



Analysis of antibiotic residues

In addition to their function as veterinary drugs, antibiotics can be used as antimicrobial growth promoters in livestock breeding. As a consequence of incorrect or illegal use, antibiotic drug residues in food of animal origin can remain.

Because of the potentially toxic, carcinogenic and allergic properties of antibiotic residues, contaminated food is a direct health risk for consumers.

Additionally, the inappropriate use of antibiotics in animal husbandry and food production can promote multi-resistant pathogens, which pose an increasing risk for public health.

For these reasons, most countries have established Maximum Residue Limits (MRLs) and monitoring programs for antibiotic residues in food. Non-compliance with these legislations e.g. in export can lead to severe penalties.

For food industries, antibiotic residues additionally bear technological and economic risks, as they can inhibit production processes involving microorganisms and thus lead to production losses.



RIDASCREEN®/EuroProxima

ELISAs for the screening of antibiotic residues

- Quantitative results of single antibiotics or antibiotic groups
- Detect the most commonly used antibiotics
- Applications for a wide range of matrices
- Evaluation with RIDASOFT® Win.NET (RIDASCREEN®) respectively dedicated software (EuroProxima)



Premi®Test

Microbial inhibition test for qualitative screening

- Detects a broad spectrum of antibiotics
- Easy to handle, no sophisticated equipment needed
- Fast (-er than plate tests)
- Sensitive (in conformity with EU-MRLs)
- Validated (AOAC-RI PTMSM and AFNOR NF VALIDATION)



Antibiotics

Product	Description	No. of tests/amount	Art. No.
Fenicols			
ELISA microtiter plates			
RIDASCREEN® Chloramphenicol	Enzyme immunoassay for quantitative analysis of chloramphenicol in milk (24 ng/L), milk powder (25 ng/kg), yoghurt/kefir/buttermilk/cream (12 ng/kg), curd/sour cream (15 ng/kg), butter (61 ng/kg), cheese (16 ng/kg), honey (25 ng/kg), royal jelly (23 ng/kg), meat (5 ng/kg), fish/shrimp (8 ng/kg), egg (15 ng/kg), urine (196 ng/L), plasma/serum (18 ng/L), feed (107 ng/kg)	96 determinations Incubation time: 45 min	R1511
RIDA® Chloramphenicol Spiking Solution	50 ng/ml	1 ml	R1599
EuroProxima Florfenicol-amine	Enzyme immunoassay for quantitative analysis of florfenicol-amine in tissue (5 µg/kg), fish (8 µg/kg), kidney (11 µg/kg), liver (7 µg/kg), milk (2 µg/L) and egg (5 µg/kg)	96 determinations Incubation time: 1 hr 30 min	5091FLOA
Tetracyclin			
ELISA microtiter plates			
RIDASCREEN® Tetracyclin	Enzyme immunoassay for quantitative analysis of tetracycline in milk (0.9 µg/L), milk powder (5 µg/kg), cheese (2.3 µg/kg), butter (2.6 µg/kg), dairy products (1 µg/kg), honey (3.7 µg/kg), meat (1.5 µg/kg), sausage (4.6 µg/kg), fish (1.5 µg/kg), shrimp (1.2 µg/kg), eggs (2.8 µg/kg)	96 determinations Incubation time: 1 hr 30 min	R3505
RIDA® Tetracyclin Spiking Solution	Lyophilisate, produces 10 ml of a 100 ng/ml stock solution	1 lyophilisate, 1 reconstitution buffer	R3599
EuroProxima Oxytetracycline	Enzyme immunoassay for quantitative analysis of Oxytetracycline in honey (5 µg/kg) and shrimp/fish (2 µg/kg)	96 determinations Incubation time: 1 hr 30 min	5091OTC
β-Lactame			
ELISA microtiter plates			
EuroProxima Penicillin	Enzyme immunoassay for quantitative analysis of penicillins in milk (0.08 µg/L), cheese/butter/yoghurt/curd/cream/kefir/whey (0.4 - 2.5 µg/L), infant formula (0.5 µg/L), chicken meat (5 µg/kg) and turkey meat (0.9 µg/kg)	96 determinations Incubation time: 1 hr 30 min	5091PEN
EuroProxima Cefalexin	Enzyme immunoassay for quantitative analysis of Cefalexin in milk (5 µg/kg), honey (7 µg/kg) and other matrices	96 determinations Incubation time: 1 hr 30 min	5091CEF
Nitrofurans			
ELISA microtiter plates			
RIDASCREEN® Nitrofurantoin (AOZ)	Enzyme immunoassay for quantitative analysis of AOZ in shrimp/fish/milk (50 ng/kg), meat/liver/whole egg/honey (100 ng/kg), *	96 determinations Incubation time: 1 hr 15 min	R3703
RIDA® Nitrofurantoin (AOZ) Spiking Solution	20 ng/ml	1 ml	R3798
RIDASCREEN® Nitrofurantoin (AMOZ)	Enzyme immunoassay for quantitative analysis of AMOZ in shrimp/meat/liver/fish/whole egg (50 ng/kg), *	96 determinations Incubation time: 45 min	R3722
RIDA® Nitrofurantoin (AMOZ) Spiking Solution	20 ng/ml	1 ml	R3799
RIDASCREEN® Nitrofurantoin (AHD)	Enzyme immunoassay for quantitative analysis of AHD in shrimp (200 ng/kg), fish (76 ng/kg), *	96 determinations Incubation time: 1 hr 15 min	R3713
RIDA® Nitrofurantoin (AHD) Spiking Solution	20 ng/ml	1 ml	R3796
RIDASCREEN® Nitrofurantoin (SEM)	Enzyme immunoassay for quantitative analysis of SEM in meat beef/pork/shrimp (300 ng/kg), poultry (400 ng/kg), fish 360 ng/kg), *	96 determinations Incubation time: 1 hr 15 min	R3715
RIDA® Nitrofurantoin (SEM) Spiking Solution	20 ng/ml	1 ml	R3797

