

Illuminate Precision: Your Fluorescent Immunoassay Solution



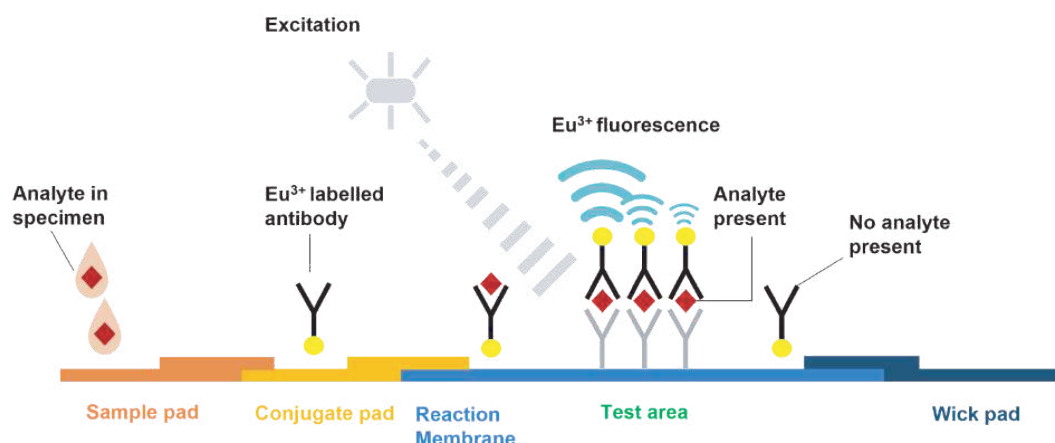
FIA SAMYAK-I

Fluorescence ImmunoAssay

Combination of Speed and Accuracy

FIA SAMYAK - I - Samyak I is an advanced fluorescence immunochematographic analyzer, that provides an accurate diagnosis for a variety of conditions, such as infections, thyroid function, diabetes, anemia, cardiovascular diseases, fertility/ infertility, tumors, etc.

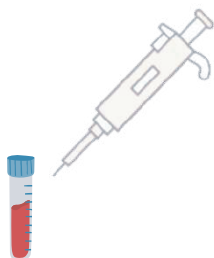
Rapid
Compact
Convenient
Large test menu
QC set available
LIS/HIS/Wifi connectivity





Test Procedure

Step 1: Sampling



Step 2: Adding&Mixing



Step 3: Loading

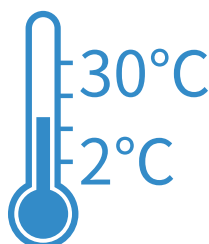


Step 4: Testing



Excellent performance and easy to use

Professional skills are not required. It can run the test with whole blood, plasma, serum, and urine samples, etc. in a quick test or standard test mode.



All reagents can be stored and transported at room temperature(~25°C)

Specifications

Model	FIA SAMYAK - I
Principle	Fluorescence immunoassay
Dimension	240mm*214mm*120mm
Weight	<3 Kg
Sample type	WB/Plasma/Serum/Urine, etc.
Printer	Built-in thermal printer
Touch screen	7 inch
System	Android 4.4
Data storage	Over 50000 test records
Language	English, Spanish, Portuguese, etc.
Connectivity	LIS/HIS/Wifi

Test Menu



Thyroid

TSH
T3
T4
FT3
FT4



Fertility/Infertility

Total β -HCG
PROG
FSH
LH
PRL
AMH
Testosterone
E2



Cardiac

cTnI
hs-cTnI
Myo
CK-MB
NT-proBNP
D-Dimer
HCY
cTnI/Myo/CK-MB



Tumor

*AFP
CEA
tPSA
fPSA
FOB
CA 125
CA 15.3
CA 19.9



Bone metabolism /Anemia

25-OH-VD
Vitamin B12
Folic Acid
Ferritin
IGF-I



Diabetes

HbA1c
Insulin
C-peptide



Inflammation

hsCRP/CRP
PCT
IL-6
SAA
Cal
Strep A



Respiratory Tract Infection

COVID-19 Ag
Flu A/B
RSV
ADV
MP IgM



ToRCH

Toxo IgG/IgM
Rubella IgG/IgM
CMV IgG/IgM
HSV-1 IgG/IgM
HSV-2 IgG/IgM



STD

HBsAg
HCV
TP
HIV



Tropical infection

Malaria Ag pf/pv
Malaria Ag pf/pan
Dengue NS1
Dengue IgM/IgG



Others

Total IgE
H.Pylori Ag
H.Pylori Ab
*Anti-CCP
*Cortisol

*Coming soon



Vimek Bioconcept Pvt. Ltd.

