

Product guide book

Boditech Med Inc.

Find out more on  www.boditech.co.kr

ichroma™ Parameters



Category	Item	ichroma™ II	ichroma™ III	ichroma™-50	ichroma™ M2	ichroma™ M3	Sample type	Working range	Test time (min)
Cardiac	Tn-I	●	●			●	S/P	0.1-50.0 ng/mL	12
	Tn-I Neo	●	●			●	S/P	0.1-50.0 ng/mL	12
	Tn-I Plus	●	●	●	●		WB/S/P	0.01-15.00 ng/mL	12
	CK-MB	●	●	●		●	WB/S/P	3-100 ng/mL	12
	CK-MB Neo	●	●	●		●	WB/S/P	3-100 ng/mL	12
	D-Dimer	●	●	●		●	WB/P	50-10,000 ng/mL	12
	D-Dimer Neo	●	●			●	WB/P	50-10,000 ng/mL	12
	NT-proBNP	●	●	●	●		WB/S/P	10-30,000 pg/mL	12
	Myoglobin	●	●	●			WB/S/P	5-500 ng/mL	12
	Myoglobin Neo	●	●			●	WB/S/P	5-500 ng/mL	12
	hsCRP	●	●			●	WB/S/P	0.1-10.0 mg/L	3
	Cardiac Triple	●	●	●			WB/S/P	Tn-I: 0.01-15 ng/mL CK-MB: 3-100 ng/mL Myoglobin: 5-500 ng/mL	12
	ST2	●	●	●		●	WB/S/P	3.1-200 ng/mL	12
	BNP	●	●		●		WB/P	5-5,000 pg/mL	12
	Troponin T	●	●		●		WB/S/P	10-20,000 pg/mL	12
LDL-Cholesterol Direct	●	●				S/P	10-300 mg/dL	10	
Cancer	PSA	●					WB/S/P	S/P: 0.1-100.0 ng/mL (WB: 0.5-100.0 ng/mL)	15
	AFP	●	●			●	WB/S/P	5-350 ng/mL	15
	CEA	●					S/P	1-500 ng/mL	12
	iFOB Neo	●	●	●		●	Feces	25-1,000 ng/mL	10
Diabetes	HbA1c	●	●			●	WB	(NGSP) 4-15 %	12
	HbA1c Neo	●	●			●	WB	(NGSP) 4-15 %	12
	Microalbumin	●	●			●	Urine	2-300 mg/L	12
	Cystatin C	●	●			●	S/P	0.1-7.5 mg/L	10
Hormone	TSH	●					S/P	0.1-100.0 µIU/mL	12
	TSH Plus	●	●	●	●		WB/S/P	0.1-50 µIU/mL	12
	T3	●	●			●	S/P	0.5-5.0 ng/mL (0.77-7.7 nmol/L)	16
	T4	●	●			●	S/P	10.23-300.00 nmol/L	16
	FSH	●	●			●	S/P	1-100 mIU/mL	15
	Progesterone	●	●			●	S/P	4.45-127.20 nmol/L	15
	Total βhCG	●	●	●		●	WB/S/P	5-50,000 mIU/mL	15
	β-HCG Plus	●	●		●		WB/S/P	2-5,000 mIU/mL	12
	LH	●	●			●	S/P	1-100 mIU/mL	15
	PRL	●	●			●	S/P	1-100 ng/mL	10
	Testosterone	●	●			●	S/P	1-10 ng/mL	15
	Cortisol	●	●			●	WB/S/P	50-800 nmol/L	10
AMH	●	●		●		S/P	0.02-15 ng/mL	12	