* Further applications on request.



Antibiotics

Product	Description	No. of tests/amount	Art. No.
Aminoglycosides			
ELISA microtiter plates			
RIDASCREEN® Streptomycin	Enzyme immunoassay for quantitative analysis of streptomycin in milk (5 µg/L), honey (2 µg/kg), beef/pork (22 µg/kg), poultry (28 µg/kg), liver (23 µg/kg), kidney (18 µg/kg), shrimp (20 µg/kg), apple juice (4 µg/L)	96 determinations Incubation time: 45 min	R3104
RIDA® Streptomycin Spiking Solution	10 µg/mL	1 ml	R3199
EuroProxima Gentamicin	Enzyme immunoassay for quantitative analysis of Gentamicin in milk (2 µg/kg), tissue (10 µg/kg), honey (2.5 µg/kg) and other matrices	96 determinations Incubation time: 1 hr 30 min	5111GEN
EuroProxima Neomycin	Enzyme immunoassay for quantitative analysis of Neomycin in milk (6 µg/kg), tissue (31 µg/kg), urine (8 µg/kg) and other matrices	96 determinations Incubation time: 1 hr 30 min	5111NEO
Macrolides			
ELISA microtiter plates			
EuroProxima Erythromycin	Enzyme immunoassay for quantitative analysis of Erythromycin in milk (4 µg/kg), honey (10 µg/kg), egg (10 µg/kg), shrimp/fish (10 µg/kg), liver (10 µg/kg) and urine (4 µg/kg)	96 determinations Incubation time: 1 hr 30 min	5151ERY
EuroProxima Tylosin	Enzyme immunoassay for quantitative analysis of Tylosin in milk (2.5 µg/kg), honey (2.5 µg/kg), egg (2.5 µg/kg) and other matrices	96 determinations Incubation time: 1 hr 15 min	5151TYL
Lincomycine			
ELISA microtiter plates			
EuroProxima Lincomycin	Enzyme immunoassay for quantitative analysis of Lincomycin in milk (45 µg/kg), tissue (41 µg/kg), honey (7 µg/kg) and other matrices	96 determinations Incubation time: 1 hr 30 min	5151LIN
Virginiamycin			
ELISA microtiter plates			
EuroProxima Virginiamycin	Enzyme immunoassay for quantitative analysis of Virginiamycin in urine (40 µg/kg), feed (40 µg/kg) and milk (8 µg/kg)	96 determinations Incubation time: 1 hr 30 min	5151VIG
Sulfonamides			
ELISA microtiter plates			
RIDASCREEN® Sulfamethazin	Enzyme immunoassay for quantitative analysis of sulfamethazine in milk (4 µg/L), meat (5 µg/kg), liver (6 µg/kg), kidney (10 µg/kg), honey (10 µg/kg)	96 determinations Incubation time: 45 min	R3011
RIDA® Sulfamethazin Spiking Solution	10 µg/mL	1 ml	R3098
RIDASCREEN® Sulfonamide	Enzyme immunoassay for quantitative analysis of sulfonamides in poultry/egg (1.5 µg/kg), pork/fish/shrimp/honey (2 µg/kg), milk (3.5 µg/L)	96 determinations Incubation time: 1 hr 15 min	R3004
RIDA® Sulfonamide/Sulfamethoxypridazin Spiking Solution	0.1 µg/mL	1 ml	R3099
EuroProxima Dapsone	Enzyme immunoassay for quantitative analysis of Dapsone in shrimp (0.05 µg/kg), egg (0.1 µg/kg) and milk (0.06 µg/kg)	96 determinations Incubation time: 2 hrs 30 min	5101DAP

