



KIN
DIAGNOSTICS

Swiftest **iChroma II**

Fully Portable Immunoassay System



SPEED MEETS QUALITY



Rapid



Reliable



Convenient

PRODUCT FEATURES



Rapid

- High Throughput Patient Testing: 30 tests/hr
- Test Time: 3 - 15 minutes
- Built in Printer



Reliable

- Principle: Immunofluorescence
- Wide Menu: 50 Tests across 8 Therapeutic Profiles
- Smart Calibration Chip
- Internal Quality Controls available
- 15-18 months Cartridge Shelf Life

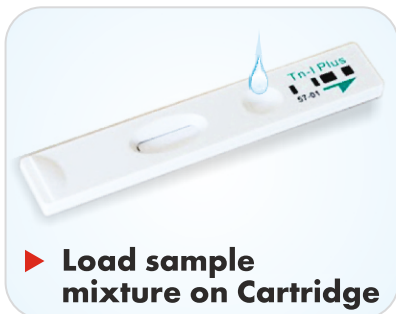


Convenient

- Fully Portable (Battery and/or AC power)
- Light Weight Reader
- Sample type: Whole Blood/Serum/Plasma/Urine/Feces/Throat Swab
- Large Memory: Upto 1000 samples, 1000 QC & 100 ID
- Authorized access to set passwords, give access to users, block parameters & set control
- LIS/HIS Compatible

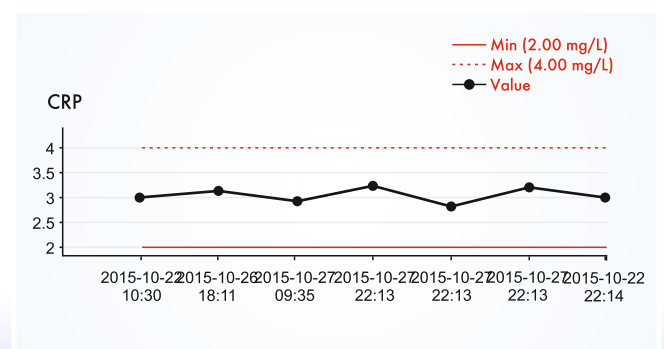


PROCEDURE



EXCELLENT CORRELATION WITH LABORATORY RESULTS

- iChroma II is one of the few portable POCT devices to incorporate graphical QC monitoring. This allows iChroma II conformity with lab QC standards.
- Internal controls are available for all parameters
- Set reminders / auto schedules for Control runs and System check runs
- System-check examines the optical reader to ensure its proper functioning.



