

# NKBIO

From farm to fork , We follow the supply chain all the way!



# Company Introduction

## About NKBIO

Established in 2005, Nankai Biotech have been focusing on developing and manufacturing Rapid Test Kits for Food Safety based upon GICA technologies.

With more than 2000 square meter R&D and production bases, we have a maturing platform for GICA technology from raw material to finished products, we do antigen synthesis , antibody production and purification, and GICA rapid test reagents development all by ourselves.

We also have undertaken a series of sci-tech projects for chinese government, and have participated in drafting rules and regulations for making food safety test standard for our government.

## Our Products

Our rapid test kits can detect the residues of antibiotics, veterinary drugs, beta-agonist and pesticide in the foods, It only 3 mins for results, no professionals and equipment required (or very simple one), suitable for lab and field analysis.

They have covered the quality control area of honey, meat, livestock, seafood, eggs, feed, milk, dairy products, grain and oil , fruit and so on.

## Our QC System

ISO 9001: 2008 Quality Management system

## NKBIO Rapid Tests Benefits:

1. Only 3-5 min for results
2. Sensitivities respond to EU Norms
3. Single test for every target sample
4. Eyes Interpretation or quantitative measurement, suitable for lab and field analysis
5. Lowest set-up costs as no professionals and no equipment required (or simple one)
6. Stable when stored at room temperature
7. Safe : non-toxic and harmless

## Application:

1. Mass screening
2. Food quality control can be carried out by animal products whole sales market and subsidiary foodstuff whole sale market.
3. Import and export inspection and quarantine
4. Random inspection of raw material and half-finished product by animal products enterprises, dairy enterprises.
5. Market product quality inspection by industrial and commercial bureau.
6. Raw material quality control when mid-man purchases the animal products, honey.



## NKBIO Rapid Test Benefits (by comparison)

| Method                     | HPLC-MS/MS              | ELISA                             | GICA                           |
|----------------------------|-------------------------|-----------------------------------|--------------------------------|
| Detection Limits           | Depend on samples       | Lowest                            | Higher than ELISA              |
| Sample Treatment Time      | Long time               | Same as GICA                      | Same as ELISA                  |
| Assay Time                 | Several hours           | 1 hour                            | 3-5 mins                       |
| Special Equipment Required | HPLC-MS/MS or LC-MS/MS  | Microtiter Plate Reader Incubator | No Requirements, or simple one |
| Professionals Required     | Professionals           | Professionals                     | No Professionals               |
| Result Calculation         | Standard Curve Analysis | Standard Curve Analysis           | Naked-eye Observation          |
| Single Sample Test         | ✓                       | ×                                 | ✓                              |
| Multi-channel Test         | ×                       | ✓                                 | ✓                              |
| Storage                    | Room Temperature        | 2-8 °C                            | Room Temperature               |
| Safety                     | Hypertoxic              | Low toxicity, mordant             | nontoxic                       |
| Cost                       | Very High               | High                              | Low                            |

## Assay Procedure:

1


Prepare samples . Add three drops of them into the sample well, and then start the timer.

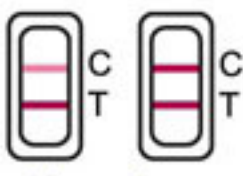
2


Antigen and the tracer antibody reacts in the membrane frontal zone and membrane zone

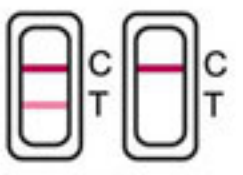
3


The liquid keeps walking and comes across the detection zone, a (or two) line will appear .


## Results of detection:



**Negative:**  
Two lines are visible and the color strength of the Test Line (T) is the same as or darker than the Control Line (C), this indicates that the concentration in sample is below the limits of detection.



**Positive:**  
Two lines are visible, but the color strength of the Test Line (T) is lighter than the Control Line (C), or there is no Test Line. This indicates that the concentration in sample is above the limits of detection.



**Invalid:**  
Control Line fails to appear. Insufficient specimen volume or incorrect procedural techniques are the most likely reasons for an invalid result. Review the procedure and repeat the test with a new test device. Stop using the test kit immediately if the problem is not solved and contact your local distributor.

## Pictures for R&D and production bases and brand :







# Quick Find Index...

|         |   |
|---------|---|
| 01 - 03 | Veterinary residues rapid test for livestock and poultry products |
| 04 - 05 | Veterinary residues rapid test for milk and dairy products        |
| 06 - 07 | Veterinary residues rapid test for seafood and fish products      |
| 08 - 09 | Veterinary residues rapid test for honey products                 |
| 10 - 11 | Additive & contaminants residues rapid test for feed              |
| 12 - 13 | Veterinary residues rapid test for eggs                           |
| 14 - 15 | Contaminants rapid test for grain and oil products                |

Made for speed, convenience & accuracy...