WB = Whole blood, S = Serum, P = Plasma, NS = Nasopharyngeal swab

ichroma™ Parameters



Category	Item	ichroma™ II	ichroma™ III	ichroma™-50	ichroma™ M2	ichroma™ M3	Sample type	Working range	Test time (min)
Infection	COVID-19 Ag	●	●	●	●		NS	Qualitative	12
	COVID-19 Ab	●	●	●	●		WB/S/P	Qualitative	10
	COVID-19/Flu Ag Combo	●	●	●	●		NS	Qualitative	20
	COVID-19 nAb	●	●		●		WB/S/P	Qualitative	20
	COVID-19 SP/NP IgG	●	●		●		S/P	Qualitative	10
	CRP	●	●	●		●	WB/S/P	2.5-300 mg/L	3
	hsCRP All in one	●	●	●		●	WB/S/P	0.5-200 mg/L	3
	PCT	●	●	●		●	WB/S/P	0.1-100.0 ng/mL	12
	PCT Plus	●	●	●	●		WB/S/P	0.02-50 ng/mL	12
	PCT Plus G	●	●	●	●		WB/S/P	0.02-50 ng/mL	12
	IL-6	●	●	●	●		WB/S/P	2-2,500 pg/mL	12
	ASO	●	●			●	S/P	25-800 IU/mL	12
	Dengue NS1 Ag	●	●		●		WB/S/P	Qualitative	12
	Dengue IgG/IgM	●	●		●		WB/S/P	Qualitative	12
	HBsAg	●					WB/S/P	Qualitative	12
	Anti-HBs	●	●		●		WB/S/P	Qualitative	15
	Anti-HCV	●					WB/S/P	Qualitative	12
	Influenza A+B	●	●	●	●		NS/ Nasal aspirate	Qualitative	10
	RSV	●	●	●	●		NS/ Nasal aspirate	Qualitative	10
	Influenza A+B/RSV	●	●	●	●		NS/ Nasal aspirate	Qualitative	10
	NORO	●	●		●		Feces	Qualitative	12
	ROTA	●	●		●		Feces	Qualitative	12
	Adeno	●	●	●	●		NS/ Nasal aspirate	Qualitative	10
	Rota/Adeno	●	●		●		Feces	Qualitative	12
	Strep A	●	●	●	●		Throat swab	Qualitative	5
	Mycoplasma	●	●	●	●		Throat swab	Qualitative	10
	IGRA-TB				●		P	Qualitative	15
	IGRA-TB 25	●	●		●		P	Qualitative	15
	Toxo IgG/IgM	●	●				WB/S/P	Qualitative	12
	Autoimmune	RF IgM	●					WB/S/P	8-200 IU/mL
Anti-CCP Plus		●	●		●		WB/S/P	3.5-300 U/mL	12
Total IgE		●					WB/S/P	1-1,000 IU/mL	12
Liver function	AST	●	●				S/P	10-1,000 U/L	15
Other test items	Ferritin	●	●			●	S/P	10-1,000 ng/mL	10
	Vitamin D	●	●			●	S/P	8-70 ng/mL	28
	Vitamin D Neo	●	●			●	WB/S/P	5-100 ng/mL	12
	Calprotectin	●	●	●		●	Feces	10-1,000 mg/kg feces	10
	H. pylori SA	●	●				Feces	Qualitative	12

WB = Whole blood, S = Serum, P = Plasma, NS = Nasopharyngeal swab

AFIAS Parameters



Category	Item	AFIAS-1 AFIAS-6	AFIAS-3	AFIAS-10	Sample type	Working range	Test time (min)
Cardiac	Tn-I Plus	●	●	●	WB/S/P	0.01-15.00 ng/mL	12
	CK-MB	●	●	●	WB/S/P	3-100 ng/mL	12
	CK-MB Neo	●	●	●	WB/S/P	3-100 ng/mL	12
	D-Dimer	●	●	●	WB/P	50-10,000 ng/mL	12
	D-Dimer Neo	●	●	●	WB/P	50-10,000 ng/mL	12
	NT-proBNP	●	●	●	WB/S/P	10-30,000 pg/mL	12
	Myoglobin	●	●	●	WB/S/P	2-500 ng/mL	12
	Myoglobin Neo	●	●	●	WB/S/P	2-500 ng/mL	12
	Cardiac Triple	●	●	●	WB/S/P	Tn-I: 0.01-15 ng/mL CK-MB: 3-100 ng/mL Myoglobin: 5-500 ng/mL	12
	ST2	●	●	●	WB/S/P	3.1-200 ng/mL	12
	BNP	●	●	●	WB/P	5-5,000 pg/mL	12
	Troponin T	●	●	●	WB/S/P	10-20,000 pg/mL	12
	hsCRP	●	●	●	WB/S/P	0.1-10.0 mg/L	3
	Cancer	PSA	●			WB/S/P	0.5-100.0 ng/mL
AFP		●	●	●	WB/S/P	5-350 ng/mL	15
CEA		●	●	●	WB/S/P	1-500 ng/mL	15
Diabetes	HbA1c	●	●	●	WB	(NGSP) 4-15%	10
	HbA1c Neo	●	●	●	WB	(NGSP) 4-15%	10
	Microalbumin	●	●	●	Urine	2-300 mg/L	12
Hormone	TSH	●	●	●	WB/S/P	0.09-100 µIU/mL	12
	TSH Plus	●	●	●	WB/S/P	0.08-50 µIU/mL	12
	T3	●	●	●	S/P	0.77-7.7 nmol/L	10
	T4	●	●	●	S/P	10.23-300.00 nmol/L	10
	FSH	●	●	●	WB/S/P	1-100 mIU/mL	12
	Total βhCG	●	●	●	WB/S/P	5-50,000 mIU/mL	15
	β-HCG Plus	●	●	●	WB/S/P	2-1,500 mIU/mL	12
	LH	●	●	●	WB/S/P	1-100 mIU/mL	12
	PRL	●	●	●	WB/S/P	1-100 ng/mL	10
	Progesterone	●	●	●	S/P	4.45-127.2 nmol/L	15
	Testosterone	●	●	●	S/P	0.5-12.0 ng/mL	15
	Cortisol	●	●	●	WB/S/P	80-800 nmol/L	10
AMH	●	●	●	S/P	0.02-15 ng/mL	12	

