



Handheld Biochemical Immunoassay Analyzer



PIONEERING IN HANDHELD POCT INSTRUMENTS

Device	Handheld Biochemical Immunoassay Analyzer BK-120
Principle	Dry Chemistry/Immunofluorescence
Sample Type	Whole blood, serum, plasma, urine, capillary blood, etc.
Weight	750 g
Size	210 mm (length) × 90 mm (width) × 60 mm (height)



Original Dual Methodology

Dry chemistry &
Immunofluorescence
Result obtained in **0.5-15** min



Comprehensive Test Items

Covering **10+** diagnostic category
Up to **60+** test items



Exclusive & Featured Items

GLU/HbA1c Cre/MAU
AST/ALT FT3/FT4/TSH VD

Category	Item	Sample Type	Time	Volume	Detection Range	Methodology
Cardiovascular	hs-cTnI	P/WB	10 min	80 µL	0.02-50 ng/mL	IF
	cTnT	S	10 min	80 µL	50-10000 pg/mL	IF
	cTnI/CK-MB/Myo	S	10 min	80 µL	cTnI: 0.1-40 ng/mL CK-MB: 2.5-80 ng/mL Myo: 30-500 ng/mL	IF
	D-Dimer	P/WB	10 min	80 µL	0.1-10 µg/mL	IF
	NT-proBNP	S	10 min	80 µL	50-30000 pg/ml	IF
	MYO*	S	10 min	80 µL	30-600 ng/mL	IF
	cTnI/CK-MB*	S	10 min	80 µL	CK-MB: 2.5-80 ng/mL cTnI: 0.1-40 ng/mL	IF
	CK-MB*	S	10 min	80 µL	2.5-80 ng/mL	IF
	cTnT/NT-proBNP	S	10 min	80 µL	cTnT: 50-10000 pg/mL NT-proBNP: 50-30000 pg/mL	IF
	cTnI/NT-proBNP*	S	10 min	80 µL	cTnI: 0.1-40 ng/mL NT-proBNP: 50-30000 pg/mL	IF
	BNP*	S	10 min	80 µL	5-5000 pg/mL	IF
Inflammation	Hs-CRP+CRP	S/P/WB/CB	3 min	5 µL	CRP: 0.5-200 mg/L	IF
	PCT	S	10 min	80 µL	0.1-100 ng/mL	IF
	SAA/CRP	S/P/WB/CB	5 min	5 µL	CRP: 0.5-200 mg/L SAA: 3-200 mg/L	IF
	PCT/IL-6	S	10 min	80 µL	PCT: 0.1-100 ng/mL IL-6: 5-4000 pg/mL	IF
Thyroid Function	FT3	S/P/WB/CB	10 min	50 µL	1.5-50 pmol/L	IF
	FT4	S/P/WB/CB	10 min	50 µL	6.4-77.2 pmol/L	IF
	TSH	S/P/WB/CB	10 min	50 µL	0.1-100 µIU/mL	IF
	FT3/FT4/TSH Combo	S/CB P/WB(EDTA)	15 min	50 µL	TSH: 0.1-100 µIU/mL FT4: 6.4-77.2 pmol/L FT3: 1.5-50 pmol/L	IF
	T3	S	10 min	50 µL	0.5-10 nmol/L	IF
	T4	S	10 min	50 µL	15-300 nmol/L	IF
Metabolism	25-OH-VD	S/CB P/WB(Hep/CIT)	15 min	20 µL	8-70 ng/mL	IF
Kidney Function	UA	S/CB P/WB(EDTA/Hep)	30 s-3 min	20 µL	50-1190 µmol/L	DC
	UA/Cre/Urea	S/CB P/WB(EDTA)	5 min	50 µL	Urea: 0.9-35.7 mmol/L Cre: 30-1500 µmol/L UA: 50-1190 µmol/L	DC
	MAU	U	5 min	100 uL	5-200 mg/L	IF
	Cre/MAU(2 in 1)	U	5 min	100 µL	Cre: 0.8-30mmol/L MAU: 10-200 mg/L	DC&IF
	Cre	S/CB P/WB(EDTA/CIT)	5 min	30 µL	30-1500 µmol/L	DC
	CysC	S	5 min	5 µL	0.2-8 mg/L	IF

*Coming Soon **In Development
IF:Immunofluorescence; DC:Dry Chemistry

WB:Whole blood;S:Serum;P:Plasma;CB:capillary blood; U:Urine;F:Faeces
EDTA:EDTA anticoagulant; Hep:Heparin anticoagulant; CIT:Citrated anticoagulant