## Veterinary residues rapid test for livestock and poultry

### Application:

1. Mass screening
2. Quality control by livestock product processors
3. Market monitoring by commercial bureau, slaughterhouse, and veterinary station
4. Livestock product safety supervising by state export and import inspection and quarantine bureau

### Benefits:

1. Only 3-5 min for results
2. Sensitivities respond to EU Norms
3. Single test for every target sample
4. Eyes Interpretation or quantitative measurement, suitable for lab and field analysis
5. Lowest set-up costs as no professionals and no equipment required(or simple one)



## Veterinary residue rapid test for livestock and poultry

MRL from some main countries and areas:

\* MRL data from China: Ministry of Agriculture No.235 \* MRL data from EU: EU NO.508/1999/EC \* MRL data from USA: USA FDA

\* MRL data from Japan: JP Positive List System

| Product Name     | CHN MRL                                    | EU MRL                                     | US MRL      | JP MRL   |
|------------------|--|--|-------------|--|
| Clenbuterol      | Forbidden                                  | 0.1 ppb                                    | Forbidden   | Forbidden                                      |
| Ractopamine      | Forbidden                                  |  | 50 ppb      | 10 ppb   |
| Salbutamol       | Forbidden                                  |  |             |  |
| Chloramphenicol  | Forbidden                                  | Forbidden                                  | Forbidden   | Forbidden                                      |
| Nitrofurans      | Forbidden                                  | Forbidden                                  | Forbidden   | Forbidden                                      |
| Fluoroquinolones | CIP+ENR 100 ppb                            | CIP+ENR 100 ppb                            | ENR 300 ppb | 10-100 ppb                                     |
| Tetracyclines    | OTC / CTC /TC<br>(single/total)<br>100 ppb | OTC / CTC /TC<br>(single/total)<br>100 ppb | 2 ppm       | OTC / CTC /TC<br>(total) 20 ppb<br>DOXY 50 ppb |
| Sulfonamides     | 100 ppb                                    | 100 ppb                                    | 100 ppb     | 20-200 ppb                                     |
| Streptomycin     | 600 ppb                                    | 500 ppb                                    | 500 ppb     | 600 ppb  |
| Gentamycin       | 100 ppb                                    | 50 ppb                                     | 100 ppb     | 100 ppb  |
| Erythromycin     | 200 ppb                                    | 200 ppb                                    | 100 ppb     | 50 ppb   |
| Lincomycin       | 100 ppb                                    | 100 ppb                                    | 100 ppb     | 200 ppb  |
| Neomycin         | 500 ppb                                    | 500 ppb                                    | 720 ppb     | 500 ppb  |
| Olaquinox        | 4 ppb                                      |  |             |  |
| Tylosin          | 200 ppb                                    | 100 ppb                                    | 200 ppb     | 50 ppb   |
| Chanamyn         |  | 100 ppb                                    |             | 100 ppb  |

### NKBIO Rapid Test Kits Availability:

| Product Item | Product Name                              | Target Sample | Sensitivity (ppb) | Total Assay Time (including preparations) | Standard packing |
|--------------|---|---------------|-------------------|---|------------------|
| CLEN-X201U1  | Clenbuterol Residue Rapid Test Device     | Urine         | 3 ppb             | 3-5 min                                   | 40 /kit          |
| CLEN-X201U2  | Clenbuterol Residue Rapid Test Device     | Urine         | 5 ppb             | 3-5 min                                   | 40/kit           |
| CLEN-D201U3  | Clenbuterol Residue Rapid Test Device     | Urine         | 1 ppb             | 3-5 min                                   | 40/kit           |
| RAC-X201U2   | Ractopamine Residue Rapid Test Device     | Urine         | 5 ppb             | 3-5 min                                   | 40/kit           |
| RAC-D201U3   | Ractopamine Residue Rapid Test Device     | Urine         | 3 ppb             | 3-5 min                                   | 40/kit           |
| SAL-X201U1   | Salbutamol Residue Rapid Test Device      | Urine         | 5 ppb             | 3-5 min                                   | 40/kit           |
| SAL-D201U1   | Salbutamol Residue Rapid Test Device      | Urine         | 3 ppb             | 3-5 min                                   | 40/kit           |
| CLEN-D203P2  | Clenbuterol Residue Rapid Test Device     | Tissue        | 1 ppb             | 40 min                                    | 40/kit           |
| CLEN-D203P3  | Clenbuterol Residue Rapid Test Device     | Tissue        | 5 ppb             | 15 min                                    | 40/kit           |
| CLEN-D203P1  | Clenbuterol Residue Rapid Test Device     | Tissue        | 3 ppb             | 15 min                                    | 40/kit           |
| CLEN-X203P1  | Clenbuterol Residue Rapid Test Device     | Tissue        | 5 ppb             | 15 min                                    | 40/kit           |
| RAC-D203P2   | Ractopamine Residue Rapid Test Device     | Tissue        | 1 ppb             | 30 min                                    | 40/kit           |
| RAC-D203P6   | Ractopamine Residue Rapid Test Device     | Tissue        | 5 ppb             | 25 min                                    | 40/kit           |
| RAC-D203P4   | Ractopamine Residue Rapid Test Device     | Tissue        | 10 ppb            | 15 min                                    | 40/kit           |
| SAL-D203P1   | Salbutamol Residue Rapid Test Device      | Tissue        | 2 ppb             | 40 min                                    | 40/kit           |
| SAL-D203P2   | Salbutamol Residue Rapid Test Device      | Tissue        | 5 ppb             | 15 min                                    | 40/kit           |
| CAP-D203P1   | Chloramphenicol Residue Rapid Test Device | Tissue        | 0.1 ppb           | 30 min                                    | 40/kit           |
| CAP-D203P3   | Chloramphenicol Residue Rapid Test Device | Tissue        | 0.3 ppb           | 30 min                                    | 40/kit           |
| TCs-D203P1   | Tetracyclines Residue Rapid Test Device   | Tissue        | 10 ppb            | 20 min                                    | 40/kit           |
| TCs-D203P2   | Tetracyclines Residue Rapid Test Device   | Tissue        | 100 ppb           | 20 min                                    | 40/kit           |



