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**vaxpert** ™

# V300

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## Immunofluorescence Analyzer

- Smooth operation, portable detection
- New UI interaction technology, smoother operation, accurate detection, automatic
- Identification of detection items, automatic collection of discarded cards



## Application

Emergency Laboratory, Clinical Department and other Medical Center, Examination Center, Research Laboratory and so on



Clinical Testing



Medical Center

- One-step operation to complete the testing
- Automatically identify test items, throw away card, print result, and upload to LIS



Add test items through ID card. Then insert reagent card and result will be printed after testing.

## Performance parameters

- Testing principle: Fluorescence immunoassay
- Testing channel: Single
- Testing speed: Time for one test < 10 s
- Sample type: 9 sample types to customized (e.g.: Serum, plasma, whole blood, urine, etc.)
- Testing items: Not more than 255 items
- Number of items per card: Multiple items per card are supported
- Screen size: 8.1 inch touch screen
- Operating system: Android
- Data storage volume: >10000 records
- Data transmission: USB, support LIS
- Language interface: Chinese, English (customized)
- Printer: Built-in thermal printer, Can be connected to a specified model printer
- Reagent card code: Bar code, QR code (customized)
- Applicable card type: ID card
- Dimension: 325 mm \* 159 mm \* 202 mm
- Net weight: 3 kg

## Immunofluorescence Reagent

## TEST KIT



Category	Test Item	Item No.	Sample	Reaction Time	Linearity Range	Reference
Infection	CRP	SA.02.00002 (SEMI) / SJ.02.00002 (AUTO)	Serum / Plasma	3 min	0.5-200 mg/L	10 > mg/L
	PCT	SA.02.00004 (SEMI) / SJ.02.00004 (AUTO)	Serum / Plasma	15 min	0.1-100 ng/mL	0.5 > ng/mL
	SAA	SA.02.00005 (SEMI) / SJ.02.00005 (AUTO)	Serum / Plasma	15 min	2.0-100 mg/mL	10 > mg/mL
	IL-6	SA.02.00006 (SEMI) / SJ.02.00006 (AUTO)	Serum / Plasma	15 min	3.0-4000 pg/mL	7.5 > pg/mL
	CRP / SAA	SA.02.00007 (SEMI) / SJ.02.00007 (AUTO)	Serum / Plasma	15 min	CRP: 0.5-150 mg/L SAA: 0.5-300 mg/L	CRP < 8.28 mg/L SAA < 10 mg/L
	PCT / IL-6	SA.02.00008 (SEMI) / SJ.02.00008 (AUTO)	Serum / Plasma	15 min	IL-6: 10-1000 pg/mL PCT: 0.1-40 ng/mL	IL-6 < 15 pg/mL PCT < 0.5 ng/mL
	HBP / PCT	SA.02.00053 (SEMI) / SJ.02.00053 (AUTO)	plasma	15 min	HBP: 1-200 ng/mL PCT: 0.05-50 ng/mL	HBP < 15 ng/mL PCT < 0.5 ng/mL
	HBP	SA.02.00054 (SEMI) / SJ.02.00054 (AUTO)	Plasma	15 min	5-300 ng/mL	15 > ng/mL
Sex Hormone	PROG	SA.02.00009 (SEMI) / SJ.02.00009 (AUTO)	Serum / Plasma	15 min	1.2-120 nmol/L	Follicular phase: 0.6-1.9 nmol/L Ovipoist period: 0.95-6.68 nmol/L Luteal phase: 6.8-7.2 nmol/L The 1st trimester of pregnancy: 12.4-190.8 nmol/L The 1st trimester of pregnancy: 48.97-190.8 nmol/L Menopause: 0-3.2 nmol/L Male: 0.31-2.67 nmol/L
	FSH	SA.02.00010 (SEMI) / SJ.02.00010 (AUTO)	Serum / Plasma	15 min	2-100 IU/L	Follicular phase: 1.5-7.5 IU/L Ovipoist period: 2.8-12.5 IU/L Luteal phase: 1.8-5.0 IU/L After menopause: 15.0-76.0 IU/L Male: 1.25-19.62 IU/L
	LH	SA.02.00011 (SEMI) / SJ.02.00011 (AUTO)	Serum / Plasma	15 min	2-100 IU/L	Follicular phase: 2-12.5 IU/L Ovipoist period: 13-106 IU/L Luteal phase: 0-10.5 IU/L After menopause: 7-65.2 IU/L Male: 1.15-8.65 IU/L
	β-HCG	SA.02.00012 (SEMI) / SJ.02.00012 (AUTO)	Serum / Plasma	15 min	4-10000 mIU/mL	10 > m IU/mL
	PRL	SA.02.00013 (SEMI) / SJ.02.00013 (AUTO)	Serum / Plasma	15 min	40-3000 μIU/mL	Premenopausal women: 74-566 μIU/mL Postmenopausal women: 68-528 μIU/mL Male: 63.5-350 μIU/mL
	Cor	SA.02.00014 (SEMI) / SJ.02.00014 (AUTO)	Serum / Plasma	15 min	0.5 μg/dL-36 μg/dL	3.56-22.73 μg/dL
	AMH	SA.02.00015 (SEMI) / SJ.02.00015 (AUTO)	Serum / Plasma	15 min	0.1-24 ng/mL	2-14 ng/mL

