Assay (LFA)	Cassette	50 Tests/Kit	Serum/BAL	15min-
TV10035	Cryptococcal Antigen Lateral Flow Assay (LFA)	Cassette	50 Tests/Kit	Serum/Plasma/CSF	10min-
TV10036	Candida Mannan Lateral Flow Assay (LFA)	Cassette	50 Tests/Kit	Serum	10min-
TV10037	Fungal Fluorescent Staining Solution	Vial	50 Tests/Kit	Sputum/Tissue biopsy/ secretions	5min-10min

Vaginitis

Cat No.	Product	Format	Packing	Specimen	TAT
TV10038	Bacterial Vaginosis Six Combo-Test Kit	Cassette	20 Tests/Kit	Vaginal swab	15min-

Carbapenem Resistance

Cat No.	Product	Format	Packing	Specimen	TAT
TV10039	Carbapenem Resistant Enterobacteriaceae assay (LFA)	Cassette	20 Tests/Kit	Bacterial colonies	15min-

03

TruGlyc™

BIOFYNDER

POCT HbA1c Analyzer

Boronate Affinity Chromatography





Easy: One Step Operation, fully automation

Fast: TAT within 3 mins

Accurate: CV ≤ 3%

Advantage



- Easy: One Step Operation, fully automation
- Fast: TAT within 3 mins
- Accurate: CV ≤ 3%
- Stable: 18 months at Room Temperature
- Convenient: Maintanance-free
- Specimen: 5uL fingertip or venous whole blood

HOW TO USE



1 Collect the sample with the integrated sampling device.



2 Place the sampling device back in the test cartridge.



3 Place the test cartridge in the analyzer and close the lid. The processing starts automatically

Specification

Model	TruGlyc TG100	Mehodology	Boronate Affinity Chromatography
Sample volume	5 µL	Sample type	Fingertip / Venous whole blood
TAT	3 mins	Calibration	QR code
CV	≤ 3%	Linear range	3.5%-15.0%
Communication	USB, LIS	Printer	Build in printer
Screen	Color touch screen	Dimension	290 mm(L)×202 mm(W)×190 mm(H)

04 TruHemo™

BIOFYNDER

POCT Coagulation Analyzer



One Drop of
Whole Blood



PT/INR APTT
FIB TT ACT

Portable Fast Accurate

Advantage

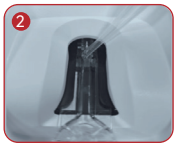


- Plug and play, easy to use
- Whole blood test
- Accuracy and Stable
- Fast results within 3 mins
- Room temperature for 18 months

How to use



Fingerstick microsample collection.



Add the sample to the reagent card.

Specification

Storage Conditions	Ambient temperature:-10℃ to 50℃ Relative humidity : ≤80%	Service Life	5 Years
Power Supply	AC220V	Test Conditions	Detection Temperature: 15℃ to 35℃ Humidity Range: 10%~80% RH Atmospheric Pressure Range: 70~106 kPa
Weight	Approx. 1.0 kg		
Dimensions	233mm(L) × 197mm(W) × 94 mm(H)		

Performance parameters

Analyte	PT	APTT	FIB	TT	ACT
Measurement Range	11~14S	25~37S	2~4g/L	12~14S	25~35S
Pre heating time	<40s				
Sample Volume	20 uL				
Sample Type	Whole Blood				

05

TruLyta™

BIOFYNDER

Electrolyte Analyzer TL100



5-in-1 Cartridge

Simultaneous detection of **K^+, Na^+, Cl^-, iCa^{2+}, iMg^{2+}** — efficient and comprehensive.

Fast & Low Sample Volume

Requires only ~110 µL, delivers results in ~5 minutes.