## Veterinary residue rapid test for livestock and poultry

### NKBIO Rapid Test Kits Availability:

| Product Item | Product Name                                      | Sample | Sensitivity (ppb) | Total Assay Time (including preparations) | Standard packing |
|--------------|---|--------|-------------------|---|------------------|
| SAs-D203P1   | Sulfonamides Residue Rapid Test Device            | Tissue | 4 ppb             | 25 min                                    | 40 /kit          |
| SAs-D203P3   | Sulfonamides Residue Rapid Test Device            | Tissue | 50 ppb            | 10 min                                    | 40/kit           |
| FQNs-D203P3  | Fluoroquinolones Residue Rapid Test Device        | Tissue | 10 ppb            | 30 min                                    | 40/kit           |
| STR-D203P1   | Streptomycin Residue Rapid Test Device            | Tissue | 100 ppb           | 10-20 min                                 | 40/kit           |
| STR-D203P3   | Streptomycin Residue Rapid Test Device            | Tissue | 10 ppb            | 30 min                                    | 40/kit           |
| GEN-D203P1   | Gentamicin Residue Rapid Test Device              | Tissue | 50 ppb            | 15-20 min                                 | 40/kit           |
| SEM-D203P2   | Furacilin Metabolite Residue Rapid Test Device    | Tissue | 1 ppb             | 120 min                                   | 40/kit           |
| AHD-D203P2   | Furadantin Metabolite Residue Rapid Test Device   | Tissue | 1 ppb             | 120 min                                   | 40/kit           |
| AOZ-D203P2   | Furazolidone Metabolite Residue Rapid Test Device | Tissue | 0.5 ppb           | 120 min                                   | 40/kit           |
| AMOX-D203P2  | Furaltadone Metabolite Residue Rapid Test Device  | Tissue | 1 ppb             | 120 min                                   | 40/kit           |
| KAN-D203P1   | Kanamycin Residue Rapid Test Device               | Tissue | 50 ppb            | 20 min                                    | 40/kit           |
| ERY-D203P1   | Erythromycin Residue Rapid Test Device            | Tissue | 50 ppb            | 30 min                                    | 40/kit           |
| TYL-D203P1   | Tylosin Residue Rapid Test Device                 | Tissue | 50 ppb            | 30 min                                    | 40/kit           |
| NEO-D203P1   | Neomycin Residue Rapid Test Device                | Tissue | 500 ppb           | 30 min                                    | 40/kit           |
| LIN-D203P1   | Lincomycin Residue Rapid Test Device              | Tissue | 100 ppb           | 30 min                                    | 40/kit           |
| QLAQ-D203P1  | Olaquinox Residue Rapid Test Device               | Tissue | 4 ppb             | 30 min                                    | 40/kit           |

\* please note : we are able to provide different sensitivities to meet your requirements \*





## Veterinary residues rapid test for milk and dairy products

### Application:

1. Mass screening
2. Milk field test by commercial bureau
3. Supervising by state export and import inspection and quarantine bureau
4. Quality control (both finished and raw) by milk producers

### Benefits:

1. Only 3-5 min for results
2. Sensitivities respond to EU Norms
3. Single test for every target sample
4. Eyes Interpretation or quantitative measurement, suitable for lab and field analysis
5. Lowest set-up costs as no professionals and no equipment required(or simple one)



## Veterinary Residue Rapid Test for Milk and Dairy Products

MRL from some main countries and areas:

\* MRL data from China: Ministry of Agriculture No.235 \* MRL data from EU: EU NO.2377/90/EEC, EU NO.508/1999/EC

| Product Name     | CHN MRL         | EU MRL                 |
|------------------|-----------------|------------------------|
| Penicillin       | 4 ppb           | 4-30 ppb               |
| Cephalosporin    | 20-100 ppb      | 20-125 ppb             |
| Tetracyclines    | 100 ppb         | 100 ppb                |
| Streptomycin     | 200 ppb         | 200 ppb                |
| Chloramphenicol  | Forbidden       | Forbidden              |
| Fluoroquinolones | CIP+ENR 100 ppb | Forbidden (MAR 75 ppb) |
| Gentamicin       | 200 ppb         | 100 ppb                |
| Sulfonamides     | 100 ppb         | 100 ppb                |
| Neomycin         | 500 ppb         | 1500 ppb               |
| Erythromycin     | 40 ppb          | 40 ppb                 |
| Lincomycin       | 150 ppb         | 150 ppb                |
| Tylosin          | 50 ppb          | 50 ppb                 |
| Kanamycin        |                 | 150 ppb                |