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Category	Test Item	Item No.	Sample	Reaction Time	Linearity Range	Reference
Thyroid Hormone	TSH	SA.02.00016 (SEMI) / SJ.02.00016 (AUTO)	Serum / Plasma	15 min	0.1-100 µIU/mL	0.3-5.6 µIU/mL
	T3	SA.02.00017 (SEMI) / SJ.02.00017 (AUTO)	Serum / Plasma	15+10 min	0.77-6.0 nmol/L	1.34-2.73 nmol/L
	T4	SA.02.00018 (SEMI) / SJ.02.00018 (AUTO)	Serum / Plasma	15 min	15-300 nmol/L	78.51-157.01 nmol/L
	FT3	SA.02.00057 (SEMI) / SJ.02.00057 (AUTO)	Serum / Plasma	10 min	1.6-46 pmol/L	3.1-6.8 pmol/L
	FT4	SA.02.00058 (SEMI) / SJ.02.00058 (AUTO)	Serum / Plasma	10 min	3.2-77.2 pmol/L	11.5-22.7 pmol/L
Cardiac Marker	CK-MB	SA.02.00001 (SEMI) / SJ.02.00001 (AUTO)	Serum / Plasma	15 min	CK-MB: 1-100 ng/mL	CK-MB < 5 ng/mL
	cTnI	SA.02.00019 (SEMI) / SJ.02.00019 (AUTO)	Serum / Plasma	15 min	0.1-40 ng/mL	0.5 > ng/mL
	Myo	SA.02.00020 (SEMI) / SJ.02.00020 (AUTO)	Serum / Plasma	15 min	5-400 ng/mL	60 ≥ ng/mL
	NT-proBNP	SA.02.00021 (SEMI) / SJ.02.00021 (AUTO)	Serum / Plasma	15 min	50-20000 pg/mL	300 ≥ pg/mL (< 75 years old) 450 ≥ pg/mL (≥ 75 years old)
	H-FABP	SA.02.00022 (SEMI) / SJ.02.00022 (AUTO)	Serum / Plasma	15 min	3-100 ng/mL	≤ 7 ng/mL
	D-Dimer	SA.02.00023 (SEMI) / SJ.02.00023 (AUTO)	Serum / Plasma	15 min	0.1-10 mg/L	< 0.5 mg/L
	cTnI / Myo / CK-MB (3 In 1)	SA.02.00024 (SEMI) / SJ.02.00024 (AUTO)	Serum / Plasma	15 min	cTnI: 0.1-40 ng/mL CK-MB: 1-100 ng/mL Myo: 5-400 ng/mL	cTnI < 0.3 ng/mL CK-MB < 5 ng/mL Myo < 60 ng/mL
	cTnI / NT-proBNP	SA.02.00025 (SEMI) / SJ.02.00025 (AUTO)	Serum / Plasma	15 min	cTnI: 0.1-40ng/mL NT-proBNP: 50-20000 pg/mL	cTnI < 0.5ng/mL NT-proBNP ≤ 300pg/mL (< 75 > years old) NT-proBNP ≤ 450pg/mL (≥ 75 years old)
cTnT	SA.02.00052 (SEMI) / SJ.02.00052 (AUTO)	Serum / Plasma / Whole blood	15 min	30.0-10000.0pg/mL	100 > pg/mL	
Kidney	NGAL	SA.02.00026 (SEMI) / SJ.02.00026 (AUTO)	Serum / Plasma	10 min	50-1000 ng/mL	60 > ng/mL
	mAlb	SA.02.00027 (SEMI) / SJ.02.00027 (AUTO)	Urine	15 min	5-300 mg/L	0-20 mg/L
	CysC	SA.02.00028 (SEMI) / SJ.02.00028 (AUTO)	Serum / Plasma	5 min	0.2-10 mg/L	0.5-1.1 mg/L
	β2-MG	SA.02.00029 (SEMI) / SJ.02.00029 (AUTO)	Serum / Plasma	15 min	0.3-20 mg/L	1.0-2.7 mg/L
Diabetes	HbAlc	SA.02.00030 (SEMI) / SJ.02.00030 (AUTO)	Whole Blood	15 min	2-14%	3.8 ~ 5.8%
Gastric Function	PG I / II	SA.02.00033 (SEMI) / SJ.02.00033 (AUTO)	Serum / Plasma	15 min	PG I : 70-200 ng/mL PG II: < 20 ng/mL	PG I : 5-200 ng/mL PG II: 2.5-100 ng/mL
	G17	SA.02.00056 (SEMI) / SJ.02.00056 (AUTO)	Serum / Plasma	15 min	1-50 pmol/L	1-7 pmol/L

