

ACCURATURE



Rapid test of food safety

Shanghai Accurature Diagnostics Co., Ltd.

A leading company of food safety testing industry



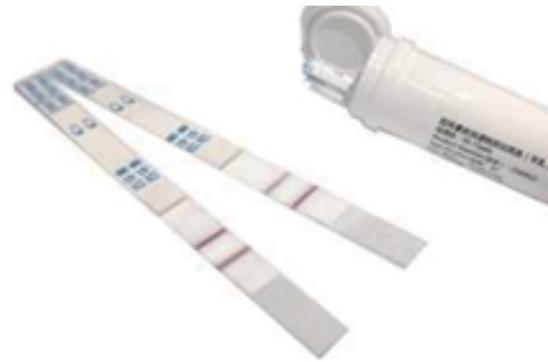
Building 1, No.168, Banqiao East Road Shanyang Town, Jinshan District, Shanghai.

Tel: 86-021-64338133

Info: info@accurature.com

Mycotoxin rapid test solution

Fluorescent Immunoassay testing cards



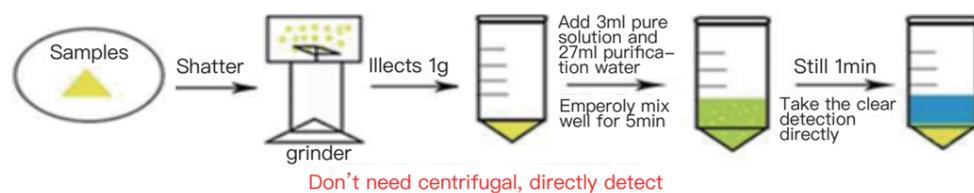
Fluorescence immunochromatography not only retains the advantages of easy operation and rapid of colloidal gold method, but also realizes quantification with high-sensitive fluorescence technology.

Advantages

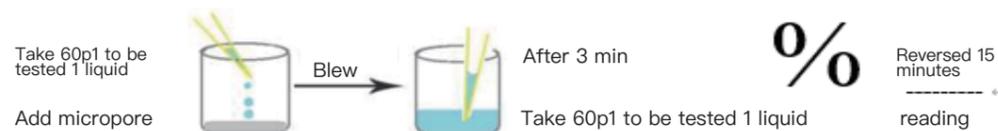
1. Non-toxic and harmless extraction reagent, methanol/ethanol & other organic solvents free.
2. Three-in-one pretreatment, including Aflatoxins B1(AFB1)/Vomitoxin/Zearalenone.
3. Easy operation, no need to dilution, centrifugation and other operations, one step extraction only before analysis.
4. Same pretreatment procedure with diverse samples category, eg. corn, feed, bran etc.
5. Accurate and reliable results, consistent with the LC method.

Fluorescent Immunoassay testing cards

Steps : ←



Sample treatment



Detection process



Dry fluorescence reader F1000

The most advanced fluorescence platform



Dry fluorescence reader F1000

Time resolved fluorescent Immunoassay

- *Compact and portable, Touch screen operation, simple and practical
- *Single testing channel, ready to use, 10 seconds analysis time, testing card *auto-abandoned after analysis complete
- *built-in thermal printer, result auto-printed
- *ID chip for test parameters reading
- *Time resolved fluorescent Immunoassay, strong anti-interference capability
- *Superior testing stability

Instrument parameters

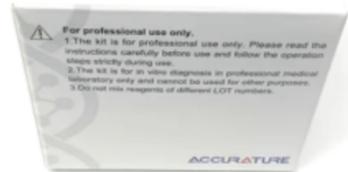
- Software version: Version 1
- * Operation system: Linux
- Excitation light source: LED or diode laser
- * Instrument port: USB port*4, Ethernet Port*1, double serial ports (Port1: LIS system, port2: PC)
- * Display: 7 "24-bit true color LCD screen
- Specimen: Grain, feed, nuts, oil, etc
- Power supply: Instrument input DC 12V SA, adaptor input: 100-240vac; 50/60Hz
- Standard curve: Standalone calibration, revision
- * Storage mode: 4k Volume ID card
- * Matching mode: 4 modes (Linear fitting/ Piecewise polynomial fitting/ MMF four-parameter growth model fitting/ Quadratic spline fitting)
- * Application operation: one-step operation--the reagent card holder automatically extends after the power is turned on. The user inserts the reacted reagent card into the holder without performing other operations. The machine automatically recognizes the reagent card type, automatically completes the test, and completes the test. Results are automatically uploaded to the LIS system, reports are printed, and waste cards are thrown out from the side of the machine.