### NKBIO Rapid Test Kits Availability:

| Product Item  | Product Name                               | Target Sample                          | Sensitivity (ppb) | Total Assay Time (including preparations) | Standard packing |
|---------------|--|--|-------------------|---|------------------|
| PEN-D204R1    | Penicillin Residue Rapid Test Device       | Raw Milk                               | 4 ppb             | 10-15 min                                 | 40/kit           |
| β-LAC-D204R1  | β-Lactam Residue Rapid Test Device         | Raw Milk                               | 3 ppb             | 5-10 min                                  | 40/kit           |
| PENASE-D204R1 | β-lactamase Residue Rapid Test Device      | Raw Milk                               | 3U                | 5-10 min                                  | 20/kit           |
| TCs-D204R1    | Tetracyclines Residue Rapid Test Device    | Raw Milk                               | 10 ppb            | 5-10 min                                  | 40/kit           |
| TCs-D204R3    | Tetracyclines Residue Rapid Test Device    | Raw Milk                               | 100 ppb           | 5-10 min                                  | 40/kit           |
| MEL-D204R1    | Melamine Residue Rapid Test Device         | Raw Milk                               | 0.2 ppm           | 5-10 min                                  | 40/kit           |
| AFLM1-D204R1  | Aflatoxin Residue Rapid Test Device        | Raw Milk                               | 0.1 ppb           | 20 min                                    | 40/kit           |
| STR-D204R1    | Streptomycin Residue Rapid Test Device     | Raw Milk                               | 50 ppb            | 5 min                                     | 40/kit           |
| GEN-D204R1    | Gentamicin Residue Rapid Test Device       | Raw Milk                               | 50 ppb            | 5-10 min                                  | 40/kit           |
| CAP-D204R3    | Chloramphenicol Residue Rapid Test Device  | Raw Milk                               | 0.3 ppb           | 30 min                                    | 40/kit           |
| CAP-D204N3    | Chloramphenicol Residue Rapid Test Device  | Raw milk, milk powder<br>finished Milk | 0.3 ppb           | 30 min                                    | 40/kit           |
| FQNs-D204R1   | Fluoroquinolones Residue Rapid Test Device | Raw Milk                               | 30 ppb            | 5-10 min                                  | 40/kit           |
| SAs-D204R1    | Sulfonamides Residue Rapid Test Device     | Raw Milk                               | 4 ppb             | 25 min                                    | 40/kit           |
| NEO-D204R1    | Neomycin Residue Rapid Test Device         | Raw Milk                               | 500 ppb           | 20 min                                    | 40/kit           |
| ERY-D204R1    | Erythromycin Residue Rapid Test Device     | Raw Milk                               | 40 ppb            | 20 min                                    | 40/kit           |
| LIN-D204R1    | Lincomycin Residue Rapid Test Device       | Raw Milk                               | 150 ppb           | 20 min                                    | 40/kit           |
| TYL-D204R1    | Tylosin Residue Rapid Test Device          | Raw Milk                               | 50 ppb            | 20 min                                    | 40/kit           |
| KAN-D204R1    | Kanamycin Residue Rapid Test Device        | Raw Milk                               | 10 ppb            | 10-15min                                  | 40/kit           |

\* please note : we are able to provide different sensitivities to meet your requirements \*





## Veterinary residue rapid test for seafood and fish products

### Application:

1. Mass screening
2. Aquatic products field test by commercial bureau
3. Aquatic products supervising by state export and import inspection and quarantine bureau
4. Quality control (both finished and raw) by aquatic products manufacturers and fish breeding farms

### Benefits:

1. Only 3-5 min for results
2. Sensitivities respond to EU Norms
3. Single test for every target sample
4. Eyes Interpretation or quantitative measurement, suitable for lab and field analysis
5. Lowest set-up costs as no professionals and no equipment required (or simple one)



## Veterinary Residue Rapid Test Device for seafood and fish Products

MRL from some main countries and areas:

\* MRL data from China: GB 14963-2003 Honey higien standard, NY 5134-2008 Organic Food, Honey \* MRL data from EU: EU NO.2377/90/EE、EU NO. 508/1999/EC \* MRL data from Japan: JP Positive List System

