

BALLYA



LATERAL FLOW PRODUCT CATALOGUE



Founded in 2007, Guangzhou Ballya Bio-Med Co., Ltd is a high-tech enterprise dedicated to developing, manufacturing and selling rapid test kits for food safety, animal diseases and microbial. Our test kits are widely used in dairy products, feeds, grains, honeys, meats, aquatic products and animal diseases etc.

At the beginning, Ballya was specialized in medical equipment and test strips. We were the first company to start the business of milk antibiotic rapid test kits in China. As a customer-oriented and market-oriented company, Ballya focuses on developing new products by technical innovation and breakthrough based on colloidal gold immunochromatography technology. Our quality system is gradually in line with international standards after development for more than 10 years, we passed the inspection by Milk Test NZ in New Zealand and that by ILVO in Belgium, and obtained CE Certificate, GOST Certificate and ISO9001 Certificate etc. step by step.

Ballya fulfills the demand of our clients and target markets by customizing products and providing competitive prices. Our products have been commercialized and recognized by our clients in more than 40 countries meeting people's demand on food safety and protecting the food supply chain from farm to table.

Today, rehousing in its owned modern office building and production base, Ballya has become a high-tech manufacturer with more than 50 employees and has a production capacity of 15,000 boxes/month.

With the spirit of "We are the innovator", Ballya will keep progressing in biotechnology industry, establish a GMP workshop, increase R&D efforts and expand more high-quality products in the future.

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Antibiotic Rapid Test

Antibiotics used for animal treatment, such as β -lactams and tetracyclines, are likely to remain in meat, eggs, dairy and other agricultural products to enter the market, and then sent to the consumer table. Excessive intake of antibiotics will seriously damage the function of human body, produce the allergic reaction and drug resistance. Therefore, many countries have established standards for regulating food safety.

Dairy Antibiotic Rapid Test

Dairy antibiotic rapid test strip includes 4 series, which are single test, 2 in 1, 3 in 1, and 4 in 1 kits and cover a total about 100 kinds of substances from 10 families.

| Specification |

- **Technology:** Lateral Flow
- **Detection:** Antibiotics
- **Test Specimen:** Raw milk/milk powder/pasteurized milk
- **Milk Required:** Cow/Goat milk
- **Fat Content:** 2.5% - 4%
- **Test Time:** Within 10mins
- **Results Interpretation:**
Visual result (colorimetry or line-appearing method)
- **Product Component:** Test strips & micro well reagents
- **Quantity:** 96 tests/box
- **Gross Weight:** 0.3kg/box
- **Box Dimension:** 190×135×65mm
- **Storage:** 2-8°C, out of sun light and moisture, no need to freeze
- **Standard:** Meet EU MRL



| Benefits |

- | | | | |
|--|---|--|---|
|  Multiple-Detecting |  Rapid Detection |  High Sensitivity |  Easy Interpretation |
|  Compatible |  Consistency |  User-Friendly |  Easy-Carry |

FOOD SAFETY

| Single Test |

NO.	Product	MRL(µg/kg)	Test Time(Minutes)
A10001	Beta-Lactams Rapid Test Strip	More Results Refer To User Manual	3+5
A10004	Sulfonamides Rapid Test Strip	More Results Refer To User Manual	3+5
A10005	Lincomycin Rapid Test Strip	2-4	3+5
A10010	Tetracyclines Rapid Test Strip	4-6	3+5
A10011	Gentamicin Rapid Test Strip	2-3	3+5
A10016	Fluoroquinolones Rapid Test Strip	More Results Refer To User Manual	3+5
A10020	Streptomycin Rapid Test Strip	50	3+5