* Further applications on request.



Antibiotics

Product	Description	No. of tests/amount	Art. No.
Quinolones/Fluoroquinolones ELISA microtiter plates			
RIDASCREEN® Chinolone/Quinolones	Enzyme immunoassay for quantitative analysis of quinolones in shrimp (6 µg/kg), fish (8 µg/kg), egg (9 µg/kg), meat (10 µg/kg), *	96 determinations Incubation time: 1 hr 15 min	R3113
RIDA® Ciprofloxacin Spiking Solution	1 µg/mL	1 ml	R3198
EuroProxima Flumequine	Enzyme immunoassay for quantitative analysis of Flumequine in milk (13 µg/kg), egg (3 µg/kg), honey (10 µg/kg) and other matrices	96 determinations Incubation time: 1 hr 30 min	5101FLUM
EuroProxima Fluoroquinolones I	Enzyme immunoassay for quantitative analysis of Fluoroquinolones in milk (3 µg/kg), egg (6 µg/kg), honey (2 µg/kg) and other matrices	96 determinations Incubation time: 1 hr 30 min	5101FLUQG
EuroProxima Fluoroquinolones II	Enzyme immunoassay for quantitative analysis of Fluoroquinolones in shrimp (4 µg/kg), tissue (0.6 µg/kg), honey (0.1 µg/kg) and other matrices	96 determinations Incubation time: 45 min	5101FLUQII
Nitromidazoles ELISA microtiter plates			
EuroProxima Dimetridazole	Enzyme immunoassay for quantitative analysis of Dimetridazole in shrimps (0.8 µg/kg), tissue (0.3 µg/kg), milk (0.3 µg/kg) and other matrices	96 determinations Incubation time: 1 hr 30 min	5091DIME
Polypeptides ELISA microtiter plates			
RIDASCREEN® Bacitracin	Enzyme immunoassay for quantitative analysis of bacitracin in milk (11 µg/L), meat (9 µg/kg), eggs (11 µg/kg), feed (82 µg/kg), urine (23 µg/L)	96 determinations Incubation time: 1 hr 30 min	R2901
Others ELISA microtiter plates			
EuroProxima Colistin	Enzyme immunoassay for quantitative analysis of Colistin in milk (4 µg/kg), egg (22 µg/kg) and other matrices	96 determinations Incubation time: 1 hr	5151COL
Premi®Test Test ampoules			
Premi®Test	Microbial inhibition test for the screening of antibiotic residues in food of animal origin such as meat (beef, pork, poultry), liver, kidney, fish, shrimp, eggs, bovine/porcine urine and pork/poultry feed Detectable antibiotic groups: β-lactams, cephalosporins, macrolides, tetracyclins, sulphonamides, aminoglycosides, quinolones, polypeptides, fenicols, others	4 x 25 ampoules 25 ampoules Incubation time: 3 hrs	R3900 R3925





