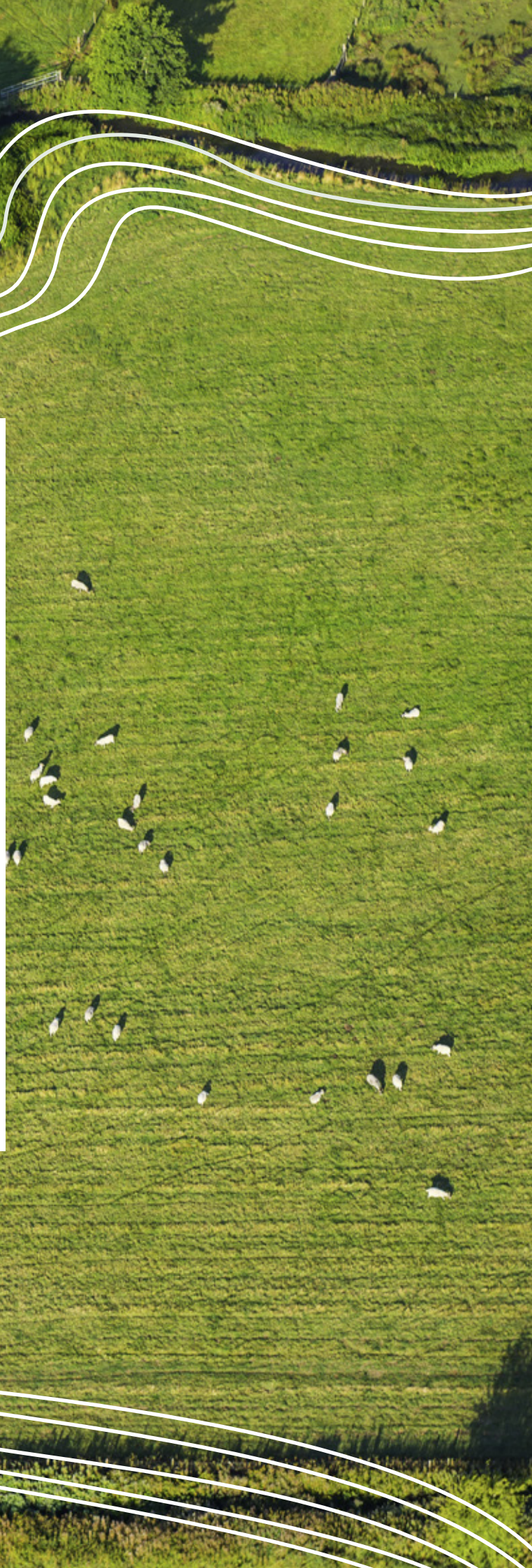




OUR SMARTER SOLUTIONS. YOUR SAFER FOOD CHAIN.

Veterinary Residues
Reference standards for
testing residues of veterinary
medicinal products

LGC Quality | ISO 9001 | ISO/IEC 17025
ISO 17034/ISO Guide 34 | ISO/IEC 17043



ABOUT US

Our high standards make your world safer.

At Dr. Ehrenstorfer™ we're a global leader in the production and distribution of reference materials. Our procedures are accredited under ISO/IEC 17025 and ISO 17034/ISO Guide 34, guaranteeing high quality reference standards.

LGC is also a leading provider of Proficiency Testing, which, together with our reference materials enables laboratories worldwide to monitor the quality of their analytical results. Partnering with specialist suppliers, we offer the most comprehensive range of certified reference materials, matrix materials and quality control materials.

VETERINARY RESIDUES

What you need to know

Veterinary medicines are essential for farming and animal welfare. They can help prevent and cure disease, however their use can leave residues in food. Animal products can also contain residues of pesticides and other environmental contaminants, so monitoring systems are in place to detect the illegal use or misuse of authorised veterinary medicines in food producing animals. EU Directive 96/23/EC sets out the requirements for residue monitoring plans and establishes the range of substances to be tested.

Non-EU countries exporting food to the EU must implement monitoring programmes which comply with equivalent food safety levels, and these substances are often tested globally. At Dr. Ehrenstorfer, we provide a comprehensive range of high quality reference standards, matrix materials and proficiency testing schemes, giving you the tools and confidence you need.

Our Dr. Ehrenstorfer range features around 1000 pharmaceutical and veterinary compounds. We also offer stable isotope labelled compounds which can be added to samples to negate the 'matrix effects' often observed with mass spectrometric techniques such as LC-MSMS.

We've listed a range of commonly tested compounds together with the recommended products available from LGC. Many additional products are available in a range of formats, so please let us know if the products you see here aren't exactly what you need.