Smart Connectivity & Maintenance-Free

Supports LIS/HIS integration

Electrolyte Analyzer Highlights

Advanced Features	Simultaneous detection: K^+, Na^+, Cl^-, iCa^{2+}, iMg^{2+} Exclusive ionized magnesium (iMg^{2+}) testing Patented dry electrochemical technology with molecular probes
Efficiency & Accuracy	Calibration + results < 5 min Built-in calibration solution
User-friendly	Whole blood testing, only 100 µL No fluidic pathways → low maintenance Test cartridges stored at room temperature (8 months shelf life)
Portability & Connectivity	Compact, battery-powered (50+ tests/charge) Integrated barcode scanner & thermal printer Stores 99,999+ records, supports LIS/H

How To Use



1 Scan barcode and remove cartridge



2 Add sample and close cap



3 Insert cartridge and wait for results

Technical Specifications

Sample Types	Venous whole blood, plasma, and serum
Excitation spectra	Electrochemistry/Microfluidic method
Blood Sample Volume	110 µL
Test Time	5 ± 0.5 min (including calibration)
Memory Capacity	99999 results
Operating Temperature	18°C – 30°C
Display Screen	7-inch color touch screen
Printer	Built-in
Code Scanner	Built-in
Dimensions	240 mm x 120 mm x 110 mm (± 10 mm)
Weight	1.5 ± 0.2 kg (with battery)

Performance

Parameter	Accuracy	Precision	Stability	Test Range (mmol/L)
K^+	± 3.0%	≤ 1.5%	≤ 2.0%	1.0–15.0
Na^+	± 3.0%	≤ 1.5%	≤ 2.0%	100–200
Cl^-	± 3.0%	≤ 1.5%	≤ 2.0%	65–160
iCa^{2+}	± 5.0% or ± 0.05 mmol/L	≤ 1.5%	≤ 3.0%	0.25–4.00
iMg^{2+}	± 5.0% or ± 0.05 mmol/L	≤ 3.0%	≤ 3.0%	0.2–1.5

*Benchmarking its performance against a gold standard wet benchtop analyzer

06

TruOx™

BIOFYNDER

Blood Gas Analyzer

TX100



K^+ Na^+ iCa^{2+} Hct Glu

Cl^- pO_2 pCO_2 pH Lac

Technical Specifications

Sample Types	Arterial and venous whole blood
Testing Principle	Electrochemistry / Microfluidic method
Blood Sample Volume	150 µL
Test Time	Calibration < 3 min; Measurement < 45 sec
Memory Capacity	100,000 test results + 10,000 QC results
Operating Temperature	18℃ – 30℃
Display Screen	8-inch color touch screen
Printer	Built-in
Code Scanner	Built-in
Dimensions	235 mm × 210 mm × 160 mm (±10 mm)
Weight	3.0 ± 0.5 kg (with battery)

Blood GAS Analyzer Highlights

Accurate, reliable and maintenance-free

- Accurate results in ~5 minutes
- Automatic calibration before each test
- Dry chemistry technology – no reagent packs, no fluidic limitations, no risk of cross-contamination

Lightweight and portable

- Rechargeable lithium battery: over 50 consecutive tests



Easy-to-use

- Built-in video tutorials for quick learning
- 8-inch full-view touch screen, glove-friendly
- Smart recognition system for intuitive operation

Regular QC reminders

- Power-on self-test ensures analyzer performance
- Electronic QC cards and QC samples guarantee reliability and accuracy

Auto display of cartridge expiration date

- Automatic quality control

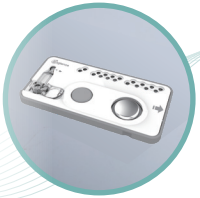
Blood Gas Test Cartridge Highlights

Comprehensive Parameters

- 34 total parameters: blood gases, electrolytes & metabolites
- 10 measured: K^+, Na^+, Cl^-, iCa^{2+}, pH, pCO_2, pO_2, Glu, Lac, Hct
- 24 calculated: HCO_3^- (act/std), BE(ecf/B), AG, sO_2(est), tHb(est), TCO_2, RI, A–a gradient, a/A ratio, pO_2/FiO_2, cH^+, iCa^{2+}(7.4), etc.

Cutting-edge Technology

- Precision industrial design with high-performance sensor chips
- Microfluidic technology + built-in flow control
- Unique sample quantification for exact volume measurement



Efficiency & Safety

- Instant detection, cost-effective & eco-friendly
- Rapid venous/arterial blood analysis – no pre-processing
- Single-use cartridge → avoids waste & cross-contamination