Antibiotics

Test	Matrix													Additional matrices
	Milk	Milk powder	Dairy products*	Meat	Liver	Kidney	Fish	Shrimp	Honey	Egg	Urine	Serum/plasma	Feed	
RIDASCREEN® Bacitracin	•			•							•			
EuroProxima Cefalexin	•			•					•		•			
RIDASCREEN® Chinolone	•			•			•	•	•					
RIDASCREEN® Chloramphenicol	•	•	•	•			•	•	•	•	•	•	•	
EuroProxima Colistin	•			•	•					•			•	
EuroProxima Dapsone	•							•		•				
EuroProxima Dimetridazole	•			•				•		•		•		
EuroProxima Erythromycin	•			•	•			•	•	•	•			
EuroProxima Florfenicol-amine	•				•	•	•			•				
EuroProxima Flumequine	•			•				•	•	•	•	•	•	
EuroProxima Fluorquinolones I	•			•					•	•	•	•	•	
EuroProxima Fluorquinolones II				•				•	•		•	•	•	
EuroProxima Gentamicin				•					•	•	•	•	•	
EuroProxima Lincomycin	•			•	•				•	•				
EuroProxima Neomycin	•			•					•		•	•		
RIDASCREEN® Nitrofuran AHD							•	•						
RIDASCREEN® Nitrofuran AMOZ	•			•	•		•	•		•				
RIDASCREEN® Nitrofuran AOZ	•			•	•		•	•	•	•				
RIDASCREEN® Nitrofuran SEM				•			•	•						
EuroProxima Oxytetracycline	•							•	•					
EuroProxima Penicillin	•	•	•	•										baby food
Premi®Test				•	•	•	•	•						
RIDASCREEN® Sulfamethazin	•			•	•	•	•	•	•	•				
RIDASCREEN® Sulfonamide	•			•										
RIDASCREEN® Streptomycin	•		•	•	•	•			•	•				Apple juice
RIDASCREEN® Tetracyclin	•	•	•	•			•	•	•	•				Sausage
EuroProxima Tylosin	•			•					•	•	•	•	•	
EuroProxima Virginiamycin	•										•	•		

* Dairy products: butter, cheese, curd, yoghurt, cream, kefir (depending on test).

Other veterinary drug residues/miscellaneous

Product	Description	No. of tests/amount	Art. No.
Coccidiostats ELISA microtiter plates			
EuroProxima Diclazuril	Enzyme immunoassay for quantitative analysis of Diclazuril in chicken tissue (25 µg/kg) and egg (1 µg/kg)	96 determinations Incubation time: 1 hr 30 min	5111DCLA
EuroProxima Ionophore	Enzyme immunoassay for quantitative analysis of Salinomycin and Naracin in tissue (4 µg/kg) and pet feed (20 µg/kg)	96 determinations Incubation time: 1 hr 30 min	5111IONO
Malachite Green ELISA microtiter plates			
EuroProxima Malachite Green	Enzyme immunoassay for quantitative analysis of Malachite Green in shrimps and fish	96 determinations Incubation time: 45 min	5161MG-LMG
Anthelmintics ELISA microtiter plates			
EuroProxima Ivermectin	Enzyme immunoassay for quantitative analysis of Ivermectin in milk (2.5 µg/kg), corned beef (5 µg/kg), liver (8 µg/kg), serum (1 µg/kg), urine (1 µg/kg) and tissue (3 µg/kg)	96 determinations Incubation time: 1 hr 30 min	5141IVER
EuroProxima Moxidectin	Enzyme immunoassay for quantitative analysis of Moxidectin in urine (2 µg/kg)	96 determinations Incubation time: 1 hr 30 min	5141MOXI
Tranquilizers ELISA microtiter plates			
EuroProxima Azaperone-Azaperol	Enzyme immunoassay for quantitative analysis of Azaperone-Azaperol in urine (0.2 µg/kg), tissue (3 µg/kg), liver (5 µg/kg) and kidney (10 µg/kg)	96 determinations Incubation time: 1 hr 30 min	5201AZA
EuroProxima Carazolol	Enzyme immunoassay for quantitative analysis of Carazolol in urine (2 µg/kg), tissue (0.3 µg/kg) and liver/kidney (3 µg/kg)	96 determinations Incubation time: 1 hr 30 min	5201CARA
EuroProxima Promazine, generic	Enzyme immunoassay for quantitative analysis of Promazine in urine (1 µg/kg), tissue (4 µg/kg), liver (0.2 µg/kg) and kidney (0.3 µg/kg)	96 determinations Incubation time: 1 hr 30 min	5201PROM
Endocrine disruptors ELISA microtiter plates			
EuroProxima Bisphenol A	Enzyme immunoassay for quantitative analysis of Bisphenol A in milk (0.4 µg/kg) and surface water (0.009 µg/kg)	96 determinations Incubation time: 1 hr 30 min	5221BPA