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Category	Test Item	Item No.	Sample	Reaction Time	Linearity Range	Reference	
Cancer	CEA	SA.02.00034 (SEMI) / SJ.02.00034 (AUTO)	Serum / Plasma	15 min	2.5-1000 ng/mL	35 > ng/mL	
	AFP	SA.02.00035 (SEMI) / SJ.02.00035 (AUTO)	Serum / Plasma	15 min	5-1000 ng/mL	25 > ng/mL	
	PSA	SA.02.00036 (SEMI) / SJ.02.00036 (AUTO)	Serum / Plasma	15 min	2.0-100.0 ng/mL	4 > ng/mL	
	TK1	SA.02.00055 (SEMI) / SJ.02.00055 (AUTO)	Serum / Plasma	15 min	1-20 pmol/L	2 > pmol/L	
Infectious Disease	SARS-Cov-2	SA.02.00037 (SEMI) / SJ.02.00037 (AUTO)	Naso / Oropharyngeal swab	15 min	/	/	
	Dengue IgG / IgM	SA.02.00038 (SEMI) / SJ.02.00038 (AUTO)	Serum / Plasma / Whole blood	15 min	/	/	
	SARS-Cov-2 / FluA+B	SA.02.00039 (SEMI) / SJ.02.00039 (AUTO)	Naso / Oropharyngeal swab	15 min	/	/	
	SARS-Cov-2 IgG / IgM	SA.02.00040 (SEMI) / SJ.02.00040 (AUTO)	Serum / Plasma	15 min	/	/	
	HP-Ab	SA.02.00041 (SEMI) / SJ.02.00041 (AUTO)	Serum / Plasma	15 min	/	/	
	HP-Ag	SA.02.00042 (SEMI) / SJ.02.00042 (AUTO)	Feces	15 min	/	/	
	FOB	SA.02.00043 (SEMI) / SJ.02.00043 (AUTO)	Feces	15 min	/	/	
	p.f/pan	SA.02.00044 (SEMI) / SJ.02.00044 (AUTO)	Whole blood	15 min	/	/	
	RSV	SA.02.00045 (SEMI) / SJ.02.00045 (AUTO)	Naso / Oropharyngeal swab	15 min	/	/	
	Influenza A/B	SA.02.00046 (SEMI) / SJ.02.00046 (AUTO)	Naso / Oropharyngeal swab	15 min	/	/	
	Strep A	SA.02.00047 (SEMI) / SJ.02.00047 (AUTO)	Naso / Oropharyngeal swab	15 min	/	/	
	Adenovirus	SA.02.00048 (SEMI) / SJ.02.00048 (AUTO)	Naso / Oropharyngeal swab	15 min	/	/	
	Mycoplasma IgM	SA.02.00049 (SEMI) / SJ.02.00049 (AUTO)	Serum / Plasma / Whole blood	15 min	/	/	
	Influenza A/B+H1N1	SA.02.00050 (SEMI) / SJ.02.00050 (AUTO)	Naso / Oropharyngeal swab	15 min	/	/	
	Dengue NS1 Ag	SA.02.00051 (SEMI) / SJ.02.00051 (AUTO)	Serum / Plasma / Whole blood	15 min	/	/	
	Others	25-OH-VD	SA.02.00031 (SEMI) / SJ.02.00031 (AUTO)	Serum / Plasma	10 min	8-80 ng/mL	30-80 ng/mL
		IgE	SA.02.00032 (SEMI) / SJ.02.00032 (AUTO)	Serum / Plasma	15 min	8-1000 IU/mL	Neonatal IgE was 0-1.5 iu/mL; IgE within 1 year: 0-15 IU/mL; 1-5 years IgE: 0-60 IU/mL; IgE for ages 6-9: 0-90 IU/mL; 10-15 years IgE: 0-200 IU/mL; Adult IgE: 0-100 IU/mL
VB12		SA.02.00059 (SEMI) / SJ.02.00059 (AUTO)	Serum / Plasma	15 min	150-1500 pg/mL	240-800 pg/mL	