Accuracy & Reliability

- Automatic calibration during testing ensures dependable results

Performance

Parameter	Accuracy	Range	Precision
K^+	± 3.0%	2.0–9.0 mmol/L	≤1.5%
Na^+	± 3.0%	100–180 mmol/L	≤1.5%
Cl^-	± 3.0%	65–140 mmol/L	≤1.5%
iCa^{2+}	≥1.00 mmol/L, ±5.0%; <1.00 mmol/L, ±0.05 mmol/L	0.25–2.50 mmol/L	≤1.5%
pH	± 0.04	6.500–8.000	≤0.02
pCO_2	≥62.0mmHg, ±8.0%; <62.0mmHg, ±5.0 mmHg	10.0–150.0 mmHg	≥62.0mmHg, CV≤4.0%; <62.0mmHg, SD≤2.5 mmHg
pO_2	≥50mmHg, ±15.0%; <50mmHg, ±7.5 mmHg	10–700 mmHg	≤5.0%
Glu	≥4.0 mmol/L, ±10.0%; <4.0 mmol/L, ±0.4 mmol/L	1.1–38.0 mmol/L	≥4.0 mmol/L, CV≤5.0%; <4.0 mmol/L, SD≤0.2 mmol/L
Lac	≥5.00 mmol/L, ±12.0%; <5.00 mmol/L, ±0.6 mmol/L	0.50–20.00 mmol/L	≥5.00 mmol/L, CV≤6.0%; <5.00 mmol/L, SD≤0.3 mmol/L
Hct	≥50%PCV, ±6.0%; <50%PCV, ±3%PCV	10%–70%PCV	≥50%PCV, CV≤3%; <50%PCV, SD≤1.5%PCV

07 TruReno™

Handheld Electrochemical Meter TR100

5-in-1 Test: **Creatinine, Glucose, Uric Acid, Hb, eGFR***

Comprehensive screening for kidney function, hyperuricemia, and diabetes risk.



Quality of life matters

KEY FEATURE

5-in-1 Testing
Measures 5 essential parameters using 3 types of test strips.

Bluetooth Connectivity
Bluetooth Connectivity

HCT Compensation
Supports HCT 30–60% — ideal for diverse patient profiles.

7-Gold Electrodes
Improved conductivity and testing stability.

One-Click Strip Ejection
Easy disposal, reduces cross-contamination risk.

Smart Strip Recognition
Automatically identifies strip type for accurate testing.

APPLICATION

CKD — Chronic Kidney Disease

AKI — Acute Kidney Injury

Primary Care Clinics
Kidney risk screening and routine function monitoring

Nephrology Departments
Post-transplant follow-up, CKD and AKI monitoring, lifestyle and diet management

Dialysis Centers
Assessment of dialysis adequacy

Radiology
Evaluation of contrast-induced nephropathy risk

Oncology
Assessment of renal injury and anemia during cancer treatment

Emergency Departments
Rapid evaluation of AKI in critical situations

Pharmaceutical Companies
Monitoring drug-induced nephrotoxicity and evaluating renal treatment efficacy

Disaster Response Teams
Crush syndrome assessment following natural disasters like earthquakes

PARAMETERS

Subject	Creatinine	Blood Glucose	Uric Acid
Sample volume	2.0 μl	0.8 μl	1.5 μl
Sample type	Fresh fingertip capillary and venous whole blood	Fresh fingertip capillary and venous whole blood	Fresh fingertip capillary and venous whole blood
Measurement range	Creatinine: 25–1150 μmol/L HB: 10–20 g/dL	0.6–33.3 mmol/L	181–1188 μmol/L
HCT range	30%–60%	10%–65%	30%–55%
Test time	30 s	5 s	10 s
Operating temperature	15 °C–40 °C	10 °C–40 °C	15 °C–35 °C
Storage temperature	2 °C–30 °C	4 °C–30 °C	4 °C–30 °C

08

TruUri™

BIOFYNDER

Portable Urine Analyzer

Fast • Portable • Accurate • Smart Connectivity

Features

- **High Throughput & Fast Results**
  Up to 120 tests/hour, results within 1 minute.
- **Comprehensive Parameters**
  Detects 14 urine parameters including blood, protein, glucose, creatinine, calcium, and more.
- **Portable & User-Friendly**
  Compact size, lightweight design, ideal for POCT and home health monitoring.
- **Reliable & Accurate**
  Automatic correction for temperature and specific gravity; repeatability CV < 1%.
- **Smart Data Management**
  Stores up to 10,000 test results, supports RS-232 transmission, LIS/HIS connectivity.
- **Low Power, High Durability**
  Long-life LED light source, low power consumption (<35VA), power-off protection.

