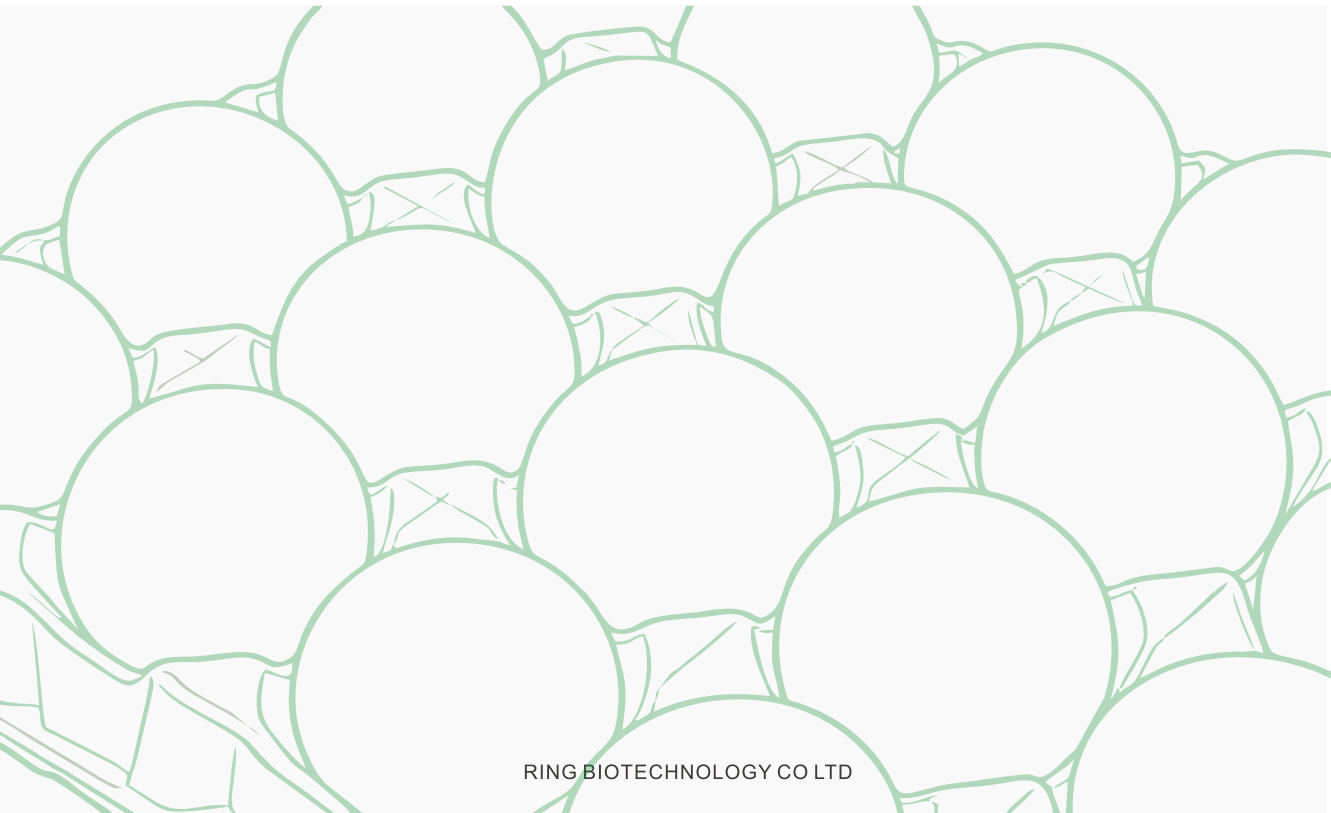




Egg & Egg Products Rapid Test Kit

Testing of antibiotic residues, pesticides,
and microbial contamination

rapid and easy-to-use test kit to monitor the contaminations
for egg farm, traders and organic producers.



Why testing eggs?

