Microprofit Biotech



fluorecare®

Immunofluorescence Quantitative Platform

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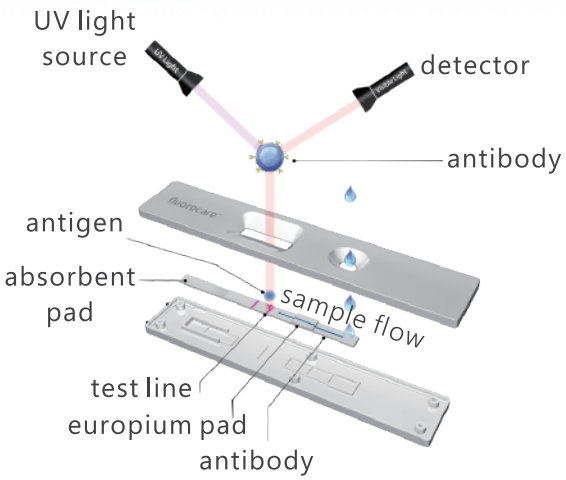
fluorecare®

Microprofit fluorecare® Immunofluorescence Quantitative Platform uses immunochromatographic technology, for the diagnosis of common human diseases. Based on specific antigen-antibody reaction, the triggered fluorescence from the fluorochrome-labeled complexes at the test line is collected and automaticly calculated. For certain analyte, including serum, plasma, urine or other sample, fluorecare® is able to measure the concentration of various biological markers including tumor markers, hormone markers, infection markers, cardiac markers and diabetes markers with excellent accuracy and easy operation.

◆ Test items

- **Tumor**
  CEA, AFP, PSA, f-PSA, Cyfra21-1, CA125, CA19-9, PG I/II, Ferritin, Transferrin
- **Hormone**
  β-HCG, LH, FSH, PRL, Testosterone, Progesterone, AMH, TSH, T3, T4, 25-OH Vitamin D, Cortisol
- **Diabetes**
  HbA1c, Insulin, C-Peptide, MAU, CYS-C
- **Infection**
  PCT, CRP, SAA
- **Cardiac**
  cTnI, MYO, CK-MB, NT-proBNP, D-Dimer

◆ Technique Principle



◆ Advantages

- POCT (Point-of-care testing)
- Room temperature shipping and storage
- Full platform, multiple parameters
- Inner and independent quality control
- One-step rapid test



fluorecare® MF-T1000

Immunofluorescence Analyzer

- **No specialized facilities or personnel needed.**

  Unlike traditional workstation, fluorecare POCT platform does not require specialized facilities. Easy to learn, easy to use.

- **Automatic calibration and comprehensive parameters.**

  In-built automatic calibration saves time and maintains accuracy.

- **Intended use in community hospitals and primary clinics.**

  Include primary clinics, small laboratories, community hospitals, medical facilities in rural areas and emergency department in hospitals.

- **Abundant connectivity options.**

  4 USB ports, 1 LAN port, 1 LIS port and 1 PC connection port.

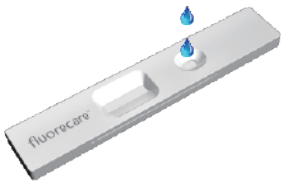
fluorecare® MF-C100

Temperature Control Instrument

- **Precise temperature control.**
- **Automatic timing function.**
- **A perfect match for fluorecare® MF-T1000 and test cassettes.**



Workflow



Step 1:
Apply sample to the strip.



Step 2:
Wait for certain minutes of reaction.
(Refering to instruction)



Step 3:
Insert the test strip.



Step 4:
Click "test". Results will be displayed on the screen.



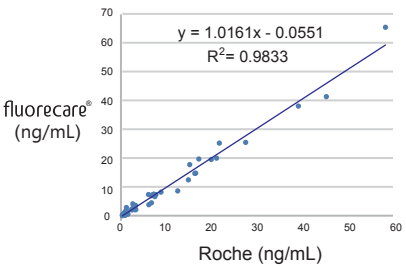
Step 5:
Results can be printed by in-built printer or exported by various output options.



Step 6:
Dispose the strip as biohazard waste and text next sample.