| Multiple-Detecting |

NO.	Product	MRL(µg/kg)	Test Time(Minutes)
A20001	Beta-Lactams + Tetracyclines Rapid Test Strip	Penicillin G 2-4 More Results Refer To User Manual	5+5
A20001R	Beta-Lactams + Tetracyclines Rapid Test Strip	Penicillin G 2-4 More Results Refer To User Manual	5+5
A20003R	Beta-Lactams+ Aflatoxin M1 Rapid Test Strip	Aflatoxin M1 0.05 More Results Refer To User Manual	5+5
A22041R	Beta-Lactams + Tetracyclines Rapid Test Strip	Penicillin G 1-1.5 Tetracyclines 5-8 More Results Refer To User Manual	3+7
A30001R	Beta-Lactams + Tetracyclines + Sulfonamides Rapid Test Strip	Tetracyclines 100 More Results Refer To User Manual	3+5
A30004R	Beta-Lactams + Tetracyclines + Cefalexin Rapid Test Strip	Cefalexin 20 More Results Refer To User Manual	3+5
A40001R	Beta-Lactams + Tetracyclines + Streptomycin + Chloramphenicol Rapid Test Strip	Penicillin G 1-1.5 Tetracycline 6-8 More Results Refer To User Manual	3+7
A40002R	Quinolones + Macrolides + Lincomycin + Erythromycin Rapid Test Strip	Lincomycin 1-2 Erythromycin 3-5 More Results Refer To User Manual	3+7
A40003R	Neomycin + Kanamycine + Streptomycin + Gentamicin Rapid Test Strip	Neomycin 15-18 Kanamycine 3-5 Gentamicin 8-10 Streptomycin 30-50	3+7
A40004R	Beta-Lactams + Tetracyclines + Sulfonamides+ Fluoroquinolones Rapid Test Strip	Enrofloxacin 2-3 Penicillin G 2-4 More Results Refer To User Manual	3+7
A40005	Melamine + Beta-Lactams + Tetracyclines + Cefalexin Rapid Test Strip	Tetracyclines 6-8 More Results Refer To User Manual	3+7



Mycotoxins Rapid Test

Mycotoxins, the toxic metabolite from fungi in the polluted food, have strong toxicity and carcinogenic power to damage physical function and liver, kidney, nerve tissue.

Actually, we can find Mycotoxins such as Aflatoxin and Fumonisin toxins in nearly all kinds of improperly stored agricultures, from cereal, feed, to fruit and milk ect. Ballya mycotoxin rapid test kit helps the food processing enterprises and testing institutions screen the contaminants to better control risks.



| Benefits |

- | | | |
|---|---|--|
| <input checked="" type="checkbox"/> Lateral Flow Technology | <input checked="" type="checkbox"/> Simple pre-processing | <input checked="" type="checkbox"/> Result within 10mins |
| <input checked="" type="checkbox"/> Easy interpretation | <input checked="" type="checkbox"/> User-Friendly | |

NO.	Product	MRL	Specimen	Quantity
A10006R	Aflatoxin M1 Rapid Test Strip	0.05ppb	Raw milk/milk powder	96T/box
A11006	Aflatoxin M1 Rapid Test Strip	0.5ppb	Raw milk/milk powder	96T/box
T19016	Aflatoxin B1 Rapid Test Strip	5 ppb	Grain/Feed	96T/box
T19022	Melamine Rapid Test Kit	1 ppm	Grain/Feed	96T/box



Adulteration Rapid Test

Kinds of illegal additives will seriously affect the quality of milk and cause serious human diseases. The dairy adulteration rapid test kit is based on colloidal gold technology to detect goat milk adulteration, melamine adulteration, and the lactamase from Beta-Lactams treatment.

Specification

- **Technology:** Lateral Flow
- **Detection:** Adulteration
- **Test Specimen:** Raw milk/milk powder
- **Test Time:** Within/10mins
- **Results Interpretation:**
Visual result (colorimetry or line-appearing method)
- **Product Component:** Test strips & micro well reagents
- **Quantity:** 96 tests/box
- **Gross Weight:** 0.3kg/box
- **Box Dimension:** 90×135×65mm
- **Storage:** 2-8°C, out of sun light and moisture, no need to freeze
- **Standard:** Meet EU MRL



NO.	Product	MRL	Specimen	Quantity
G10001	Goat Milk Adulteration Rapid Test Strip	0.2%	Raw milk/Milk powder/Whey	96T/box
A10017	Melamine Rapid Test Strip	30-50ppb	Raw milk/Milk powder	96T/box
A10021	Lactamase Rapid Test Strip	1-2u/ml	Raw milk	96T/box

Consumables & Instruments

Pipette

This Mini pipette can perfect match Bally Test Kit Products. The 200ul capacity is suitable for most of the specimen adding

| Specification |

- **Model NO.:** P-200ul
- **Capacity:** 200ul
- **Precision:** $\leq 0.5\%$
- **Accuracy:** $\pm 0.5\%$
- **Dimension:** 130x30x20mm
- **Tips Dimension:** 5.5x60mm



Colloid Gold Readersensor

Colloid gold readersensor, is an immunofluorescence detection device that based on photoelectric detection principle, and also can print the result at real time. It covers a wide range of drugs residues detection, antibiotics residues detection, and Mycotoxin residues detection.

| Specification |

- **Model NO.:** BA-2S
- **Input Voltage:** AC220V/50Hz
- **Power Consumption:** 36W
- **Test Time:** <8s
- **Accuracy:** CV $\leq 3.5\%$
- **System:** Microsoft Windows XP, Windows 7, Microsoft Excel 2007 or later versions
- **RAM:** 1.0GB
- **Display:** 3.5 inches of touch panel
- **Interface:** USB, RS232
- **Weight:** 1.5kg
- **Dimension:** 173x210x75.8mm



Mini Dry Metal Bath Incubator

BALLYA-MINIT, a mini dry metal bath incubator with PID fuzzy control technology, has excellent temperature controlling and convenience size, so many departments are willing to choose this device in detecting procedure.