Grain testing products

Item	Specification	Specimen	Detection limit
Aflatoxin B1 Fluorescent Immunoassay cards	20T	Grain/ Feed etc	3-100ppb
Zearalenone Fluorescent Immunoassay cards	20T	Grain/ Feed etc	50-500ppb
Vomitoxin Fluorescent Immunoassay cards	20T	Grain/ Feed etc	100-6000ppb
Heavy metal-lead rapid test (Colloidal gold)	20T	Grain/ Feed etc	100ppb
Heavy metal-lead rapid test (Fluorescent Immunoassay)	20T	Grain/ Feed etc	100ppb
Heavy metal-cadmium rapid test (Colloidal gold)	20T	Grain/ Feed etc	5ppb
Heavy metal-cadmium rapid test (Fluorescent Immunoassay)	20T	Grain/ Feed etc	5ppb
Heavy metal-mercury rapid test (Colloidal gold)	20T	Grain/ Feed etc	1ppb
Heavy metal-mercury rapid test (Fluorescent Immunoassay)	20T	Grain/ Feed etc	1ppb
Pesticide residue (Enzymatic inhibition)	100T	Grain/ Vegetable/ Fruit etc	0.1-3.5mg/kg

Dairy products colloidal gold testing strips

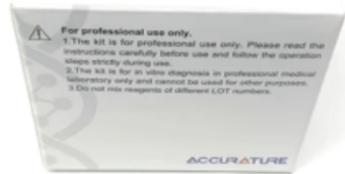
Product introduction



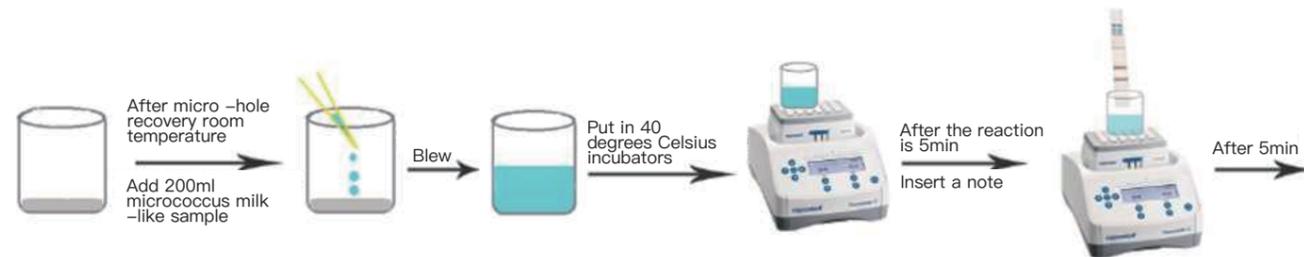
Colloidal gold rapid testing strips are used for rapid test of Aflatoxin M1, Antibiotics and illegal additives in various of dairy products on site. The advantages are as below:

- 1) High sensitivity
- 2) Ease of operation
- 3) Fast speed of analysis
- 4) Superior testing stability
- 5) various testing items for dairy products

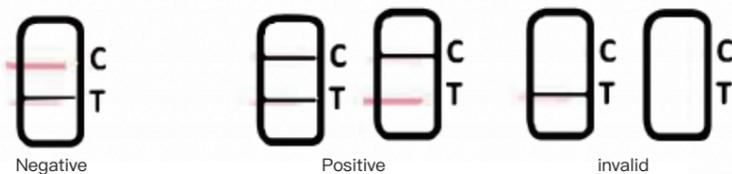
Product display



Detection process



Measure to judge



Category	Item	Specification	Specimen	Detection limit	
Toxins & Antibiotics	Aflatoxin M1 Rapid test strips	96T (8 strips/barrel, 12 barrels/carton)	raw milk/powdered milk	0.05-0.3ppb	
	Chloramphenicol Rapid test strips	96T (8 strips/barrel, 12 barrels/carton)	raw milk/powdered milk	0.1ppb	
	Sulfonamides Rapid test strips	96T (8 strips/barrel, 12 barrels/carton)	raw milk/powdered milk/pure milk	1-5ppb	
	Quinolones Rapid test strips	96T (8 strips/barrel, 12 barrels/carton)	raw milk/powdered milk/pure milk	0.8-1.5ppb	
	Tetracycline Rapid test strips	96T (8 strips/barrel, 12 barrels/carton)	raw milk/powdered milk	10ppb	
	Gentamicin Rapid test strips	96T (8 strips/barrel, 12 barrels/carton)	raw milk/powdered milk/pure milk	2ppb	
	Streptomycin Rapid test strips	96T (8 strips/barrel, 12 barrels/carton)	raw milk/powdered milk/pure milk	3ppb	
	Erythrocin Rapid test strips	96T (8 strips/barrel, 12 barrels/carton)	raw milk/powdered milk	10ppb	
	Benzoic acid Rapid test strips	96T (8 strips/barrel, 12 barrels/carton)	raw milk/powdered milk	3ppb	
	Lincomycin Rapid test strips	96T (8 strips/barrel, 12 barrels/carton)	raw milk/powdered milk	3ppb	
	Kanamycin Rapid test strips	96T (8 strips/barrel, 12 barrels/carton)	raw milk/powdered milk	3ppb	
	Dexamethasone Rapid test strips	96T (8 strips/barrel, 12 barrels/carton)	raw milk	0.2ppb	
	Spectinomycin Rapid test strips	96T (8 strips/barrel, 12 barrels/carton)	raw milk/powdered milk	10ppb	
	Thiamphenicol Rapid test strips	96T (8 strips/barrel, 12 barrels/carton)	raw milk	5ppb	
	Tilmicosin Rapid test strips	96T (8 strips/barrel, 12 barrels/carton)	raw milk/powdered milk	1ppb	
	β-lactam Rapid test strips	Florfenicol Rapid test strips	96T (8 strips/barrel, 12 barrels/carton)	raw milk	0.1ppb
		Penicillin Rapid test strips	96T (8 strips/barrel, 12 barrels/carton)	raw milk/powdered milk	4ppb
Estradiol Rapid test strips		96T (8 strips/barrel, 12 barrels/carton)	raw milk/powdered milk	1ppb	
PenicillinG- 2ppb					
Amoxicillin- 2-4ppb					
Ampicillin- 2-4ppb					
Cloxacillin-4-6ppb					
Nafcillin-5-10ppb					
Oxacillin- 5-10ppb					
Cefoperazone- 4-6ppb					
Cefapirin- 4-8ppb					
Cefquinome- 5-10ppb					
Cefazolin- 30-50ppb					
Ceftiofur- 50-100ppb					
β-lactamase Rapid test strips	96T (8 strips/barrel, 12 barrels/carton)	raw milk/powdered milk	1-2U		
Illegal additive & hormone	Tripolycyanamide Rapid test cards	50 tests/box	raw milk/powdered milk/pure milk/feed	50ppb/1ppm	
	Clenbuterol hydrochloride Rapid test cards	50 tests/box	urine/tissue/serum/feed	3ppb/50ppb	
	Ractopamine Rapid test cards	50 tests/box	urine/tissue/serum/feed	3ppb/50ppb	
	Salbutamol Rapid test cards	50 tests/box	urine/tissue/serum/feed	3ppb/50ppb	
Microorganism	Staphylococcus aureus Rapid test cards	50 tests/box	food/dairy	10 ⁴	
	Escherichia coli 0157 Rapid test cards	50 tests/box	food/dairy	10 ⁴	
	Salmonella Rapid test cards	50 tests/box	food/dairy	10 ⁴	