Bio-Security: Detect pathogens like Salmonella and E. coli early.

Nutritional Integrity: Ensure your eggs are providing the vitamins and minerals you expect.

Environmental Monitoring: Check for pesticide runoff that may have entered the food chain.

Regulatory Compliance: Stay ahead of local health guidelines and safety requirements.

Why antibiotic free eggs?

Antibiotic-free eggs come from hens raised without the use of antibiotics for growth promotion or disease prevention. While "antibiotic-free" is a common label, it is often unregulated; however, USDA Organic certification strictly prohibits the use of antibiotics throughout the hen's life. To market as antibiotic free eggs, there must be comprehensive testing showing that result.

Measurement for egg safety

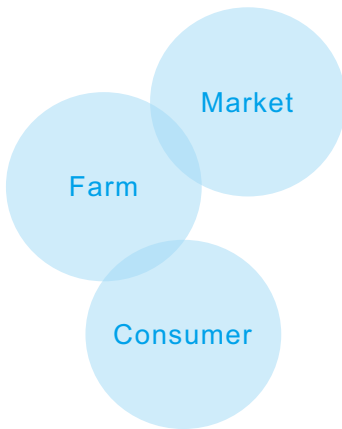
Mandatory Withdrawal: If a hen is treated with antibiotics due to illness, she must undergo a strict "withdrawal period" before her eggs can be sold for human consumption.

Residue Testing: Government agencies like the USDA's FSIS and the FDA conduct regular surveillance to ensure no illegal residues are present. Third party laboratories such as SGS, Eurofins also provide testing services.

Farm Hygiene: Farms with strict hygiene and biosecurity protocols have significantly lower rates of pathogenic bacteria like E. coli and Salmonella, which will help to reduce bacterial contamination in eggs.



Ringbio Solution



Antibiotic residue test kits

Lateral flow rapid test kit for farm, market and even consumer testing.

Key features

Simple & easy to use

No special instrument required**

Maximum 10min testing*

Farmers can even do the testing

Result meet EU/US Maximum Residue Levels

EU MRLs for Eggs

Antibiotic drugs	MRL (μ g/kg)	Remarks
Chlortetracycline Oxytetracycline Tetracycline	200	EC No. 37/2010
Colistin	300	EC No. 37/2010
Erythromycin	150	EC No. 37/2010
Lasalocid	150	EC No. 37/2010
Lincomycin	50	EC No. 37/2010
Neomycin	500	EC No. 37/2010
Tylosin	200	EC No. 37/2010
Piperazine	2000	EC No. 37/2010

This is not a full list, please check EUR LEX for more information.



Ringbio Solution



Antibiotic residue test kits

Lateral flow rapid test kit for farm, market and even consumer testing.

Kit components

Test Strip, 48/96 tests per kit

Sample buffer

Micropipette tips

Microwell holder

Kit instruction.

EU Banned drugs in eggs

Amoxicillin

Ampicillin

Apramycin

Avilamycin

Benzylpenicillin

Cloxacillin

Dicloxacillin

Oxacillin

Danofloxacin

Difloxacin

Enrofloxacin

Flumequine

Oxolinic acid

Sarafloxacin

Doxycycline

Florfenicol

Thiamphenicol

Kanamycin

Paromomycin

Spectinomycin

Spiramycin

Sulfonamides

Trimethoprim

Tilmicosin

Tylvalosin

Aspirin

Cocciostats

Oestradiol

Nitrofurans

Chloramphenicol

Nitroimidazoles

Dapsone

Clenbuterol

Diethylstilbestrol

Aristolochia spp

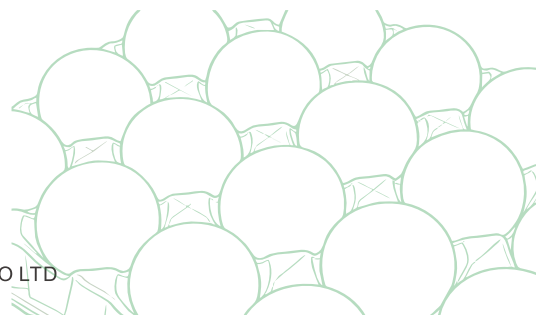
Chloroform



Column 3 drugs are banned for all animals.