# Colloidal Gold Reagent

## TEST KIT



Category	Test Item	Item No.	Sample	Reaction Time
Sex Hormone	HCG (GICA)	SA.03.00010 (SEMI) / SJ.03.00010 (AUTO)	Urine	5 min
	LH )GICA(	SA.03.00002 (SEMI) / SJ.03.00002 (AUTO)	Urine	5 min
Infectious Disease	HP-Ab (GICA)	SA.03.00003 (SEMI) / SJ.03.00003 (AUTO)	Serum / Plasma	15 min
	HP-Ag )GICA(	SA.03.00004 (SEMI) / SJ.03.00004 (AUTO)	Feces	15 min
	SARS-Cov-2 (LIA)	SA.03.00005 (SEMI) / SJ.03.00005 (AUTO)	Naso / Oropharyngeal swab	15 min
	SARS-Cov-2 (GICA)	SA.03.00006 (SEMI) / SJ.03.00006 (AUTO)	Naso / Oropharyngeal swab	15 min
	Flu A / B (GICA)	SA.03.00007 (SEMI) / SJ.03.00007 (AUTO)	Naso / Oropharyngeal swab	15 min
	SARS-Cov-2 / Flu A+B (GICA)	SA.03.00008 (SEMI) / SJ.03.00008 (AUTO)	Naso / Oropharyngeal swab	15 min
	SARS-CoV-2 IgG / IgM (GICA)	SA.03.00009 (SEMI) / SJ.03.00009 (AUTO)	Serum / Plasma	15 min
	Influenza A / B (LIA)	SA.03.00011 (SEMI) / SJ.03.00011 (AUTO)	Naso / Oropharyngeal swab	15 min
	Dengue IgG / IgM (GICA)	SA.03.00012 (SEMI) / SJ.03.00012 (AUTO)	serum / plasma / whole blood	15 min
	Dengue NS1 Ag (GICA)	SA.03.00013 (SEMI) / SJ.03.00013 (AUTO)	serum / plasma / whole blood	15 min