Multifunctional ELISA Microplate Reader E2000

Features

True color LCD large screen display, English operation system;
 8 channels Laser fiber optic measuring system, detection of 96 wells within 5 seconds;
 With the system self-check and diagnosis system, the optical path and other components can be self-check;
 Energy saving design for light source with automatic switch, maximize the life of light source;
 Vibration function for the microplate, vibration speed can be customized;
 Single/dual-wavelength automatic reading, absorbance/ qualitative analysis/ quantitative analysis/ Enzyme Kinetics detection method;
 Standalone computing method: Straight line fitting/ Four parameter fitting/ Semilogarithm fitting/ Full log fitting/ Spline fitting/ Index fitting;
 Upper computer computing method: Endpoint method,/ Dynamics,/ Straight line fitting/ Four parameter fitting/ Semilogarithm fitting/ Full log fitting/ Spline fitting/ Index fitting;
 Quality control function, automatically offering the output interface of standard data based on 31-days-QC, average X, SD and CV without additional PC, serves as the data transmission and processing.



Parameters

Wavelength: 300–800nm; 340–750nm (ultraviolet optional)
Optical filter: 405nm, 450nm, 490nm, 630nm; Up to 10 filters can be configured simultaneously at the range of 300–800nm
Detection range: 0–3.00D
Accuracy: 0–2.00D: ±1%@405nm
Linear: 0–2.00D: ±1%@405nm; 2.0–3.00D: 3%@405nm
Repeatability: 0–2.00D: ±0.5%, ±0.0050D
Wavelength: Optical filter (5 positions filter wheel)
Port: RS232 Two-way communication interface, USB port
Supply voltage: 220* (12%) HZ:100VA



Microplate Washer W2000

Features

True color LCD large screen display, English operation system;
 Multiple wash protocols, meet different experimental needs;
 Double pump rinse technology, reducing cross contamination in the liquid path;
 Auto-pipeline rinsing function, reducing the clogging caused by solution crystallization during use;
 Anti-overflow function, overflow position adjustable, with deep rinsing and time adjustable.



Parameters

Used for general ELISA microplate/filter plate/magnetic plate (based on microsphere analysis) cleansing;
 SBS-conforming 96; flat, U-, or V-bottom plates;
 Shacking and strength adjustable, up to 60 minutes maximum soaking time;
 liquid separation range: 25μL–3000μL stepping;
 Flow velocity>7 rank optional; Precision≤3%CV Residual volume<3uL;
 automatic switch with 3 kinds of solutions;
 Storage: 100 sets;
 Power supply: 220* (1±10%) V, 50* (1±2%) HZ.



Pretreatment all-in-one kit



Number	Item	Quantity
1	Pipette (100–1000μL)	1
2	Pipette (20–200μL)	1
3	Grinder	1
4	Mini Centrifuge	1
5	Vortex oscillation mixer	1
6	Electronic scale	1
7	Medicine spoon	1
8	Scissor	1
9	Centrifuge tube (1.5ml)	20
10	Centrifuge tube (10ml)	20
11	Pipette tip (1ml)	20
12	Pipette tip (200μL)	50
13	Litter bag	10