88-B, Government industrial Estate,
Kandivali West, Mumbai – 400064, India

Tel : +91 87792 65798

Email : Support.fia@vimekbioconcept.in

Product	Specimen	Sampling	Reaction Time	Detection Range	Clinical Reference
Fia Samyak I-I					
Fia Samyak I cTnI	Serum/Plasma/WB	75uL	15min	0.1-40ng/mL	0-0.3ng/mL
Fia Samyak I Myo	Serum/Plasma/WB	75uL	15min	5-500ng/mL	<80ng/mL
Fia Samyak I CK-MB	Serum/Plasma/WB	75uL	15min	1-100ng/mL	0-5ng/mL
Fia Samyak I NT-proBNP	Serum/Plasma/WB	30uL	15min	100-20000pg/mL	<75years old: <300pg/mL ; >75 years old: <450pg/mL
Fia Samyak I D-Dimer	Plasma/WB	10uL	5min	0.1-10mg/L	0-0.5mg/L
Fia Samyak I cTnI/Myo/CK-MB	Serum/Plasma/WB	75uL	15min		
Fia Samyak I hs-cTnI	Serum/Plasma/WB	100uL	15min	10-10000pg/mL	0-40pg/mL
Fia Samyak I HCY	Serum/Plasma/WB	50uL	10min	3.5-48µmol/L	0-15µmol/L
Fia Samyak I fPSA	Serum/Plasma/WB	75uL	15min	0.2-30ng/mL	<1ng/mL
Fia Samyak I tPSA	Serum/Plasma/WB	35uL	15min	2-80ng/mL	0-4ng/mL
Fia Samyak I PCT	Serum/Plasma/WB	50uL	15min	0.1-100ng/mL	0-0.5ng/mL
Fia Samyak I IL-6	Serum/Plasma/WB	100uL	15min	5-5000pg/mL	0-10pg/mL
Fia Samyak I hsCRP/CRP	Serum/Plasma/WB	5uL	3min	0.5-200mg/L	CRP 0-10/hsCRP 0-1
Fia Samyak I SAA	Serum/Plasma/WB	5uL	10min	5-300mg/L	0-10mg/L
Fia Samyak I AMH	Serum/Plasma/WB	75uL	15min	0.1-16ng/mL	0-7ng/mL
Fia Samyak I LH	Serum/Plasma/WB	75uL	15min	1-100mIU/mL	(i)Male normal range: 1.70~8.60 mIU/mL (ii)Female: Follicular phase: 2.95~13.65 mIU/mL Ovulation: 13.65~95.75 mIU/mL Luteal phase: 1.25~11.00 mIU/mL Menopause: 8.24~55.23 mIU/mL
Fia Samyak I FSH	Serum/Plasma/WB	75uL	15min	1-100mIU/mL	(1) Male: 1.50~12.40 mIU/mL (2) Female: Follicular phase: 4.46~12.43 mIU/mL Ovulation: 4.86~20.96 mIU/mL Luteal phase: 1.96~7.70 mIU/mL Menopause: >22.70 mIU/mL
Fia Samyak I PRL	Serum/Plasma/WB	75uL	15min	1-200ng/mL	Male 3.45~17.42ng/mL Female (not pregnant) 4.60~25.07ng/mL
Fia Samyak I Testosterone	Serum/Plasma/WB	50uL	10min	0.2-15ng/mL	male: 4.03-7.32ng/mL ; female: 0.37-0.81ng/mL ; Male children: <2.54ng/mL ; Female children: <0.20ng/mL
Fia Samyak I PROG	Serum/Plasma/WB	100uL	10min	0.5-60ng/mL	(1)Males : 0.2~1.5 ng/mL (2)Females Follicle phase: 0.2~1.5 ng/mL; Ovulation: 0.8~3.0 ng/mL Luteal phase: 1.7~27 ng/mL; Post-menopausal: 0.1~0.8 ng/mL First trimester: 9.0~47.0 ng/mL; Second trimester: >17.0ng/mL Third trimester: >55.0ng/mL
Fia Samyak I β-HCG	Serum/Plasma/WB	10uL	15min	5-200000mIU/mL	0-5mIU/mL
Fia Samyak I HbA1c	WB	5uL	5min	3-14%	4%-6%
Fia Samyak I INS	Serum/Plasma/WB	20uL	10min	2-300mIU/L	2.6-24.9mIU/L
Fia Samyak I C-Peptide	Serum/Plasma/WB	50uL	15min	0.1-30ng/mL	1.0-4.5ng/mL
Fia Samyak I TSH	Serum/Plasma/WB	75uL	15min	0.1-100mIU/L	0.3-4.2mIU/L
Fia Samyak I T3	Serum/Plasma	90uL	10min	0.61-9.22nmol/L	1.3-3.1nmol/L