WB = Whole blood, S = Serum, P = Plasma, NS = Nasopharyngeal swab



AFIAS Parameters

Category	Item	AFIAS-1 AFIAS-6	AFIAS-3	AFIAS-10	Sample type	Working range	Test time (min)
Infection	COVID-19 Ag	●	●	●	NS	Qualitative	12
	COVID-19 Ab	●	●	●	WB/S/P	Qualitative	10
	COVID-19/Flu Ag Combo	●	●	●	NS	Qualitative	20
	COVID-19 nAb	●	●	●	WB/S/P	Qualitative	20
	COVID-19 SP/NP IgG	●		●	WB/S/P	Qualitative	10
	CRP	●	●	●	WB/S/P	0.5-200 mg/L	3
	MxA/CRP	●	●	●	WB	MxA: 10-300 ng/mL CRP: 1-200 mg/L	12
	PCT	●	●	●	WB/S/P	0.1-100 ng/mL	12
	PCT X	●	●	●	WB/S/P	0.1-100 ng/mL	12
	PCT Plus	●	●	●	WB/S/P	0.02-50 ng/mL	12
	PCT Plus G	●	●	●	WB/S/P	0.02-50 ng/mL	12
	IL-6	●	●	●	WB/S/P	2-2,500 pg/mL	12
	Flu A+B	●	●	●	NS	Qualitative	10
	HBsAg	●	●	●	WB/S/P	Qualitative	12
	Anti-HBs	●	●	●	WB/S/P	Qualitative	15
	Anti-HCV	●	●	●	WB/S/P	Qualitative	12
	NORO	●	●	●	Feces	Qualitative	12
	ROTA	●	●	●	Feces	Qualitative	12
	Rota/Adeno	●	●	●	Feces	Qualitative	12
	IGRA-TB	●	●	●	P	Qualitative	15
Autoimmune	Anti-CCP Plus	●	●	●	WB/S/P	3.2-300 U/mL	12
	Total IgE	●	●	●	WB/S/P	1-1,000 IU/mL	12
TDM (Therapeutic Drug Monitoring)	Infliximab	●	●	●	WB/S/P	0.2-50 µg/mL	10
	Adalimumab	●	●	●	WB/S/P	0.2-50 µg/mL	10
	Golimumab	●	●	●	WB/S/P	0.2-30 µg/mL	10
	Trastuzumab	●	●	●	WB/S/P	3-150 µg/mL	10
	Bevacizumab	●	●	●	WB/S/P	5-300 µg/mL	8
	Total Anti-Infliximab	●	●	●	S/P	8-250 AU/mL	22
	Free Anti-Infliximab	●	●	●	WB/S	4-250 AU/mL	12
	Free Anti-Adalimumab	●	●	●	WB/S	3-200 AU/mL	12
	Free Anti-Golimumab	●	●	●	WB/S	2-40 ng/mL	10
	Free Anti-Trastuzumab	●	●	●	WB/S	8-500 AU/mL	10
Other test items	Ferritin	●	●	●	S/P	10-1,000 ng/mL	10
	Vitamin D	●	●	●	S/P	8-70 ng/mL	28
	Vitamin D Neo	●	●	●	WB/S/P	5-100 ng/mL	12