ICHROMA II TEST PANELS

Profile	Test	Sample	Working Range	Incubation	Diseases
Cardiac (11 markers)	TnI	Serum/Plasma	0.10 - 50 ng/mL	12 mins	Acute Myocardial Infarction
	hs TnI Plus	Whole blood/Serum/Plasma	0.01 - 15.00 ng/mL	12 mins	Acute Myocardial Infarction
	TnT*	Whole Blood/Serum/Plasma	10 - 20,000 pg/mL	12 mins	Acute Myocardial Infarction
	CK-MB	Whole blood/Serum/Plasma	3 - 100 ng/mL	12 mins	Acute Myocardial Infarction and Acute Coronary Syndrome
	D-Dimer*	Whole blood/Serum/Plasma	50 - 10,000 ng/mL	12 mins	DVT Thrombosis
	Myoglobin	Whole blood/Serum/Plasma	5 - 500 ng/mL	12 mins	Acute Myocardial Infarction
	hs CRP	Whole blood/Serum/Plasma	0.1 - 10 mg/L	3 mins	Cardiovascular Inflammation, Stroke, MI
	NT-proBNP*	Whole blood/Serum/Plasma	10 - 30,000 pg/mL	12 mins	Myocardial Infarction, Heart Failure
	BNP	Whole Blood/Plasma	5 - 5,000 pg/mL	12 mins	Heart Failure
	Cardiac Triple Marker	Whole blood/Serum/Plasma	TnI: 0.01 - 15 ng/mL CK - MB: 3 - 100 ng/mL Myoglobin: 5 - 500 ng/mL	12 mins	Acute Myocardial Infarction and Acute Coronary Syndrome
ST2	Whole Blood/ Serum/Plasma	3.1 - 200.0 ng/mL	12-15 mins	Chronic Heart Failure	
Cancer (5 markers)	PSA	Whole blood/Serum/Plasma	0.1 - 100 ng/mL (for serum/ plasma) 0.5 - 100 ng/mL (for whole blood)	15 mins	Prostrate Cancer
	AFP	Whole blood/Serum/Plasma	5 - 350 ng/mL	15 mins	Liver Cancer, Ovarian, Testicular Cancer
	CA 19-9	Serum/Plasma	8 - 1000 U/mL	12 mins	Pancreatic Cancer
	iFOB Neo	Feces	25 - 1,000 ng/mL	10 mins	Colorectal Cancer, Hemorrhoids
	CEA	Serum/Plasma	1 - 500 ng/mL	12 mins	Cancers, Colorectal, Lung, Rectal Cancer
Diabetes (3 markers)	HbA1c/HbA1c Neo*	Whole blood	4-15% (NGSP)	12 mins	Diabetes Mellitus
	Microalbumin	Urine	2 - 300 mg/L	12 mins	Diabetes Mellitus, Renal Failure, Kidney disease
	Cystatin C	Serum/Plasma	0.1 - 7.5 mg/L	10 mins	Renal disease
Hormone (5 markers)	TSH*	Serum/Plasma	0.1 - 100 μ IU/mL	12 mins	Thyroid malfunction
	T3*	Serum/Plasma	0.5 - 5 ng/mL	16 mins	Thyroid malfunction
	T4*	Serum/Plasma	10.23 - 300.0 nmol/L	16 mins	Thyroid malfunction
	FT4	Serum/Plasma	10.23 - 300.0 nmol/L	16 mins	Thyroid malfunction
	Cortisol*	Whole blood/Serum/Plasma	80 - 800 nmol/L	10 mins	Metabolism
Fertility (7 markers)	AMH*	Serum/Plasma	0.02 - 15 ng/mL	12 mins	Monitoring of Premature Ovarian Insufficiency, Menopause
	FSH	Serum/Plasma	1 - 100 mIU/mL	15 mins	Menopause/Infertility
	Progesterone*	Serum/Plasma	4.45 - 127.2 nmol/L & 1.4 - 40 ng/mL	15 mins	Fertility, Ectopic Pregnancy
	β -hCG*	Whole blood/Serum/Plasma	5 - 50,000 mIU/mL	12 mins	Fertility, Abnormal Pregnancy
	LH	Serum/Plasma	1.0 - 100.0 mIU/mL	15 mins	Ovulation, Infertility
	PRL	Serum/Plasma	1 - 100 ng/mL	10 mins	Sexual disorder & Infertility, Menopause
	Testosterone	Serum/Plasma	1 - 10 ng/mL	15 mins	Sexual disorder, Infertility
Infection (11 markers)	CRP	Whole blood/Serum/Plasma	0.5 - 300 mg/L	3 mins	Inflammation, Tissue damage
	PCT	Whole blood/Serum/Plasma	0.1 - 100 ng/mL	12 mins	Sepsis
	Igra TB	Whole blood			Mycobacterium Tuberculosis
	IL6*	Whole Blood/ Serum/Plasma	2 - 2,500 pg/mL	12 mins	Inflammation (increase in No. of neutrophil)
	ASO	Serum/Plasma	25 - 800 IU/mL	12 mins	Rheumatic Fever, Acute Tonsillitis
	Dengue IgG/IgM*	Whole blood/Serum/Plasma	Qualitative	12 mins	Dengue
	Dengue Ns1Ag*	Whole blood/Serum/Plasma	Qualitative	12 mins	Dengue
	Covid - 19 Ab	Whole Blood/Serum/Plasma	< 0.9 Negative for IgG/IgM \geq 0.9 COI- < 1.1- Indeterminate \geq 1.1- Positive for IgG/IgM	10 mins	Novel Coronavirus
	Covid - 19 Ag	Human Nasopharyngeal Swab	<1 - Negative \geq 1 - Positive	12 - 15 mins	Novel Coronavirus
	Total IgE	Whole blood/Serum/Plasma	1.00 IU/ml - 1,000 IU/ml	12 mins	Allergy
	Calprotectin	Human Feces	10-1,000 mg/kg	12 mins	Reflex Gastrointestinal Inflammation
Rheumatoid Arthritis (2 markers)	RF IgM	Whole blood/Serum/Plasma	8 - 200 IU/mL	5 mins	Rheumatoid Arthritis
	Anti-CCP Plus	Whole blood/Serum/Plasma	3.5 - 300 U/mL	12 mins	Rheumatoid Arthritis
Others (3 markers)	Ferritin*	Serum/Plasma	10 - 1,000 ng/mL	10 mins	Anemia, Iron Deficiency
	Vitamin D/ Vitamin D Neo*	Serum/Plasma/ Whole blood in Neo	8 - 70 ng/mL (Neo 5 - 100 ng/mL)	28 mins / 12 mins	Bone disease
	H Pyroli	Human Feces	<1 - Negative \geq 1 - Positive	12 - 15 mins	H Pyroli Infection

CERTIFICATES



SPECIFICATIONS

Throughput	30 tests/hr
Dimensions	276 mm (L) X 220 mm (W) X 91 mm (H)
Weight	1.3 Kg
Power supply	DC 12V/5A, AC/DC Adaptor, (AA battery) DC 1.5V X 4ea. Input 100-240V ~ 50/60 Hz, 1.8A. Output DC 12V/5A
Display	7" Touchscreen Color LCD
Motor	Stepper Linear Actuator (5V, 0.34A)
Interface	USB 4 ports, LAN port, USB OTG port
Operation Environment	15 ~ 35 °C, Storage 20 ~ 50 °C, Humidity Max. 70%
Accessories	iChamber, Barcode Reader (Optional)

ABOUT KIN

KIN Diagnostics is a company specialized in Point-of-Care products. Founded in 2008, guided by the philosophy of 'Transforming Healthcare', KIN Diagnostics aims to transform the conventional methods of diagnostic testing by providing point-of-care solutions to ensure patients receive faster diagnosis, treatment & therapeutic management.

OUR POINT OF CARE PRODUCT RANGE



1. Swiftest Blood Gas Analyzer
 Principle: Innovative microfluidic and micro sensor technology
 Cartridge shelf life: 12 months
 Auto sampling
 ABG, electrolyte & metabolites in a single cartridge



2. Swiftest Dry Clinical Chemistry and Electrolyte Analyzer
 Principle: Photometric system
 Widest test menu in a single device: 23 tests with 9 panels
 Sample type: Whole blood/plasma/serum



3. Swiftest Nephstar Protein Analyzer
 Principle: Fixed-time immunonephelometry
 Widest test menu in a single device: 32 assays available
 Sample type: Whole blood/capillary blood

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