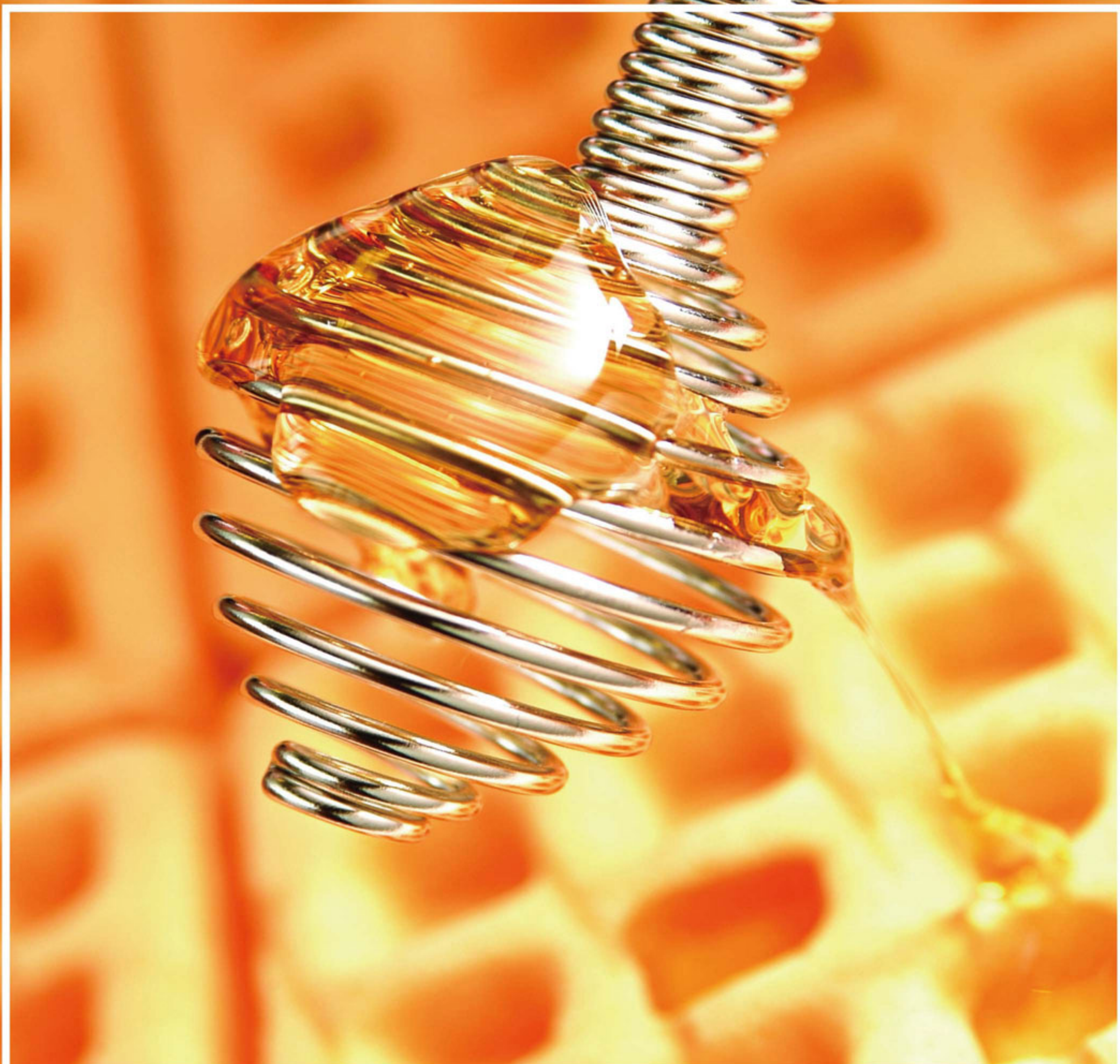
| Product Name     | CHN MRL                             | EU MRL                              | JP MRL                          |
|------------------|-------------------------------------|-------------------------------------|---------------------------------|
| Chloramphenicol  | Forbidden                           | 0.3 ppb                             | Forbidden                       |
| Fluoroquinolones | ENR+CIP 100 ppb<br>SAR 30 ppb       | SAR 30 ppb                          | ENR、 DAN 100 ppb<br>DIF 300 ppb |
| Sulfonamides     | 100 ppb                             | 100 ppb                             |                                 |
| Tetracyclines    | OTC/CTC/TC<br>(single/total)100 ppb | OTC/CTC/TC<br>(single/total)100 ppb | Total 200 ppb                   |
| Malachite Green  | Forbidden                           | 2 ppb                               | 2 ppb                           |
| Nitrofurans      | Forbidden                           | 1 ppb                               | Forbidden                       |
| Erythromycin     | 200 ppb                             | 200 ppb                             | 200 ppb                         |

### NKBIO Rapid Test Kits Availability:

| Product Item | Product Name  | Target Sample | Sensitivity (ppb) | Total Assay Time (including preparations) | Standard packing |
|--------------|---|---------------|-------------------|---|------------------|
| CAP-D203S1   | Chloramphenicol Residue Rapid Test Device                 | Tissue        | 0.1 ppb           | 20 min                                    | 40/kit           |
| CAP-D203S3   | Chloramphenicol Residue Rapid Test Device                 | Tissue        | 0.3 ppb           | 20 min                                    | 40/kit           |
| FQNs-D203S3  | Fluoroquinolones Residue Rapid Test Device                | Tissue        | 10 ppb            | 30 min                                    | 40/kit           |
| SAs-D203S1   | Sulfonamides Residue Rapid Test Device                    | Tissue        | 4 ppb             | 15 min                                    | 40/kit           |
| SD-D203S1    | Sulfadiazine Residue Rapid Test Device                    | Tissue        | 20 ppb            | 15 min                                    | 40/kit           |
| SM2-D203S1   | Sulfamethazine Residue Rapid Test Device                  | Tissue        | 20 ppb            | 15 min                                    | 40/kit           |
| SMZ-D203S1   | Sulfamethoxazole Residue Rapid Test Device                | Tissue        | 20 ppb            | 15 min                                    | 40/kit           |
| ST-D203S1    | Sulfathiazole Residue Rapid Test Device                   | Tissue        | 20 ppb            | 15min                                     | 40/kit           |
| TCs-D203S1   | Tetracyclines Residue Rapid Test Device                   | Tissue        | 10 ppb            | 20 min                                    | 40/kit           |
| TCs-D203S2   | Tetracyclines Residue Rapid Test Device                   | Tissue        | 100 ppb           | 20 min                                    | 40/kit           |
| MG-D203S1    | Malachite Green, Crystal Violet Residue Rapid Test Device | Tissue        | 0.5 ppb           | 45 min                                    | 40/kit           |
| MG-D203S2    | Malachite Green, Crystal Violet Residue Rapid Test Device | Tissue        | 0.5 ppb           | 45 min                                    | 40/kit           |
| AHD-D203S1   | Furacilin Metabolite Residue Rapid Test Device            | Tissue        | 0.5 ppb           | 120 min                                   | 40/kit           |
| SEM-D203S1   | Furadantin Metabolite Residue Rapid Test Device           | Tissue        | 0.5 ppb           | 120 min                                   | 40/kit           |
| AMAZ-D203S1  | Furaltadone Metabolite Residue Rapid Test Device          | Tissue        | 0.5 ppb           | 120 min                                   | 40/kit           |
| AOZ-D203S1   | Furazolidone Metabolite Residue Rapid Test Device         | Tissue        | 0.5 ppb           | 120 min                                   | 40/kit           |
| ERY-D203S1   | Erythromycin Residue Rapid Test Device                    | Tissue        | 200 ppb           | 30 min                                    | 40/kit           |