WB = Whole blood, S = Serum, P = Plasma, NS = Nasopharyngeal swab

Advanced Compact Immunofluorescence Analyzer

ichroma™ II

- ▶ High performance with reliability
- ▶ Small, compact & light
- ▶ Multi-test function
- ▶ LIS/HIS compatible



Specifications

QC/Calibration

- System check cartridge
- Internal & external controls

Interface

- 7" touch screen
- Built-in thermal printer
- USB port / Ethernet
SD card slot / WiFi
- LIS / HIS compatible

Memory

- 1,000 patient results
- 1,000 QC results
- 100 User IDs

Analyzer

- 276 x 220 x 91 mm
- 1.3 kg
- 100 - 240V AC, 50-60Hz
- Battery (AAx4)

High-throughput Immunofluorescence Analyzer

ichroma™ III

- ▶ Random access for various parameters
- ▶ Continuous testing
- ▶ Flexible temperature control
- ▶ Patient ID handwriting for user convenience
- ▶ ID chip memory function



Specifications

QC/Calibration

- System check cartridge
- Internal & external controls

Interface

- 7" touch screen
- Built-in thermal printer
- USB port / Ethernet
SD card slot / RS232C port
- LIS/HIS compatible

Memory

- 5,000 patients results
- 500 ID chips
- 100 User IDs

Analyzer

- 240 x 465 x 341 mm
- 11 kg
- 100-240V AC, 50-60 Hz

World First Automated Dry Immunoassay System

ichroma™-50

- ▶ Full automation from sample to result
- ▶ Up to 80 tests/hour
- ▶ Ready for Universal blood collection tube
- ▶ Various types of sample
 - Whole blood, fingertip blood, serum, plasma and stool



Specifications

Sample barcode types

- Internal code 128; Interleaved 2 of 5;
- Code 39

Interface

- 10.1" TFT touch screen
- Built-in thermal printer
- USB port / Ethernet
- SD card slot / RS232 port
- LIS/HIS compatible

Memory

- 5,000 patient results

Analyzer

- 610 x 610 x 606 mm
- 49 kg
- AC 110-240V, 47-63 Hz

Mini size Fluorescence Immuno-analyzer

ichroma™ M2 & M3

- ▶ Portable and compact with high performance
- ▶ One-click operation for user convenience
- ▶ Cost-effective
- ▶ Power supply with portable charger



Specifications

QC/Calibration

- System check cartridge
- Internal & external controls

Interface

- One-button operation
- LCD display

Analyzer

- 165 x 95 x 55 mm
- 300 g
- 100-240V AC, 50-60Hz

Versatile Desktop Fluorescence Immuno-analyzer

AFIAS-6

- ▶ Automated POCT system with All-in-One cartridges
- ▶ Easy to use with proprietary C-tips (for fingertip blood)
- ▶ Up to 6 different parallel tests
- ▶ US FDA 510(K) cleared



Specifications

QC/Calibration

- 2 calibrators & 2 controls
- Internal & external controls

Interface

- 7" touch screen
- Built-in thermal printer
- USB port / Ethernet
SD card slot / RS232
- LIS/HIS compatible

Memory

- 5,000 patient results
- 5,000 QC results
- 500 ID chips
- 100 User IDs

Analyzer

- 420 x 336 x 293 mm
- 15.1 kg
- 100 – 240V AC, 50-60Hz
- Internal temperature control

Automated All-in-one Fluorescence Immuno-analyzer

AFIAS-1

- ▶ Automated POCT system with All-in-One cartridges
- ▶ Easy to use with proprietary C-tips (for fingertip blood)
- ▶ Quick test results with reliability
- ▶ Small, compact, & light



Specifications

QC/Calibration

- 2 calibrators & 2 controls
- Internal & external controls

Interface

- 5" touch screen
- Built-in thermal printer
- USB port / Ethernet
SD card slot / RS232
- LIS/HIS compatible

Memory

- 5,000 patient results
- 5,000 QC results
- 500 ID chips
- 100 User IDs

Analyzer

- 320 x 204 x 180 mm
- 3.9 kg
- 100 – 240V AC, 50-60Hz
- Internal temperature control

High-throughput Fluorescence Immunoassay with blood tube

AFIAS-10

- ▶ Full automation from blood tube
- ▶ 10 different tests in parallel
- ▶ Emergency test first during operation
- ▶ Bidirectional LIS/HIS



Specifications

QC/Calibration

- Internal & external controls

Interface

- 10.1" touch screen
- Built-in thermal printer
- USB port / Ethernet
SD card slot / RS232
- LIS/HIS compatible