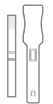
Marine biotoxins

ELISA microtiter plates			
EuroProxima Domoic Acid	Enzyme immunoassay for quantitative analysis of Domoic Acid in scallop (60 µg/kg), mussel (60 µg/kg) and oyster (150 µg/kg)	96 determinations Incubation time: 45min	5191DOMO
EuroProxima Okadaic Acid	Enzyme immunoassay for quantitative analysis of Okadaic Acid in mussel (40 µg/kg) and oyster (40 µg/kg)	96 determinations Incubation time: 45 min	5191OKA
EuroProxima Saxitoxin	Enzyme immunoassay for quantitative analysis of Saxitoxin in mussel (4 µg/kg) and oyster (3 µg/kg)	96 determinations Incubation time: 45 min	5191SAXI
EuroProxima Tetrodotxin	Enzyme immunoassay for quantitative analysis of Tetrodotxin in fish (6 µg/kg) and shellfish (9 µg/kg)	96 determinations Incubation time: 1 hr	5191TTX



Food adulteration

Product	Description	No. of tests/amount	Art. No.
ELISA microtiter plates			
RIDASCREEN® CIS	Enzyme immunoassay for the analysis of cow milk (bovine IgG) in sheep and goat's milk and cheese; Detection limit: 0.1 % (cow milk in sheep/goat milk/cheese)	48 determinations Incubation time: 1 hr 30 min	R4302
EuroProxima Bovine Rennet Whey	Enzyme immunoassay for quantitative analysis of bovine rennet whey in bovine milk or milk powder	96 determinations Incubation time: 1 hr 30 min	5171BRW
EuroProxima Milk Fraud/Bovine ELISA	Enzyme immunoassay for quantitative analysis of bovine milk in milk of other species at a minimal level of 0.5 %	96 determinations Incubation time: 1 hr 30 min	5171BKCM
EuroProxima Cheese Fraud	Enzyme immunoassay for quantitative analysis of bovine milk in cheeses of other species at a minimum level of 1 %	96 determinations Incubation time: 1 hr 30 min	5171BKCC
EuroProxima Lactoferrin	Enzyme immunoassay for quantitative analysis of lactoferrin in milk, milk powder and baby/infant milk powder	96 determinations Incubation time: 1 hr 30 min	5091LFER
Test strips			
RIDA®QUICK CIS	Immunochromatographic test for the detection of cow milk (bovine IgG) in milk or cheese of other species; Detection limit: 0.5 % (cow milk in sheep/goat milk/cheese)	25 strips Incubation time: 5 min	R4303
DUROTEST® S	Membrane strips for detection of non-durum wheat adulteration in semolina Detection limit: 3 % non-durum wheat	20 strips (80 determinations)	RBRP10



Histamine

Enzymatic test microtiter plates			
RIDASCREEN® Histamine (enzymatic) AOAC-RI in preparation	Enzymatic test in microtiter plate format for the quantitative determination of histamine in fish, canned fish, fish meal, wine, cheese and milk; for the sample preparation of wine it is recommended to use RIDA® Sample Decolorant (R1699) Detection limit: 0.75 - 3.75 mg/kg (ppm) histamine depending on matrix	96 determinations Incubation time: 15 min	R1605
Accessories			
RIDA® Sample decolorant	Reagents for the sample extraction of wine for histamine analysis using RIDASCREEN® Histamine (enzymatic)	1 Set (200 wine samples)	R1699
ELISA microtiter plates			
RIDASCREEN® Histamin	Competitive ELISA to quantify histamine in food Detection limit: 0.1 - 100 mg/kg histamine depending on matrix	96 determinations 48 determinations Incubation time: 1 hr 15 min	R1601 R1604