\* please note : we are able to provide different sensitivities to meet your requirements \*





## Veterinary residue rapid test for honey products

### Application:

1. Mass screening
2. Honey field test by commercial bureau
3. Honey supervising by state export and import inspection and quarantine bureau
4. Quality control (both finished and raw) by honey products manufacturers and bee breeding farms

### Benefits:

1. Only 3-5 min for results
2. Sensitivities respond to EU Norms
3. Single test for every target sample
4. Eyes Interpretation or quantitative measurement, suitable for lab and field analysis
5. Lowest set-up costs as no professionals and no equipment required(or simple one)



## Veterinary Residue Rapid Test Device for Honey Products

MRL from some main countries and areas:

\* MRL data from China: GB 14963-2003 Hygienic standard for honey, NY 5134-2008 Organic Food, Honey \* MRL data from EU: EU NO.2377/90/EE, EU NO.508/1999/EC \* MRL data from Japan: JP Positive List System

| Product Name     | CHN MRL   | EU MRL                           | JP MRL                    |
|------------------|-----------|----------------------------------|---------------------------|
| Chloramphenicol  | Forbidden | Forbidden                        | Forbidden                 |
| Nitrofurans      | Forbidden | Forbidden                        | Forbidden                 |
| Tetracyclines    | 50 ppb    | OTC/CTC/TC (single/total)100 ppb | OTC/CTC/TC (total) 30 ppb |
| Sulfonamides     | 50 ppb    | 100 ppb                          |                           |
| Penicilin        |           | 4-30 ppb                         | 4-9 ppb                   |
| Fluoroquinolones |           | Marbofloxacin 75 ppb             |                           |
| Arilin           | Forbidden |                                  | Forbidden                 |

### NKBIO Rapid Test Kits Availability:

| Product Item | Product Name                                      | Target Sample | Sensitivity (ppb) | Total Assay Time (including preparations) | Standard packing |
|--------------|---|---------------|-------------------|---|------------------|
| CAP-D206H1   | Chloramphenicol Residue Rapid Test Device         | Honey         | 0.1 ppb           | 20-30 min                                 | 40/kit           |
| CAP-D206H3   | Chloramphenicol Residue Rapid Test Device         | Honey         | 0.3 ppb           | 20-30 min                                 | 40/kit           |
| TCs-D206H1   | Tetracyclines Residue Rapid Test Device           | Honey         | 10 ppb            | 10 min                                    | 40/kit           |
| FQNs-D206H1  | Fluoroquinolones Residue Rapid Test Device        | Honey         | 2 ppb             | 30 min                                    | 40/kit           |
| AHD-D206H1   | Furacilin Metabolite Residue Rapid Test Device    | Honey         | 0.5ppb            | 30 min                                    | 40/kit           |
| AHD-D206H2   | Furacilin Metabolite Residue Rapid Test Device    | Honey         | 1-2ppb            | 120 min                                   | 40/kit           |
| AMoz-D206H1  | Furaltadone Metabolite Residue Rapid Test Device  | Honey         | 0.5ppb            | 120 min                                   | 40/kit           |
| AMoz-D206H2  | Furaltadone Metabolite Residue Rapid Test Device  | Honey         | 1-2ppb            | 120 min                                   | 40/kit           |
| SEM-D206H1   | Furadantin Metabolite Residue Rapid Test Device   | Honey         | 0.5ppb            | 120 min                                   | 0/kit            |
| SEM-D206H2   | Furadantin Metabolite Residue Rapid Test Device   | Honey         | 1-2ppb            | 120 min                                   | 40/kit           |
| AOZ-D206H1   | Furazolidone Metabolite Residue Rapid Test Device | Honey         | 0.5ppb            | 120 min                                   | 40/kit           |
| AOZ-D206H2   | Furazolidone Metabolite Residue Rapid Test Device | Honey         | 2ppb              | 120 min                                   | 40/kit           |
| SAs-D206H1   | Sulfonamides Residue Rapid Test Device            | Honey         | 4 ppb             | 25 min                                    | 40/kit           |
| SD-D206H1    | Sulfadiazine Residue Rapid Test Device            | Honey         | 10 ppb            | 15 min                                    | 40/kit           |
| SM2-D206H1   | Sulfamethazine Residue Rapid Test Device          | Honey         | 10 ppb            | 15 min                                    | 40/kit           |
| SMZ-D206H1   | Sulfamethoxazole Residue Rapid Test Device        | Honey         | 10 ppb            | 15 min                                    | 40/kit           |
| ST-D206H1    | Sulfathiazole Residue Rapid Test Device           | Honey         | 10 ppb            | 15 min                                    | 0/kit            |
| SG-D206H1    | Sulfaguanidine Residue Rapid Test Device          | Honey         | 10 ppb            | 15 min                                    | 40/kit           |
| PEN- D206H1  | Penicilin Residue Rapid Test Device               | Honey         | 4 ppb             | 5-10 min                                  | 40/kit           |
| STR-D206H2   | Streptomycin Residue Rapid Test Device            | Honey         | 5 ppb             | 35 min                                    | 40/kit           |
| STR-D206H1   | Streptomycin Residue Rapid Test Device            | Honey         | 10 ppb            | 35 min                                    | 40/kit           |
| STR-X206H1   | Streptomycin Residue Rapid Test Device            | Honey         | 5 ppb             | 5-8 min                                   | 40/kit           |
| KAN- D206H1  | Kanamycin Residue Rapid Test Device               | Honey         | 10ppb             | 10 min                                    | 40/kit           |
| TYL- D206H1  | Tylosin Residue Rapid Test Device                 | Honey         | 50ppb             | 20-30 min                                 | 40/kit           |
| LIN- D206H1  | Lincomycin Residue Rapid Test Device              | Honey         | 150ppb            | 20-30 min                                 | 0/kit            |
| ERY- D206H1  | Erythromycin Residue Rapid Test Device            | Honey         | 40ppb             | 20-30 min                                 | 40/kit           |
| NEO- D206H1  | Neomycin Residue Rapid Test Device                | Honey         | 500ppb            | 20-30 min                                 | 40/kit           |
| MET- D206H1  | Arilin Residue Rapid Test Device                  | Honey         | 5ppb              | 20-30 min                                 | 40/kit           |

