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# ACCURATURE



## Rapid test of food safety

Shanghai Accurature Diagnostics Co., Ltd.

A leading company of food safety testing industry





# Mycotoxin rapid test solution

## Fluorescent Immunoassay testing cards



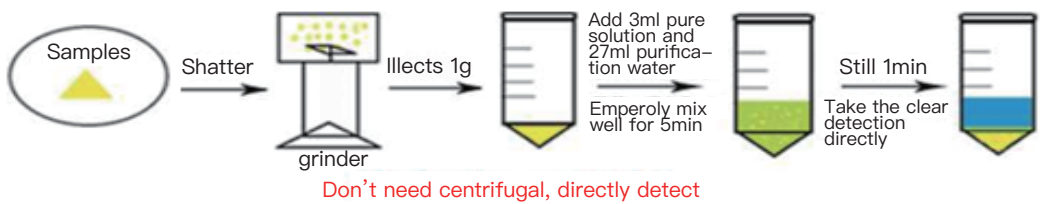
Fluorescence immunochromatography not only retains the advantages of easy operation and rapid of colloidal gold method, but also realizes quantification with high-sensitive fluorescence technology.

### Advantages

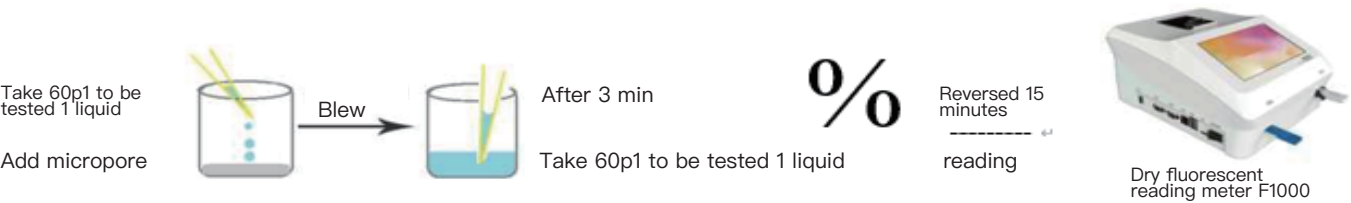
- 1. Non-toxic and harmless extraction reagent, methanol/ ethanol& other organic solvents free.
- 2. Three-in-one pretreatment, Including Aflatoxins B1(AFB1)/Vomitoxin/Zearalenone.
- 3. Easy operation, no need to dilution, centrifugation and other operations, one step extraction only before analysis.
- 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

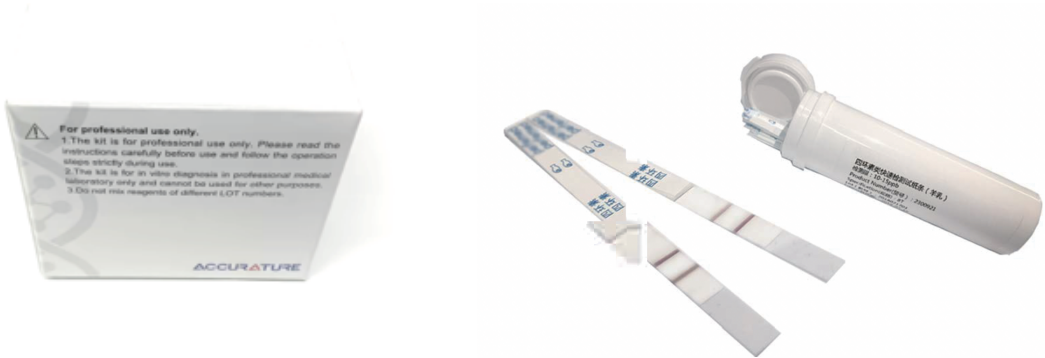
## Product introduction



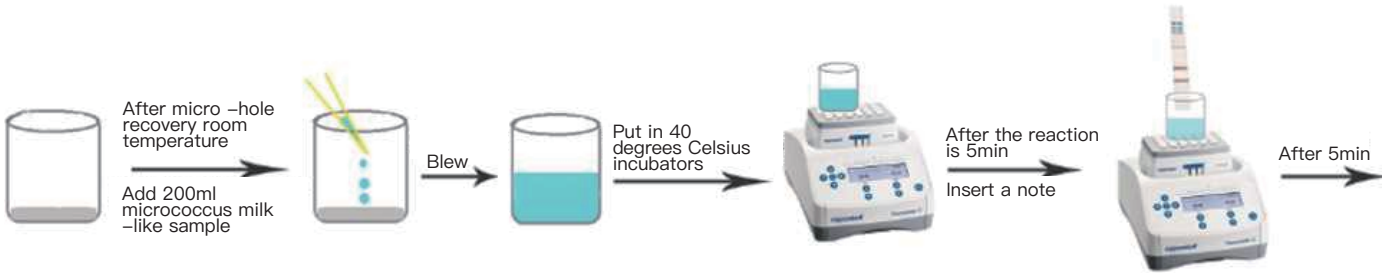
Colloidal gold rapid testing strips are used for rapid test of Aflatoxin M1, Antibiotics and illegal additives in various of dairy products on site. The advantages are as below:

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

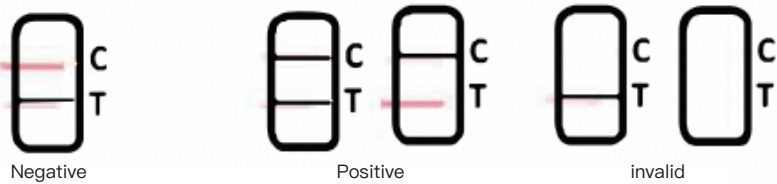
## Product display



## 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
	Erythrocine 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
	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
	β-lactam Rapid test strips	96T (8 strips/barrel, 12 barrels/carton)	raw milk/powdered milk	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 <sup>4</sup>
	Escherichia coli 0157 Rapid test cards	50 tests/box	food/dairy	10 <sup>4</sup>
	Salmonella Rapid test cards	50 tests/box	food/dairy	10 <sup>4</sup>

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

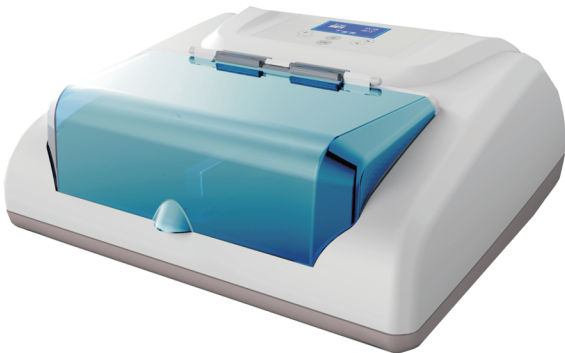
**Wavelength:** 300–800nm; 340–750nm (ultraviolet optional)  
**Optical filter:** 405nm, 450nm, 490nm, 630nm; Up to 10 filters can be configured simultaneously at the range of 300–800nm  
**Detection range:** 0–3.00D  
**Accuracy:** 0–2.00D: ±1%@405nm  
**Linear:** 0–2.00D: ±1%@405nm; 2.0–3.00D: 3%@405nm  
**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