

## Fluoroquinolone Residue Screening

Bioo Scientific offers the broadest range of kits for fluoroquinolone residue detection with the best cross reactivity available. A broad range of fluoroquinolone residues can be detected using the AuroFlow™ Fluoroquinolone Strip Test Kit for Meat, the AuroFlow™ Fluoroquinolone Strip Test Kit for Milk and the MaxSignal® Fluoroquinolone ELISA Test Kit. Additionally, Bioo Scientific offers sensitive ELISAs for specific quinolones including kits for the detection of enrofloxacin, ciprofloxacin, flumequine, norfloxacin, nalidixic acid, sarafloxacin, ofloxacin and oxolinic acid.

### Qualitative, Rapid Lateral Flow Test for the Detection of Fluoroquinolone Residues

#### #1102-01, -02; -03 | AuroFlow™ Fluoroquinolone Strip Test Kits | 96, 192 strips; 32 strips

The AuroFlow™ Fluoroquinolone Strip Test Kit for Meat and the AuroFlow™ Fluoroquinolone Strip Test Kit for Milk are qualitative and rapid lateral flow assays designed to detect fluoroquinolone antibiotic residues in meat and milk samples. These state-of-the-art tests use a broad-spectrum antibody capable of detecting a range of fluoroquinolone residues, and are designed for rapid field use or reference lab settings, requiring no expensive lab equipment such as heaters and centrifuges.

#### Detection Limits:

	Enrofloxacin	Ciprofloxacin	Difloxacin	Sarafloxacin	Norfloxacin	Marbofloxacin	Danofloxacin	Flumequine
#1102-03 Fluoroquinolone Strip Test for Meat	10-15 ppb	8-12 ppb	160-240 ppb	160-240 ppb	8-12 ppb	30-40 ppb	16-20 ppb	30-40 ppb
#1102-01; -02 Fluoroquinolone Strip Test for Milk	1.5-2.5 ppb	1-2 ppb	20-30 ppb	20-30 ppb	1-2 ppb	4-6 ppb	2-3 ppb	4-6 ppb

### ELISAs for the Detection of Fluoroquinolone Residues in Meat and Milk

#### #1024-01; -02 | MaxSignal® Fluoroquinolone ELISA Kits | 1 x 96 wells

Bioo Scientific offers two different MaxSignal® Fluoroquinolone ELISA Kits. Cat # 1024-01 is ideal for the detection of fluoroquinolone in meat samples, with a detection limit of 1 ppb. This kit offers enrofloxacin standards (0 / 0.1 / 0.25 / 0.5 / 1.0 / 5.0 ppb). Cat # 1024-02 can be used to detect fluoroquinolone in honey samples with a detection limit of 2.5 ppb. This kit offers norfloxacin standards (0 / 0.25 / 7.5 / 20 / 50 / 150 ppb).

#### Detection Limits:

	Egg	Honey	Feed	Fish/Shrimp	Meat/Liver/Kidney	Milk	Serum	Urine
#1024-01 Fluoroquinolone ELISA Test Kit	1.0 ppb	1.0 ppb	1.0 ppb	1.0 ppb (Rapid Method); 0.2 (Organic Solvent Method)	0.5 ppb	0.5 ppb	0.5 ppb	0.5 ppb

#### Cross Reactivity:

	Enrofloxacin	Ciprofloxacin	Danofloxacin	Norfloxacin	Enoxacin	Pipemidic Acid	Ofloxacin	Benofloxacin	Flumequin	Oxolinic Acid
#1024-01 Fluoroquinolone ELISA Test Kit	100%	100%	90%	45%	36%	31%	21%	10%	8%	7%

## Enrofloxacin ELISA for Feed, Meat, Milk, Tissue, Seafood, Serum and Urine Samples

### #1017-01; -04A | MaxSignal® Enrofloxacin ELISA Test Kits | 1 x 96 wells

Bioo Scientific offers two different enrofloxacin ELISAs; one for seafood and one for other samples. These kits provide a unique extraction method which is accurate, rapid, cost effective and easy to use. The MaxSignal® Enrofloxacin ELISA Test Kit (Cat # 1017-04A) is a one-step ELISA that includes a robust extraction protocol offering enrofloxacin and ciprofloxacin recovery rates of 75 - 95%. This kit was designed to offer a rapid affordable screening solution for seafood with a high sensitivity rate of 0.05 ppb and a low 0.1 ppb detection limit.

The MaxSignal® Enrofloxacin ELISA Test Kit (Cat # 1017-01) is used to detect enrofloxacin and its main metabolite ciprofloxacin in feed, honey, meat, milk, tissue, embryonic eggs, serum and urine samples, with a 0.5 ppb detection limit.

#### Detection Limits:

	Egg/Feed	Honey	Meat/Fish/Shrimp	Liver/Kidney/Embryonic Eggs	Milk	Serum	Urine/Water
#1017-01 Enrofloxacin ELISA Test Kit	1.0 ppb	2.0 ppb	1.0 ppb	1.0 ppb	0.5 ppb	0.5 ppb	0.5 ppb
#1017-04A Enrofloxacin ELISA Test Kit	-	-	2.0 ppb (Rapid Method); 0.5 ppb (Organic Reagent Method)	-	0.5 ppb	-	-

## ELISA for the Detection of Ciprofloxacin Residues in Food Samples

### #1068-01 | MaxSignal® Ciprofloxacin ELISA Test Kit | 1 x 96 wells

The MaxSignal® Ciprofloxacin ELISA Test Kit is a competitive colorimetric ELISA assay that enables the detection of ciprofloxacin at levels as low as 0.35 ppb in various sample types. The MaxSignal Ciprofloxacin ELISA Test Kit provides a unique extraction method which is accurate, rapid, cost-effective and easy to use.