\* please note : we are able to provide different sensitivities to meet your requirements \*





## Veterinary residue rapid test for feed

### Application:

1. Mass screening
2. Feed field test by commercial bureau
3. Feed supervising by state export and import inspection and quarantine bureau
4. Quality control (both finished and raw) by feed producers and livestock breeding farms

### Benefits:

1. Only 3-5 min for results
2. Sensitivities respond to EU Norms
3. Single test for every target sample
4. Eyes Interpretation or quantitative measurement, suitable for lab and field analysis
5. Lowest set-up costs as no professionals and no equipment required (or simple one)



## Veterinary Residue Rapid Test Device for Feed

MRL from some main countries and areas:

\* MRL data from US: FDA

| Product Name    | CHN MRL   | EU MRL    | US MRL      |
|-----------------|-----------|-----------|-------------|
| Chloramphenicol | Forbidden | Forbidden | Forbidden   |
| Clenbuterol     | Forbidden | Forbidden | Forbidden   |
| Aflatoxin B1    |           | 5-20 ppb  | 100-300 ppb |

NKBIO Rapid Test Kits Availability:

| Product Item | Product Name                              | Target Sample | Sensitivity (ppb) | Total Assay Time (including preparations) | Standard packing |
|--------------|---|---------------|-------------------|---|------------------|
| CAP-D205F2   | Chloramphenicol Residue Rapid Test Device | Feed          | 0.3 ppb           | 30 min                                    | 40/kit           |
| CLEN-D205F1  | Clenbuterol Residue Rapid Test Device     | Feed          | 5 ppb             | 20 min                                    | 40/kit           |
| AFLB1-D205F1 | Aflatoxin B1 Residue Rapid Test Device    | Feed          | 5 ppb             | 10 min                                    | 40/kit           |
| SAs-D205F1   | Sulfonamides Residue Rapid Test Device    | Feed          | 50 ppb            | 20 min                                    | 40/kit           |
| NIT-D205F1   | Nitrofurans Residue Rapid Test Device     | Feed          | 0.5 ppb           | 20 min                                    | 40/kit           |
| MEL-D205F1   | Melamine Residue Rapid Test Device        | Feed          | 50 ppb            | 20 min                                    | 40/kit           |
| MEL-D205F2   | Melamine Residue Rapid Test Device        | Feed          | 100 ppb           | 20 min                                    | 40/kit           |

\* please note : we are able to provide different sensitivities to meet your requirements \*





# Veterinary residue rapid test for eggs

## Application:

1. Mass screening
2. Eggs field test by commercial bureau
3. Eggs supervising by state export and import inspection and quarantine bureau
4. Quality control (both finished and raw) by eggs manufacturers and livestock breeding farms

## Benefits:

1. Only 3-5 min for results
2. Sensitivities respond to EU Norms
3. Single test for every target sample
4. Eyes Interpretation or quantitative measurement, suitable for lab and field analysis
5. Lowest set-up costs as no professionals and no equipment required(or simple one)



## Veterinary Residue Rapid Test Device for Eggs

MRL from some main countries and areas:

\* MRL data from China: Ministry of Agriculture No.235   \* MRL data from EU: EU NO.508/99/EEC, NO.2377/90EEC   \* MRL data from Japan : JP Positive List System

| Product Name     | CHN MRL                             | EU MRL                              |
|------------------|-------------------------------------|-------------------------------------|
| Tetracyclines    | OTC / CTC /TC (single/total)200 ppb | OTC / CTC /TC (single/total)200 ppb |
| Fluoroquinolones | ENR Forbidden , Ossian 50 ppb       | Ossian Forbidden                    |
| Chloramphenicol  | Forbidden                           | Forbidden                           |
| Sulfonamides     | 100 ppb                             | 100 ppb                             |
| Nitrofurans      | Forbidden                           | Forbidden                           |
| Erythromycin     | 150 ppb                             | 200 ppb                             |
| Lincomycin       | 50 ppb                              | 50 ppb                              |
| Neomycin         | 500 ppb                             | 500 ppb                             |
| Tylosin          | 200 ppb                             | Forbidden                           |
| Arilin           | Forbidden                           | Forbidden                           |

