

Veterinary Drug Residues

The veterinary drug residues proficiency tests are separated according to the chemical class of drugs. The matrices are chosen as typical of those monitored for the chemical class of interest. Some matrices are chosen for the concentration of the drug in the animal, not necessarily the part of the animal that would be consumed. We intend to use material containing incurred residues from animal dosing studies where possible. Some test materials might be a combination of incurred and spiked residues, inclusive of major metabolites.

Incurred materials at high concentration are combined with blank matrix to produce the final test material. Blank test matrices are additionally provided where listed so that participants can produce exact matrix-matched calibration standards or for other quality control purposes.

Most of these proficiency tests are semi-blind, i.e. they incorporate both identification and quantification of a analytes from a given list of potential residues. The proficiency test reports include additional residues reported by participants and highlight where required residues were not detected.

Please note:

All tests have a short timescale for the submission of results.

dispatch date	product code	item code	matrix	analytes	approx. size	fee GBP
07/01/2019	FCVD20-SEA13	02365	fish muscle	sulphonamides	20 g	243
		02365b	blank fish muscle		20 g	74
14/01/2019	FCVD11-SEA13	02366	fish muscle	malachite green, leucomalachite green, total malachite green	20 g	243
	BLVD11-SEA2	02366b	blank fish muscle		20 g	74
04/02/2019	FCVD15-EGG2	02367	chicken eggs	quinolones & fluoroquinolones	20 g	243
19/02/2019	FCVD22-SEA20	02368	prawns	tetracyclines	20 g	243
	BLVD22-SEA4	02368b	blank prawns		20 g	74
26/03/2019	FCVD25-MRP8	02369	bovine muscle	sulphonamides & trimethoprim	20 g	243
02/04/2019	FCVD27-HON2	02370	honey	chloramphenicol, thiamphenicol, florfenicol, total phenicols	20 g	248
	BLVD27-HON1	02370b	blank honey		20 g	75
08/04/2019	FCVD15-SEA13	02371	fish muscle	quinolones & fluoroquinolones	20 g	248
	BLVD15-SEA2	02371b	blank fish muscle		20 g	75
08/04/2019	FCVD12-MRP32	02372	pig muscle	nitrofurans metabolites	20 g	248

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Veterinary Drug Residues (continued)

dispatch date	product code	item code	matrix	analytes	approx. size	fee GBP
20/05/2019	FCVD1-SEA13	02373	fish muscle	ivermectins	20 g	248
	BLVD1-SEA2	02373b	blank fish muscle		20 g	75
20/05/2019	FCVD17-MRP30	02374	pig liver	beta-agonists	20 g	248
04/06/2019	FCVD10-SEA13	02375	fish muscle	illegal dyes (vet. drugs)	20 g	248
	BLVD10-SEA2	02375b	blank fish muscle		20 g	75
24/06/2019	FCVD21-MRP9	02376	bovine urine	synthetic hormones	25 ml	248
	BLVD21-MRP46	02376b	blank bovine urine		25 ml	75
08/07/2019	FCVD26-MRP6	02377	bovine kidney	tetracyclines, aminoglycosides	40 g	248
23/07/2019	FCVD20-HON2	02378	honey	sulfonamides	20 g	248
	BLVD20-HON1	02378b	blank honey		20 g	75
05/08/2019	FCVD7-MRP17	02379	chicken muscle	coccidiostats	20 g	248
05/08/2019	FCVD13-MRP17	02380	chicken muscle	nitroimidazoles	20 g	248
27/08/2019	FCVD2-MRP7	02381	bovine liver	ivermectins, anthelmintics	40 g	248
23/09/2019	FCVD28-DRY4	02382	bovine milk	phenicols	25 ml	248
23/09/2019	FCVD18-DRY4	02383	bovine milk	beta-lactams	25 ml	248
14/10/2019	FCVD12-SEA20	02384	prawns	nitrofurans metabolites	20 g	248
	BLVD12-SEA4	02384b	blank prawns		20 g	75
14/10/2019	FCVD22-SEA13	02385	fish muscle	tetracyclines	20 g	248
	BLVD22-SEA2	02385b	blank fish muscle		20 g	75
21/10/2019	FCVD23-MRP37	02386	rabbit muscle	coccidiostats, sulfonamides	40 g	248
18/11/2019	FCVD3-SEA20	02387	prawns	chloramphenicol	20 g	248
	BLVD3-SEA4	02387b	blank prawns		20 g	75
18/11/2019	FCVD14-HON2	02388	honey	nitroimidazoles & aminoglycosides	40 g	248
	BLVD14-HON1	02388b	blank honey		20 g	75
09/12/2019	FCVD24-DRY4	02389	bovine milk	NSAIDs	25 ml	248

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Veterinary Drug Residues (continued)

dispatch date	product code	item code	matrix	analytes	approx. size	fee GBP
06/01/2020	FCVD11-SEA13	02390	fish muscle	malachite green, leucomalachite green, total malachite green	20 g	248
	BLVD11-SEA2	02390b	blank fish muscle		20 g	75
03/02/2020	FCVD15-HON2	02391	honey	quinolones, fluoroquinolones	20 g	248
	BLVD15-HON1	02391b	blank honey		20 g	75
17/02/2020	FCVD22-SEA20	02392	prawns	tetracyclines	20 g	248
	BLVD22-SEA4	02392b	blank prawns		20 g	75
23/03/2020	FCVD29-MRP6	02393	bovine kidney	sulphonamides, trimethoprim, macrolides	20 g	248

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Potential Veterinary Drug Residues