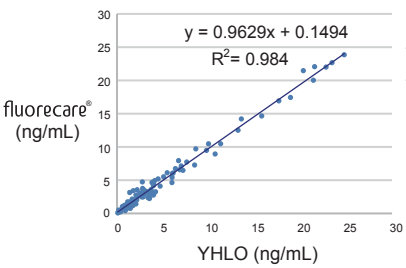
High consistence of fluorecare® Immunofluorescence Quantitative Platform with leading product manufacturer.

fluorecare® peformance on **PSA**



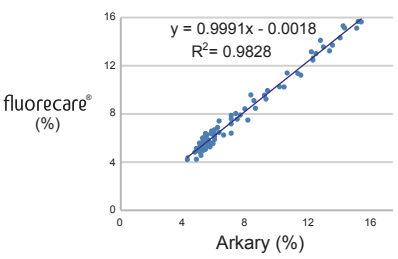
Test range: 0.2-60 ng/mL
Test time: 15 min
Sample Type: Serum/Plasma
Precision: CV < 10%

fluorecare® peformance on **AMH**



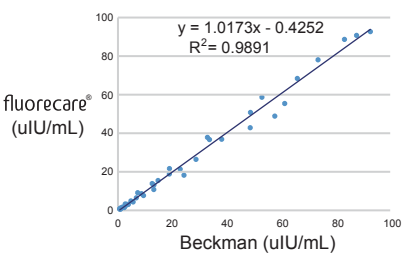
Test range: 0.1-25 ng/mL
Test time: 15 min
Sample Type: Serum/Plasma
Precision: CV < 10%

fluorecare® peformance on **HbA1c**



Test range: 4%-16%
Test time: 12 min
Sample Type: Whole blood
Precision: CV < 10%

fluorecare® peformance on **TSH**



Test range: 0.1-100 uIU/mL
Test time: 15 min
Sample Type: Serum/Plasma
Precision: CV < 10%

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Immunofluorescence Quantitative Platform

Product Class	Markers	Specimen	Reaction Time	Measuring Range	Qualification	Ongoing
Tumor	CEA	S/P	15 min	1-200 ng/ml	CE	
	AFP	S/P	15 min	2-300 ng/ml	CE	
	PSA	S/P	15 min	0.2-60 ng/ml		
	f-PSA	S/P	15 min	0.1-25 ng/ml		
	Cyfra21-1	S/P	15 min	1-200 ng/ml	CE	
	CA125	S/P	15 min	1-500 U/ml	CE	
	CA19-9	S/P	15 min	5-300 U/ml	CE	
	CA15-3	S/P	15 min	1-300 U/ml	CE	▲
	PG I/II	S/P	10 min	PG I: 2-800 ng/ml/PG II: 1-100 ng/ml	CE	
	Ferritin	S/P	15 min	10-1000 ng/ml	CE	
	Transferrin	S/P	15 min	0.25-5 g/L	CE	
	Pro-GRP	S/P	15 min	4-500 pg/ml	CE	▲
	HE-4	S/P	15 min	50-1500 pmol/ml	CE	▲
	NSE	S/P	15 min	1-200 ng/ml	CE	▲
	SCCA	S/P	15 min	0.3-100 ng/ml	CE	▲
Hormone	β-HCG	S/P	15 min	5-200000 mIU/ml	CE	
	LH	S/P	15 min	1-100 mIU/ml	CE	
	FSH	S/P	15 min	1-100 mIU/ml	CE	
	PRL	S/P	15 min	1-100 ng/ml	CE	
	Testosterone	S/P	15 min	0.1-15 ng/ml	CE	
	Progesterone	S/P	15 min	0.8-40 ng/ml	CE	
	AMH	S/P	15 min	0.1-25 ng/ml	CE	
	TSH	S/P	15 min	0.1-100 uIU/ml	CE	
	T3	S/P	10 min	0.5-12 nmol/L	CE	
	T4	S/P	10 min	10-300 nmol/L	CE	
	fT3	S/P	15 min	1-50 pmol/ml	CE	▲
	fT4	S/P	10 min	3-77 pmol/L	CE	▲
	25-OH Vitamin D	S/P	10 min	3-100 ng/ml	CE	
	Cortisol	S/P	15 min	0.5-75 μg/dL	CE	
Diabetes	HbA1c	WB	12 min	4%-16%	CE	
	Insulin	S/P	15 min	2-300 mIU/L	CE	
	C-Peptide	S/P	15 min	0.1-30 ng/ml	CE	
	MAU	Urine	15 min	5-200 mg/L	CE	
	CYS-C	S/P	3 min	0.1-8 mg/L	CE	
Infection	PCT	S/P	15 min	0.1-50 ng/ml	CE	
	CRP	S/P/WB	3 min	0.5-150 mg/L	CE	
	SAA	S/P	5 min	5-150 mg/L	CE	
Cardiac	cTnI	S/P	15 min	0.1-50 ng/ml	CE	
	MYO	S/P	15 min	1-500 ng/ml	CE	
	CK-MB	S/P	15 min	1-80 ng/ml	CE	
	NT-proBNP	S/P	15 min	100-30000 pg/ml	CE	
	D-Dimer	S/P	10 min	0.1-10 mg/L	CE	

▲ Under development

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fluorecare®, creating a **NEW** impact on point-of-care testing.

Microprofit Biotech Authorized Distributor

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IVD CE ISO 13485