Category	Item	Sample Type	Time	Volume	Detection Range	Methodology
Liver Function	ALT/AST	S/CB P/WB(CIT)	5 min	30 µL	4-1000 U/L	DC
	TB/DB/IDB**	S	3 min	30 µL	TB:1.7-461-7 µmol/L DB:0-462 µmol/L IDB:0-462µmol/L	DC
	TP/GB/WB*	S	3 min	30 µL	TP:20-110 g/L GB:5-50 µmol/L WB: 10-60 µmol/L	DC
	ALP**	S	5 min	20 µL	5-5000 U/L	DC
	GGT**	S	5 min	20 µL	3-750 U/L	DC
Pancreatic	LIP/AMY**	S	5 min	40 µL	LIP:20-6000 U/L AMY:5-1000 U/L	DC
Diabetes	GLU	S/CB P/WB(EDTA/Hep)	30 s-3 min	20 µL	2-25 mmol/L	DC
	HbA1c	CB WB(EDTA/Hep)	5 min	10 µL	4-14 %	IF
	GLU/HbA1c(2 in 1)	CB WB(EDTA/Hep)	5 min	20 µL	Glu: 2-25 mmol/L HbA1c: 4%-14%	DC&IF
	INS	S/P/WB/CB	15 min	20 µL	0.2-1000 µU/mL	IF
Blood Lipids	TG/HDL-C/ TCH/LDL-C	S/CB P/WB(EDTA/Hep)	30 s-3 min	40 µL	TG: 0.5-6 mmol/L HDL-C: 0.2-2.5 mmol/L TCH: 2.5-10.5 mmol/L	DC
	TCH	S/CB P/WB(EDTA/Hep)	30 s-3 min	20 µL	TCH: 2.5-10.5 mmol/L	DC
Fertility	β-HCG	S	10 min	5 µL	5-10000 mIU/mL	IF
	PRL	S	10 min	50 µL	1-200 ng/mL	IF
	FSH	S	10 min	20 µL	1-100 mIU/mL	IF
	LH	S	10 min	50 µL	1-100 mIU/mL	IF
	AMH	S	10 min	50 µL	0.1-20 ng/mL	IF
	TES	S	10 min	50 µL	0.2-15 ng/mL	IF
	E2	S	15 min	20 µL	9-3000 pg/mL	IF
	Prog	S	10 min	80 µL	1.5-60 ng/mL	IF
Tumor Marker	fPSA	S	10 min	50 µL	0.1-50 ng/mL	IF
	tPSA	S	15 min	10 µL	2-80 ng/mL	IF
	CEA*	S	10 min	20 µL	2-1000 ng/mL	IF
	AFP	S	10 min	50 µL	1-1000 ng/mL	IF
	FOB	F	5 min	50 mg	20-1000 ng/mL	IF
	CA-125	S	15 min	20 µL	2-500 U/mL	IF
	CA-242*	S	15 min	20 µL	2-500 U/mL	IF
	CA-50*	S	15 min	20 µL	2-500 U/mL	IF
	CA19-9	S	10 min	50 µL	2-500 U/mL	IF
CA15-3*	S	15 min	20 µL	2-300 U/mL	IF	

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Digestive Diseases	HP ag	F	10 min	50 mg	0.1-100 ng/mL	IF
	CAL	F	10 min	50 mg	20-1000µg/g	IF
Infectious Disease	anti-HCV	S	10 min	50 µL	1-1000 S/CO	IF
	Syphilis	S	15 min	100 µL	1-50 S/CO	IF
	HBsAg	S	10 min	80 µL	0.1-2000 IU/mL	IF
	Dengue NS1*	S	10 min	80 µL	0.5-1000 ng/mL	IF
	Dengue IgM/IgG*	S	10 min	80 µL	1-20 S/CO	IF
Anemia	HB	WB/CB	1 min	5 µL	4.5-25.6 g/dL	DC
	Fer	S	10 min	50 µL	10-1000 ng/mL	IF
Trace elements	Ca**	S	3 min	20 µL	0.25-3.49 µmol/L	DC
	Zn**	S	3 min	20 µL	0.61-115.21 µmol/L	DC
	P**	S	3 min	20 µL	0.3-6.0 mmol/L	DC
Other	IgE	S	10 min	20 µL	5-1000 IU/mL	IF
	GLU/UA/TG/TCH	S/CB P/WB(EDTA/Hep)	30 s-3 min	50 µL	GLU: 2-25 mmol/L UA: 50-1190 umol/L TG: 0.5-6 mmol/L TCH: 2.5-10.5 mmol/L	DC
	Cor	S	10 min	80 µL	5-1000 nmol/L	IF

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