#### Detection Limits:

	Feed	Meat/Liver/Kidney/Fish/Shrimp	Milk	Serum	Urine
#1068-01 Ciprofloxacin ELISA Test Kit (Organic Solvent Method)	0.525 ppb	0.525 ppb	0.7 ppb	0.7 ppb	0.7 ppb
#1068-01 Ciprofloxacin ELISA Test Kit (Rapid Method)	3.5 ppb	3.5 ppb	1.75 ppb	1.75 ppb	1.75 ppb

## Sensitive Norfloxacin ELISA with Consistent, Reproducible Results

### #1058-01 | MaxSignal® Norfloxacin ELISA Test Kit | 1 x 96 wells

The MaxSignal® Norfloxacin ELISA Test Kit enables the detection of norfloxacin in various sample types. It provides a unique extraction method which is accurate, rapid, cost effective and easy to use.

#### Detection Limits:

	Feed	Honey	Meat/Liver/Kidney/Fish/Shrimp	Milk	Serum	Urine
#1058-01 Norfloxacin ELISA Test Kit	1.0 ppb	2.0 ppb	1.0 ppb	0.5 ppb	0.5 ppb	0.5 ppb

## ELISA for the Detection of Nalidixic Acid in Animal Tissues

### #1204-01 | MaxSignal® Nalidixic Acid ELISA Test Kit | 1 x 96 wells

The MaxSignal® Nalidixic Acid ELISA Test Kit provides a rapid and robust test for the synthetic quinolone antibiotic Nalidixic Acid in animal tissue samples. The kit provides a unique extraction method for the analysis of shrimp, meat, and fish that gives rapid, cost-effective, and highly reproducible results.

#### Detection Limits:

	Shrimp	Fish	Meat
#1204-01 Nalidixic Acid ELISA Test Kit	5.0 ppb (Rapid Method); 0.3 ppb (Organic Extraction Method)	5.0 ppb (Rapid Method); 0.3 ppb (Organic Extraction Method)	5.0 ppb (Rapid Method); 0.3 ppb (Organic Extraction Method)

## ELISA for the Detection of Ofloxacin in Meat, Liver, Kidney, Fish and Shrimp

### #1113-01 | MaxSignal® Ofloxacin ELISA Test Kit | 1 x 96 wells

The MaxSignal® Ofloxacin ELISA Test Kit enables the detection of Ofloxacin residue contamination in various sample types at levels as low as 0.1 ppb.

#### Detection Limits:

	Meat/Liver/Kidney	Fish/Shrimp
#1113-01 Ofloxacin ELISA Test Kit	0.1 ppb (Organic Solvent Method); 2.0 ppb (Rapid Method)	0.1 ppb (Organic Solvent Method); 2.0 ppb (Rapid Method)

## ELISA for the Detection of Oxolinic Acid in Meat, Fish and Shrimp

### #1205-01 | MaxSignal® Oxolinic Acid ELISA Test Kit | 1 x 96 wells

The MaxSignal® Oxolinic Acid ELISA Test Kit enables government agencies, food manufacturers and quality assurance organizations to detect oxolinic acid residues at a concentration as low as 5 ppb and incorporates a rapid extraction method for shrimp, fish and meat samples with a high recovery rate.

#### Detection Limits:

	Shrimp	Fish	Meat
#1205-01 Oxolinic Acid ELISA Test Kit	2.5 ppb	2.5 ppb	2.5 ppb

## ELISA for Screening of Chicken, Fish, Shrimp and Milk Samples for Sarafloxacin Residues

### #1208-01 | MaxSignal® Sarafloxacin ELISA Test Kit | 1 x 96 wells

The MaxSignal® Sarafloxacin ELISA Test Kit enables the detection of sarafloxacin residues in chicken, fish, shrimp and milk samples.

#### Detection Limits:

	Egg	Honey	Feed	Fish/Shrimp	Meat/Liver/Kidney	Milk	Serum	Urine
#1208-01 Sarafloxacin ELISA Test Kit	1.0 ppb	1.0 ppb	1.0 ppb	1.0 ppb	1.0 ppb	0.5 ppb	0.5 ppb	0.5 ppb

## ELISA for the Screening of Flumequine Residues in Food Samples

### #1059-01 | MaxSignal® Flumequine ELISA Test Kit | 1 x 96 wells

The MaxSignal® Flumequine ELISA Test Kit enables the detection of flumequine residues in various sample types. The MaxSignal Flumequine ELISA Test Kit provides a unique extraction method, which is accurate, rapid, cost effective and easy to use.

#### Detection Limits:

	Feed	Meat/Liver/Kidney/Fish/Shrimp	Milk	Serum	Urine
#1059-01 Flumequine ELISA Test Kit (Organic Extraction Method)	1.0 ppb	0.5 ppb	1.0 ppb	1.0 ppb	1.0 ppb
#1059-01 Flumequine ELISA Test Kit (Rapid Method)	10.0 ppb	10.0 ppb	5.0 ppb	5.0 ppb	5.0 ppb

Bioo Scientific's quality management system has been certified to the international standards ISO 9001:2008