Column 1 & 2 drugs are not for laying hens.

Check EU LEX website for more detailed information.



Antibiotic residue test kits: single class/drug test

Item #	Product	Unit Size	Remarks
E1011	Cefalosporins Rapid Test Kit	96T	
E1012	Cefalexin Rapid Test Kit	96T	
E1014	Sulfonamides Rapid Test Kit	96T	Banned
E1015	Fluoroquinolones QNS Rapid Test Kit	96T	Banned
E1015H	Fluoroquinolones QNS Rapid Test Kit	96T	Banned
E1016	Chloramphenicol CAP Rapid Test Kit	96T	Banned
E1020	Florfenicol Rapid Test Kit	96T	Banned
E1020H	Florfenicol Rapid Test Kit	96T	Banned
E1022	Macrolides Rapid Test Kit	96T	
E1025	Metronidazole Rapid Test Kit	96T	Banned
E1026	Amantadine Rapid Test Kit	96T	
E1027	Lincomycin Rapid Test Kit	96T	
E1028	Tetracycline Rapid Test Kit	96T	
E0182	Florfenicol & Thiamphenicol Rapid Test Kit	96T	Banned
E0782	Trimethoprim Rapid Test Kit	96T	Banned
E0811	Nitroimidazoles Rapid Test Kit	96T	Banned
ES008	Phenicol's Rapid Test Kit	96T	Banned
E1501	Colistin Rapid Test Kit	96T	
E0821	Bacitracin Rapid Test Kit	96T	

Antibiotic residue test kits: single class/drug test

Item #	Product	Unit Size	Remarks
E0301	Kanamycin Rapid Test Kit	96T	Banned
E0103	Beta-agonists 7in1 Rapid Test Kit	96T	Banned
E0271	Neomycin Rapid Test Kit	96T	
E3004	Tylosin, tilmicosin & Tylvalosin Rapid Test Kit	96T	Banned

Antibiotic residue test kits: combo 2in1 test

Item #	Product	Unit Size	Remarks
E1013	Beta-lactams & Tetracyclines Combo Test	96T	Banned
E1019	Florfenicol & Quinolones Combo Test	96T	Banned
E1019H	Florfenicol & Quinolones Combo Test	96T	
E1021	Fluoroquinolones & Erythromycin 2in1 Test Kit Kit	96T	
E1024	Neomycin & Florfenicol 2in1 Rapid Test Kit	96T	

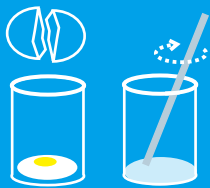
Antibiotic residue test kits: TriTest 3in1 & QuaTest 4in1 test

Item #	Product	Unit Size	Remarks
E1023	Beta/Tetra/Sulfa BTS 3in1 TriTest Kit	96T	Banned
E1029	Tilmi, Tylo & Ery & Lincomycin QuaTest 4in1 Test Kit	96T	Banned

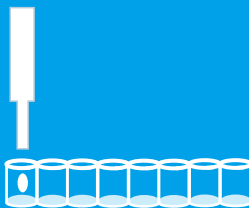
Pesticide residue test kits

Item #	Product	Unit Size	Remarks
EN002	Paraquat Rapid Test Kit	96T	
EN005	Imidacloprid Rapid Test Kit	96T	Banned
E3017	Clothianidin Rapid Test Kit	96T	Banned
EN021	Acetamiprid & Thiamethoxam Rapid Test Kit	96T	Banned
EN012	Carbendazim & albendazole Rapid Test Kit	96T	Albendazole is banned
EN010	Carbofuran Rapid Test Kit	96T	
EN018	Cyromazine & Thiamethoxam Rapid Test Kit	96T	
EN013	Thiabendazole Rapid Test Kit	96T	

