



Rapid Test of Veterinary Drug Residue in Tissue

Veterinary medicines are widely used in meat, poultry, fish, and other livestock production for the treatment of disease prevention of infection, and protection of animal growth in order to improve productivity. However, the treatment of farm animals with veterinary drugs such as antibiotics can result in drug residue in animal tissue and pose a health risk to consumers of animal food.

The analysis of veterinary drug residue is often challenging due to the complexity of the sample matrix and the diversity of different chemically based analytes. BIOEASY offers simple and efficient screening tests for veterinary drug residue, allowing all members of the food production chain (e.g. farmers, slaughterhouses, meat processors, and analytical laboratories) to screen food products quickly. Operator risk can be minimized, and sample preparation and testing time greatly reduced, increasing your efficiency while ensuring your food safety control.

Test Procedure

01



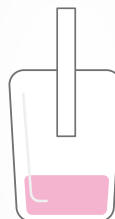
Sample Extraction & Purification

02



Add Detection Solution and Incubate microwell

03



Insert the test strip and incubate microwell and test strip

04



OR



Visual Interpretation or Reader Interpretation

Advantage

 Shorten the test time from hours to minutes	 Excellent sensitivity and high accuracy	 Simplified extraction and analysis methods	 Ease of use, no technical skills required
 User-friendly, on-site or in lab	 Cost-effective	 Wide range application, Multiple Matrices	 Multi-detection with one extraction sample

Product Category

More than 40 rapid tests are available for tissue to ensure food safety, and flexible sample pretreatment methods include SPE, Dilution method, Nitrogen blowing method, and Derivatization method. Contact BIOEASY for a complete product list.

Family	Compound	Application	LOD
Chloramphenicol	Chloramphenicol	Aquatic tissue, livestock and poultry tissue, poultry egg, honey	0.1ppb
Sulfonamide	Sulfadimidine, Sulfamethoxazole, Sulfamonomethoxine, Sulfamerazine free acid, Sulfachloropyridazine, Sladimethoxydiazine, Sulfamethizole, Sulfamoxole, Sulfaphenylpyridine, Sulfaphenazole, Sulfadimoxine, Sulfadiazine, Sulfaisoxazole, Sulfadimethoxine, Sulfaquinoxaline, Sulfapyridine, Sulfamethoxine, Sulfadoxine, Sulfathiazole, Sulfapyrazole, Sulfamethoxydiazine, Sulfadimidine, Benzenesulfonamide, Sulfadimethoxypyrimidine, Sulfamerazine, Sulfachlorpyridazine, Sulfamethoxypyridazine, Sulfisoxazole	Livestock and poultry tissue, poultry eggs, honey and urine	1-600ppb
Quinolone	Enrofloxacin, Danofloxacin, Ofloxacin, Marbofloxacin, Flumequine, Enoxacin, Oxolinic Acid, Norfloxacin, Ciprofloxacin, Sarafloxacin, Difloxacin, Lomefloxacin, Cinoxacin	Livestock and poultry tissue, poultry eggs, honey and urine	5-1200ppb
Tetracycline	Tetracycline, Chlortetracycline, Oxytetracycline, Doxycycline	Aquatic tissue, honey, livestock and poultry tissue	5-100ppb
Malachite Green & Crystal Violet	Malachite Green, Leucomalachite Green, Crystal Violet, Leucocrystal Violet	Aquatic Tissue	LOD 1:0.5ppb LOD 2:2 ppb
Nitrofurantoin Metabolites	Furazolidone Metabolite (AOZ), Furaltadone Metabolite (AMOZ), Nitrofurazone Metabolite (SEM), Nitrofurantoin Metabolite (AHD)	Aquatic Tissue, Livestock and Poultry Tissue, Egg	0.5 ppb
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BIOEASY

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