Specification

- **Model NO.:** MINIT
- **Input Voltage:** DC24V
- **Power Consumption:** 40W
- **Temp. Control Range:** 0°C~100°C
- **Temp. Accuracy:** $\leq \pm 0.3^{\circ}\text{C}$
- **Heating Time:** $\leq 20\text{mins}$ (40°C -100°C)
- **Timing Range:** 1 minute ~ 99 hours
- **Record Function:** Auto save when power off
- **Protective Cover:** Transparent
- **Weight:** 0.5kg
- **Dimension:** 145×113×110mm
- **Standard:** CE



Well-Tray

Specification

- Model NO.:** RK0812
Quantity: 96 tests/pc
Dimension: 125x14x85mm



Dropper

Specification

- Model NO.:** PU200/PU300
Capacity: 200ul/300ul



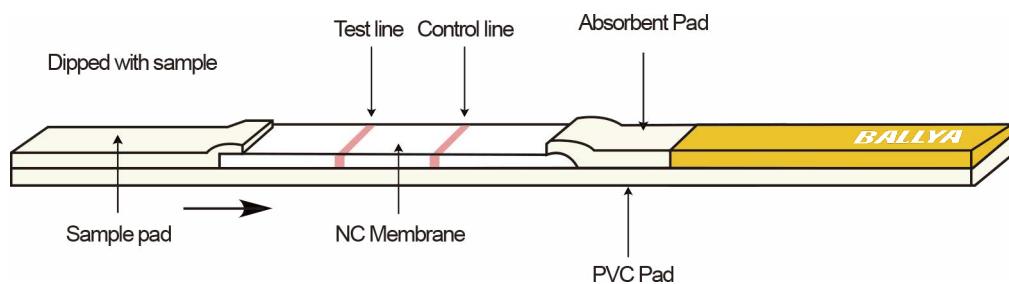
Colloidal Gold Immunochromatography Principle

Colloidal gold test strip has a widely use in food safety detection, as it has high advantage in testing operation. Colloidal gold immunochromatography is a new immunolabelling technique based on the colloidal labeling of antibody and antigen to track targets substance. The NC membrane on the test strip was streaked with specificity antibody and antigen, therefore, when the test sample was adding on the sample pad, the liquid will slowly flow across the test line to the other end of test strip by the capillarity of absorbent pad, then combine with the colloid gold and the labelling colloidal gold also has color change. By ensuring the test results for rapid test, the colloidal gold test strip works exclusive to do the screening test in food safety industry.

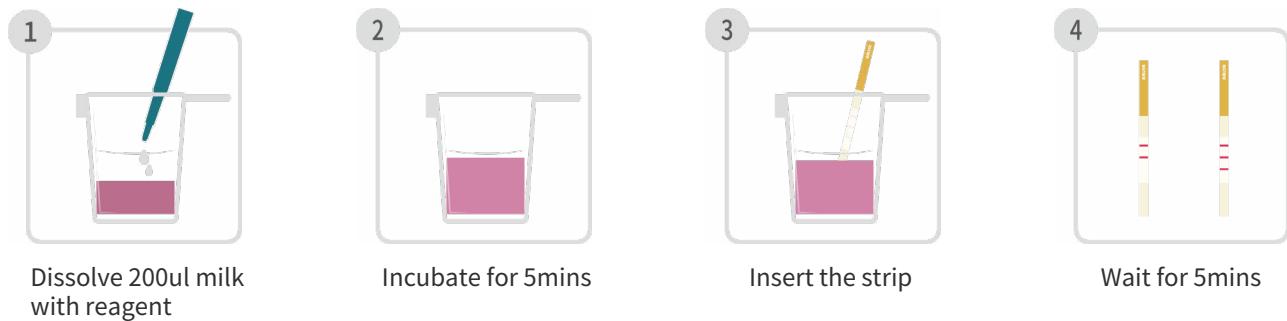
| Advantages |

- High sensitivity
- specificity
- Strong stability
- anti-interference ability

| Test Strip Components |



| Test Procedures(Take NO. A20001 as an example) |



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