Memory

- 10,000 patients & QC results
- 100 ID chips
- 100 User IDs

Analyzer

- 426 x 443 x 395 mm
- 20 kgs
- 100-240V AC, 50-60 Hz
- Internal temperature control

Automated All-in-one Fluorescence Immuno-analyzer

AFIAS-3

- ▶ AFIAS system for 3 parallel tests
- ▶ Extra tip station – faster TAT
- ▶ Compact system for multiple testing
- ▶ User friendly UI



Specifications

QC/Calibration

- Internal & external controls

Interface

- 7" touch screen
- Built-in thermal printer
- USB port / Ethernet
SD card slot / RS232
- LIS/HIS compatible

Memory

- 5,000 patients results
- 5,000 QC results
- 500 ID chips
- 100 User IDs

Analyzer

- 276 x 365 x 313 mm
- 9.3 kgs
- 100-240V AC, 50-60 Hz
- Internal temperature control

Total Hemoglobin Meter

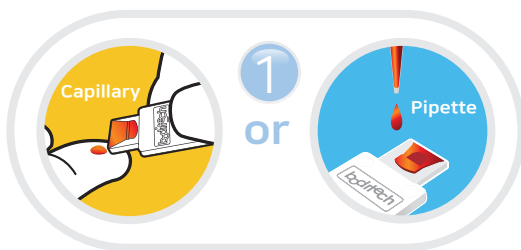
US FDA
US FDA CLIA waived

hemochroma PLUS

- ▶ Microcuvette with dual sample inlets
- ▶ Capillary blood or tube blood

Specifications

Principle	Absorptiometry
Sample Types	Whole blood
Sample volume	15 µL
Detection range	5.0-25.6 g/dL
Reading time	3 seconds
Memory	1,000 tests
Analyzer	106 x 151 x 39 mm
Power	Batteries (AA×4) or USB charger Serial printer connection



Fully Automated Extraction Solution

NuActor

- ▶ Automated Extraction within 13 min
- ▶ UV sterilization
- ▶ Viral DNA/RNA extraction



Extraction cartridge

Product	Sample type	Unit
Viral RNA extraction kit	S/P/VTM/UTM	96T/box
Viral DNA extraction kit	S/P	96T/box
Sputum DNA extraction kit	Sputum	96T/box

Fast and Simple Viral-Load Analyzer

ExAmplar

- ▶ Fast result with Real-time PCR
- ▶ Compact and Cost effective
- ▶ Time to result: <30 min (DNA), 55 min (RNA)



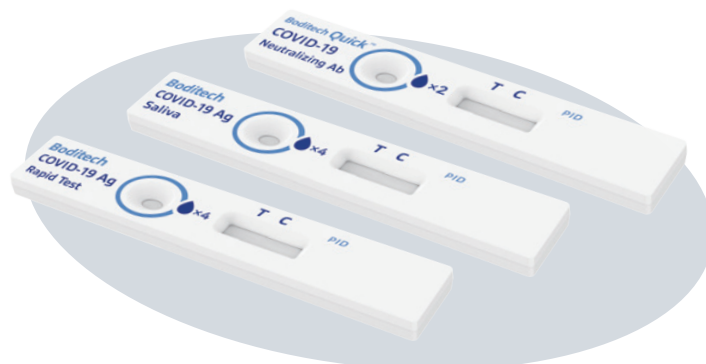
PCR products

Product	Unit
ExAmplex COVID-19 PCR 3-gene Lyo kit	96T/box
ExAmplar COVID-19 real-time PCR kit (L)	48T/box
ExAmplex Influenza A/B SARS-CoV-2 PCR kit	96T/box
ExAmplar Quanti-HCV	60T/box
ExAmplar Quanti-HBV	60T/box
ExAmplar Quanti-HIV-1	60T/box
ExAmplar MTB kit	72T/box

Boditech Quick™

Rapid Diagnostic Test

- ▶ On-site diagnostics with naked eyes
- ▶ Simple test procedure
- ▶ Fast and reliable result



Category	Item	Testing type	Sample type	Test time (min)
Infection	Boditech Quick™ COVID-19 Ag Nasal	IVD use	Nasopharyngeal swab Nasal swab	15
	Boditech Quick™ COVID-19 Ag Saliva	Self testing	Saliva	15
	Boditech Quick™ COVID-19 Ag Neutralizing Ab	IVD use	WB/S/P	10



Your life, Our inspiration

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