Potential veterinary drug residues in tests where only general categories are stated.

general category	potential residues
β-agonists	bromchlorbuterol, brombuterol, cimaterol, cimbuterol, clenbuterol, clenpenterol, clenproperol, hydroxyclenbuterol, hydroxymethylclenbuterol, isoxxsuprine, mabuterol, mapenterol, ractopamine, ritodrin, salbutamol, salmeterol, terbutaline, tulobuterol, total β-agonists
anthelmintics	albendazole-sulfone, albendazole-2-amino-sulfone, albendazole-sulfoxide, total albendazole, closantel, febantel, fenbendazole, oxfendazole, oxfendazole-sulfone, total oxfendazole-sulfone, flubendazole, aminoflubendazole, hydroxyflubendazole, total flubendazole, levamisole, mebendazole, hydroxymebendazole, aminomebendazole (mebendazole amine), total mebendazole, Nitroxinil (Nitroxynil), thiabendazole, 5-hydroxythiabendazole, total thiabendazole, triclabendazole, triclabendazole-sulfone, triclabendazole-sulfoxide, ketotriclabendazole, total triclabendazole, total avermectins, total benzimidazoles
ivermectins	abamectin (avermectin B1a only), doramectin, emamectin, eprinomectin, ivermectin, moxidectin, total avermectins
cephalosporins	cefalexin, cefalonium, cefapirin, desacetylcefapirin, cefazolin, cefoperazone, cefquinome
coccidiostats	clopidol, decoquinate, diclazuril, DNC (nicarbazin component), halofuginone, lasalocid, maduramycin, monensin, narasin, robenidine, salinomycin, semduramycin, toltrazuril-sulfone, total coccidiostats
glucocorticoids	betamethasone, dexamethasone, prednisolone, total glucocorticoids, malachite green
illegal dyes (veterinary drugs)	leucomalachite green, total malachite green, crystal violet, leucocrystal violet, total crystal violet, brilliant green, total veterinary dyes
nitrofurantoin metabolites	AHD (bound), AHD (total), AOZ (bound), AMOZ (bound), AMOZ (total), SEM (bound), SEM (total), total nitrofurantoin metabolites
nitroimidazoles	dimetridazole, 2-hydroxy dimetridazole (HMMNI), ipronidazole, 2-hydroxy ipronidazole, metronidazole, 2-hydroxy metronidazole, ronidazole, total nitroimidazoles
non-steroidal anti-inflammatory drugs (NSAIDs)	carprofen, diclofenac, flunixin, 5-hydroxyflunixin, ibuprofen, ketoprofen, meloxicam, naproxen, niflumic acid, oxyphenylbutazone, phenylbutazone, tolfenamic acid, vedaprofen, total NSAIDs
penicillins	amoxicillin, ampicillin, benzyl penicillin (penicillin G), penicillin V, cloxacillin, dicloxacillin, nafcillin, oxacillin
quinolones & fluoroquinolones	flumequine, nalidixic acid, oxolinic acid, ciprofloxacin, danofloxacin, difloxacin, enrofloxacin, marbofloxacin, norfloxacin, sarafloxacin, total quinolones
sulfonamides	sulfachloropyridazine, sulfadiazine, sulfadimethoxine, sulfadimidine (sulfamethazine), sulfadoxine, sulfaguanidine, sulfamerazine, sulfamethizole, sulfamethoxazole, sulfamethoxypyridazine, sulfamonomethoxine, sulfamoxole, sulfanilamide, sulfapyridine, sulfaquinoxaline, sulfathiazole, sulfisoxazole, total sulfonamides
synthetic hormones	alpha-Boldenone, methylboldenone, diethylstilbestrol (DES), dienestrol, hexoestrol, methyltestosterone, alpha-Nortestosterone, stanozolol, 16beta-hydroxystanozolol, alpha-trenbolone, beta-trenbolone, zeranol (alpha-zearalanol), taleranol (beta-zearalanol), total synthetic hormones
tetracyclines	total chlortetracycline (parent + epimer), doxycycline, total oxytetracycline (parent + epimer), total tetracycline (parent + epimer), total tetracyclines (all)
aminoglycosides	apramycin, dihydrostreptomycin, gentamicin, kanamycin, neomycin, paromomycin, spectinomycin, streptomycin, total aminoglycosides
gestagens	altrenogest, chlormadinone, medroxyprogesterone, megestrol, melengestrol, total gestagens
macrolides	3-O-acetyltylosin, erythromycin, gamithromycin, josamycin, lincomycin, oleandamycin, pirlimycin, rifampicin, spiramycin, tildipirosin, tilmicosin, tulathromycin, tylosin A, tylosin B, total tylosin, tylvalosin (aivlosin), virginiamycin, total macrolides
natural hormones	boldenone, 17beta-boldenone conjugate, ethinylestradiol, 17beta-oestradiol (estradiol), 17alpha-19-nortestosterone, 17beta-19-nortestosterone (nandrolone), 17beta-testosterone, 17alpha-trenbelone, 17beta-trenbelone, total natural hormones
phenicols	chloramphenicol, florfenicol, florfenicol-amine, thiamphenicol
thyrostatics	6-methyl-2-thiouracil (methylthiouracil), dimethylthiouracil, ethylthiouracil, methimazole (tapazole), mercaptobenzimidazole, thiouracil, phenylthiouracil, propylthiouracil, total thyrostatics
tranquilizers	acepromazine, azaperol, azaperone, carazolol, chlorpromazine hydrochloride, haloperidol, propionylpromazine hydrochloride, xylazine, total tranquilizers