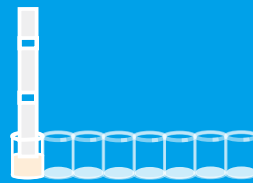
General Test Procedures



Break egg into beaker and mix it



Add 100ul sample into vial
Add 100ul buffer into vial
Mix and wait for 5min

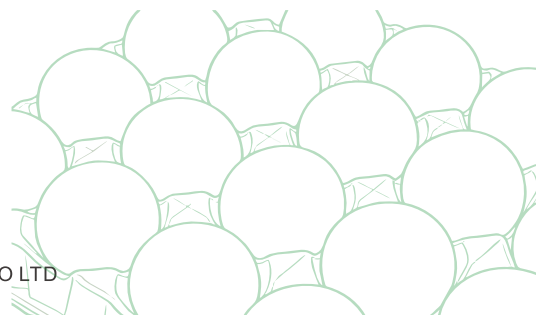


Insert test strip
Wait for 5min



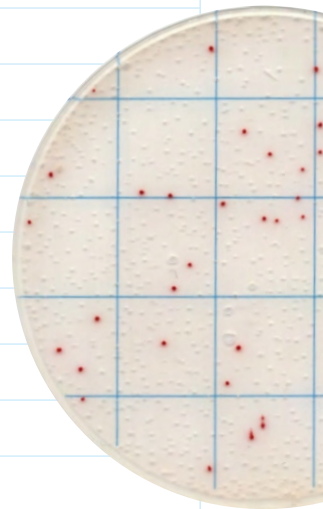
Check result

Please always follow the kit instruction for operation.
For banned drugs, nitrogen gas drying may require.



Products for Bacteria Contamination

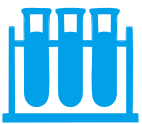
Item #	Product	Unit Size	Remarks
KGR001	Aerobic Count Plate	12T/25T	AOAC-RI certified
KGR002	Staph Count Plate	12T/25T	
KGR005	Liseria Count Plate	12T/25T	
KGR008	Yeast & Molds Count Plate	12T/25T	
KGR010	Coliform Count Plate	12T/25T	
KGR011	E. coli / Coliform Count Plate	12T/25T	
KGR015	Salmonella Count Plate	12T/25T	
KGR016	Enterobacteriaceae EB Count Plate	12T/25T	
KGR026	Listeria monocytogenes Count Plate	12T/25T	
KGR027	Escherichia coli O157 Count Plate	12T/25T	
T006	ATP Swabs for Surface	20swabs	
T007	ATP Swabs for Water	20swabs	
KGB002	Pseudomonas aeruginosa PA Count Plate	4 plates	



Please always follow the kit instruction for operation.

Listeria monocytogenes, salmonella, E Coli O157 require pre-enrichment with culture media.

These count plates are compatible with ISO standards and AOAC standards.



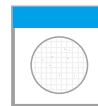
Sample Preparation



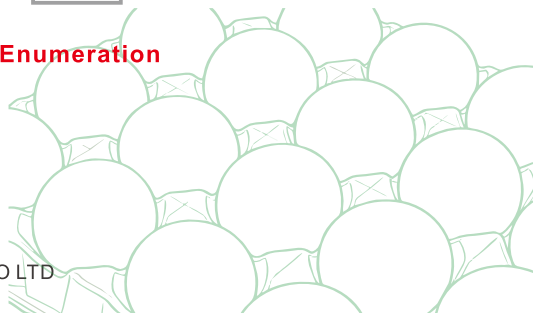
Sampling



Incubation



Enumeration





Egg & Egg Products Rapid Test Kit

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