Fia Samyak I T4	Serum/Plasma	30uL	10min	12.87-310nmol/L	66-181nmol/L
Fia Samyak I FT3	Serum/Plasma	70uL	10min	2-45pmol/L	3.1-6.8pmol/L
Fia Samyak I FT4	Serum/Plasma	30uL	15min	2-70pmol/L	12-22pmol/L
Fia Samyak I 25-OH-VD	Serum/Plasma/WB	10uL	15min	5-100ng/mL	>30ng/mL
Fia Samyak I Ferritin	Serum/Plasma/WB	75uL	10min	5-500ng/mL	Male: 30-400ng/mL; Female:13-150ng/mL
Fia Samyak I VB12	Serum/Plasma	40uL	10min	100-1500.0 pg/mL	200-900 pg/mL
Fia Samyak I FA	Serum/Plasma	40uL	15min	1-20ng/mL	3.5-20ng/mL
Fia Samyak I total IgE	Serum/Plasma/WB	10uL	15min	1-5000 ng/mL	neonates <3.6 ng/mL <1 <36 ng/mL 1-5 <144 ng/mL 6-9 <216 ng/mL 10-15 <480 ng/mL >16 <240 ng/mL
Fia Samyak I FOB	feces	50mg	15min	20-1000ng/ml	0-100ng/ml
Fia Samyak I CA 125	Serum/Plasma/WB	serum/plasma 100uL; whole blood 120 uL	15min	5-500 U/mL	0-35 U/mL
Fia Samyak I CA 15.3	Serum/Plasma/WB	serum/plasma 100uL; whole blood 120 uL	15min	5-500 U/mL	0-28 U/mL
Fia Samyak I CA 19.9	Serum/Plasma/WB	serum/plasma 100uL; whole blood 120 uL	15min	5-200 U/mL	0-34 U/mL
Fia Samyak I Col	feces	50mg	15min	5-200ug/g	0-50 ug/g
Fia Samyak I HBsAg	Serum/Plasma/WB	serum/plasma 100uL; whole blood 120 uL	15min	/	0-0.5ng/ml
Fia Samyak I HCV	Serum/Plasma/WB	serum/plasma 100uL; whole blood 120 uL	15min	/	0-1
Fia Samyak I HIV	Serum/Plasma/WB	serum/plasma 100uL; whole blood 120 uL	15min	/	≤0.8 Negative >0.8, <1 Indeterminate ≥1 Positive
Fia Samyak I TP	Serum/Plasma/WB	serum/plasma 100uL; whole blood 120 uL	15min	/	≤0.8 Negative >0.8, <1 Indeterminate ≥1 Positive
Fia Samyak I Flu A/B	Nasopharyngeal Swab		15min	/	FluA:0-0.5ng/ml/FluB:0-1ng/ml
Fia Samyak I Dengue NS1	Serum/Plasma	50ul	15min	/	0-1ng/ml
Fia Samyak I Dengue IgM/IgG	Serum/Plasma	10ul	15min	/	0-1
Fia Samyak I COVID-19 Ag	Nasopharyngeal Swab		15min	/	0-50pg/ml
Fia Samyak I RSV	Nasopharyngeal Swab		15min	/	0-1ng/ml
Fia Samyak I ADV	Nasopharyngeal Swab		15min	/	0-1ng/ml
Fia Samyak I MP IgM	Serum/Plasma	10ul	15min	/	0-1
Fia Samyak I H.Pylori Ag	feces	50mg	15min	/	<1 ng/mL
Fia Samyak I H.Pylori Ab	Serum/Plasma	10ul	15min	/	0-1ng/ml
Fia Samyak I Malaria Ag pf/pv	WB	10ul	15min	/	0-1ng/ml
Fia Samyak I Malaria Ag pf/pan	WB	10ul	15min	/	0-1ng/ml
Fia Samyak I Strep A	Oropharyngeal swab		15min	/	0-1ng/ml
Fia Samyak I Toxo IgG/IgM	Serum/Plasma	10uL	15min	/	≤0.8 Negative >0.8, <1 Indeterminate ≥1 Positive
Fia Samyak I Rubella IgG/IgM	Serum/Plasma	10uL	15min	/	≤0.8 Negative >0.8, <1 Indeterminate ≥1 Positive
Fia Samyak I CMV IgG/IgM	Serum/Plasma	10uL	15min	/	≤0.8 Negative >0.8, <1 Indeterminate ≥1 Positive
Fia Samyak I HSV-1 IgG/IgM	Serum/Plasma	10uL	15min	/	≤0.8 Negative >0.8, <1 Indeterminate ≥1 Positive
Fia Samyak I HSV-2 IgG/IgM	Serum/Plasma	10uL	15min	/	≤0.8 Negative >0.8, <1 Indeterminate ≥1 Positive