Test Items

- Urobilinogen
- Micro Albumin
- Protein
- Bilirubin
- Leucocytes
- Nitrite
- ketone
- Glucose
- pH
- Creatinine
- Specific Gravity
- Calcium
- Blood
- Ascobic Acid
- A:C



Specification

Test speed	120 tests/hour(fast continuous),60 tests/hour(single step, slow continuous)
Light source	LED cold light source, life>1500H
Report mode	Liquid crystal display, Serial output, Built-in 57mm thermal printing
Instrument configuration	5 or more languages, which can meet the needs of customers in different countries
Display	LCD TFT true color screen
Input method	Full-screen capacitive touch, can be connected to a barcode scanner
Report storage	Large capacity can store10,000 test reports
Power-off protection	With power-off to automatically save all measurement data
Externalinterface	Standard RS-232 serial port or bluetooth transmission, LIS Connection
Repeatability and stability	Coefficient of variation (CV, %)< 1.0
Working voltage	Wide power supply AC100-240V, 50Hz/60Hz
Fuse	ϕ 5mmx20mm,T2AL250V
Instrument power consumption	Low power consumption is not more than 35VA
Safety classification	Basic insulation transient over voltage class I., pollution level 2
Dimensions	200x137x52mm
Instrument weight	Net weight: 600 grams

Application scenarios

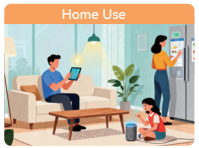












Product

Project Name	Urobilinogen (URO)	Occult blood (BLD)	Bilirubin (BIL)	Ketone (KET)	Leukocytes (LEU)	Glucose (GLU)	Protein (PRO)	pH (pH)	Nitrite (NIT)	Specific Gravity (SG)	Ascorbic acid	Creatinine (CRE)	Microalbumin (MCA)	Calcium (Ca)
U10	○	○	○	○	○	○	○	○	○	○				
U11	○	○	○	○	○	○	○	○	○	○	○			
U12	○	○	○	○	○	○	○	○	○	○	○	○		
U14	○	○	○	○	○	○	○	○	○	○	○	○	○	○

Clinical significance of the indicators

Project Name	Normal Value	Abnormality
Urobilinogen (URO)	Negative (-) or only trace (+-)	Positive indicates hemolytic jaundice or hepatocellular jaundice caused by fatty liver or alcoholism or drug-induced liver injury, and further hepatobiliary ultrasound is recommended.
Occult blood (BLD)	Negative (-)	Positive suggests tumor, trauma, or stone; A positive test with protein suggests possible kidney disease
Bilirubin (BIL)	Negative (-)	Positive indicates possible hepatocellular or obstructive jaundice
Ketone (KET)	Negative (-)	Positive may indicate acidosis, diabetic ketoacidosis, vomiting, diarrhea, and starvation
Calcium (Ca)	2.5-7.5mmol/24h	High: hypercalcemia, hyperthyroidism; Low: hypocalcemia, hypothyroidism, vitamin D deficiency
Leukocytes (LEU)	Negative (-)	Positive is suggestive of a urinary tract infection
Glucose (GLU)	Negative (-)	Positive may indicate metabolic diabetes, acromegaly, and hyperthyroidism
Protein (PRO)	Negative (-)	Positive indicates possible nephritis, hypertensive nephropathy, or diabetic nephropathy
pH (pH)	Negative (-)	Higher is common in frequent vomiting, diarrhea and alkalosis; lowers are common in fever, gout, chronic kidney disease, leukemia, diabetes, acidosi
Creatinine (CRE)	0.9-26.5mmol/L	Elevated: hunger, fever, gigantism, diabetes, etc.; Reduction: kidney failure, amyotrophy, anemia, leukemia, etc.
Nitrite (NIT)	Negative (-)	Positive suggests bacterial infection of the kidneys or urinary tract
Specific Gravity (SG)	1.003-1.030	Elevated urine is more common in high fever, dehydration, acute nephritis, urinary tract infection; Decreased is more common in chronic glomerulonephritis and pyelonephritis, diabetes insipidus
Ascorbic acid (VC)	Negative (-)	May be taken orally with an excess of vitamin C, as a measure of the accuracy of other tests
Microalbumin (MCA)	<20mg/L	Positive indicates abnormal protein leakage from the kidneys, and is the most sensitive and reliable diagnostic marker for early detection of diabetic nephropathy