### NKBIO Rapid Test Kits Availability:

| Product Item | Product Name                                      | Target Sample | Sensitivity (ppb) | Total Assay Time (including preparations) | Standard packing |
|--------------|---|---------------|-------------------|---|------------------|
| TCs-D209E1   | Tetracyclines Residue Rapid Test Device           | Eggs          | 100 ppb           | 20 min                                    | 40/kit           |
| FQNs-D209E1  | Fluoroquinolones Residue Rapid Test Device        | Eggs          | 10 ppb            | 30 min                                    | 40/kit           |
| SAs-D209E1   | Sulfonamides Residue Rapid Test Device            | Eggs          | 50 ppb            | 15 min                                    | 40/kit           |
| SD-D209E1    | Sulfadiazine Residue Rapid Test Device            | Eggs          | 50 ppb            | 15 min                                    | 40/kit           |
| SM2-D209E1   | Sulfamethoxine Residue Rapid Test Device          | Eggs          | 50 ppb            | 15 min                                    | 40/kit           |
| SMZ-D209E1   | Sulfamethoxine Residue Rapid Test Device          | Eggs          | 50 ppb            | 15 min                                    | 40/kit           |
| ST-D209E1    | Sulfathiazole Residue Rapid Test Device           | Eggs          | 50 ppb            | 15 min                                    | 40/kit           |
| AHD-D209E1   | Furacilin Metabolite Residue Rapid Test Device    | Eggs          | 0.5 ppb           | 120 min                                   | 40/kit           |
| SEM-D209E1   | Furadantin Metabolite Residue Rapid Test Device   | Eggs          | 0.5 ppb           | 120 min                                   | 40/kit           |
| AMAZ-D209E1  | Furaltadone Metabolite Residue Rapid Test Device  | Eggs          | 0.5 ppb           | 120 min                                   | 40/kit           |
| AOZ-D209E1   | Furazolidone Metabolite Residue Rapid Test Device | Eggs          | 0.5 ppb           | 120 min                                   | 40/kit           |
| ERY-D209E1   | Erythromycin Residue Rapid Test Device            | Eggs          | 150 ppb           | 30 min                                    | 40/kit           |
| LIN-D209E1   | Lincomycin Residue Rapid Test Device              | Eggs          | 50 ppb            | 30 min                                    | 40/kit           |
| NEO-D209E1   | Neomycin Residue Rapid Test Device                | Eggs          | 500 ppb           | 30 min                                    | 40/kit           |
| TYL-D209E1   | Tylosin Residue Rapid Test Device                 | Eggs          | 200 ppb           | 30 min                                    | 40/kit           |
| MET-D209E1   | Arilin Residue Rapid Test Device                  | Eggs          | 1 ppb             | 35 min                                    | 40/kit           |

\* please note : we are able to provide different sensitivities to meet your requirements \*





## Contaminants rapid test for grain and oil products

### Application:

1. Mass screening
2. Grain and oil field test by commercial bureau
3. Grain and oil supervising by state export and import inspection and quarantine bureau
4. Quality control (both finished and raw) by grain and oil processors and farms

### Benefits:

1. Only 3-5 min for results
2. Sensitivities respond to EU Norms
3. Single test for every target sample
4. Eyes Interpretation or quantitative measurement, suitable for lab and field analysis
5. Lowest set-up costs as no professionals and no equipment required(or simple one)



## Harmful Residue Rapid Test Device for Grain & Oil

MRL from some main countries and areas:

\* MRL data from China: GB 2763-2005 \* MRL data from EU: EU NO.149/2008/EEC \* MRL data from Japan: JP Positive List System

| Product Name     | CHN MRL   | EU MRL             | JP MRL              |
|------------------|---|--------------------|---------------------|
| Aflatoxin B1     | arachis oil 20 ppb, other plant oil 10 ppb, refined plant oil 5 ppb | Buck wheat 2-4 ppb | Aflatoxins 1100 ppb |
| Zearalenone      | Wheat, corn 60 ppb  |                    |                     |
| Organophosphorus | 50-100 ppb  | 10-50 ppb          | 10-200 ppb          |
| Pyrethroids      | 20-200 ppb  | 20-50 ppb          | 20-1000 ppb         |
| Arilin           | Forbidden   | Forbidden          |                     |

### NKBIO Rapid Test Kits Availability:

| Product Item | Product Name                       | Target Sample            | Sensitivity (ppb) | Total Assay Time (including preparations) | Standard packing |
|--------------|------------------------------------|--------------------------|-------------------|---|------------------|
| AFLB1-D21001 | Aflatoxin B1 Rapid Test Device     | Grain, oil               | 5 ppb             | 5 min                                     | 40/kit           |
| ZEA-D21001   | Zearalenone Rapid Test Device      | Grain, oil               | 60 ppb            | 5 min                                     | 40/kit           |
| OPs-D21001   | Organophosphorus Rapid Test Device | Grain, oil               | 200 ppb           | 5 min                                     | 40/kit           |
| PYRs-D21001  | Pyrethroids Rapid Test Device      | Grain, oil               | 200 ppb           | 5 min                                     | 40/kit           |
| MET-D21001   | Arilin Rapid Test Device           | Grain, oil               | 1 ppb             | 10 min                                    | 40/kit           |
|              | Ochratoxin Rapid Test Device       | Provide test as required |                   |   |                  |
|              | Deoxynivalenol Rapid Test Device   | Provide test as required |                   |   |                  |
|              | Fumonisin Rapid Test Device        | Provide test as required |                   |   |                  |

\* please note : we are able to provide different sensitivities to meet your requirements \*