If you're looking for pre-prepared solutions and mixtures but can't find what you need, we can help. Our customised standard preparation service for individual compounds and mixtures provides a cost effective solution that's tailored to you.



COMMONLY TESTED COMPOUNDS

- 96/23/EC Annex 1 Group A

The table below lists example products for compounds that are covered by 96/23/EC Annex 1 Group A. Products have been grouped by compound sub-class and where stable isotope analogues are available they have been listed at the end of each sub-class section.

Compound group	Example product code	Description	Pack size
A1 - Stilbenes	DRE-C12607000	Diethylstilbestrol	100mg
A1 - Stilbenes	DRE-C12598000	Dienestrol	25mg
A1 - Stilbenes	DRE-C14202800	Hexestrol	100mg
A2 -Thyreostats	DRE-C17561500	2-Thiouracil	250mg
A2 -Thyreostats	DRE-C15144300	6-Methyl-2-thiouracil	100mg
A2 -Thyreostats	DRE-C16530500	6-Propyl-2-thiouracil	250mg
A2 -Thyreostats	LGCFOR0889.00	Thiamazole	10mg
A3 - Steroids	LGCFOR1199.00	17a, 19-Nortestosterone (Norethandrolone)	10mg
A3 - Steroids	DRE-C15652000	19-Nortestosterone	100mg
A3 - Steroids	LGCFOR0323.07	Androsta-1,4-diene-3,17-dione (ADD)	10mg
A3 - Steroids	DRE-C10255030	4-Androstene-3,17-dione (AED)	100mg
A3 - Steroids	DRE-C10144000	Altrenogest	100mg
A3 - Steroids	DRE-C10662000	Boldenone	10mg
A3 - Steroids	DRE-C11418500	Chloromadinon 17-acetate	100mg
A3 - Steroids	TRC-D230665-5MG	Delmadinone acetate	5mg
A3 - Steroids	DRE-C13283000	Ethisterone	100mg
A3 - Steroids	DRE-C13245100	17a-Ethinylestradiol	250mg
A3 - Steroids	LGCFOR0959.00	Fluoxymesterone	10mg
A3 - Steroids	DRE-C14852015	Medroxyprogesterone-17-acetate	100mg
A3 - Steroids	DRE-C16903000	Salbutamol free base	100mg
A3 - Steroids	DRE-C14861700	Melengestrol acetate	100mg
A3 - Steroids	DRE-C15144000	17-alpha-Methyltestosterone	100mg
A3 - Steroids	LGCFOR1199.00	Norethandrolone	10mg
A3 - Steroids	LGCFOR0122.00	Norgestrel	10mg
A3 - Steroids	DRE-C13213100	17-beta-Estradiol	250mg
A3 - Steroids	DRE-C16342000	Progesterone	250mg
A3 - Steroids	DRE-C16974000	Stanozolol	100mg
A3 - Steroids	DRE-C17322500	Testosterone	250mg
A3 - Steroids	DRE-CA17607700	Trenbolone	100mg
A4 - Resorcylic acid lactones	B-MYC1240-1	alpha-Zearalenol 10 µg/mL in Acetonitrile	1ml
A4 - Resorcylic acid lactones	B-MYC1260-1	beta-Zearalenol 10 µg/mL in Acetonitrile	1ml
A4 - Resorcylic acid lactones	B-MYC1220-1	beta-Zearalanol (Taleranol) 10 µg/mL in Acetonitrile	1ml
A4 - Resorcylic acid lactones	B-MYC0600-2	Zearalenone 100 µg/mL in Acetonitrile	2ml
A4 - Resorcylic acid lactones	DRE-C17948000	Zeranol (mixture of isomers)	10mg
A4 – RALs Stable isotopes	B-MYC0610-1.2	Zearalenone (U-13C18) 25 µg/mL in Acetonitrile	1.2ml
A5 – Beta agonists	DRE-C10418500	Bambuterol hydrochloride	10mg
A5 – Beta agonists	DRE-C10683000	Brombuterol hydrochloride	10mg
A5 – Beta agonists	DRE-C11666350	Cimaterol	10mg
A5 – Beta agonists	DRE-C11666400	Cimbuterol	10mg
A5 – Beta agonists	DRE-C11668550	Clenbuterol hydrochloride	100mg
A5 – Beta agonists	TRC-C572500-10MG	Clencyclohexerol	10mg

Compound group	Example product code	Description	Pack size
A5 – Beta agonists	FL-32580-10MG	Clenhexerol	10mg
A5 – Beta agonists	DRE-C11668700	Clenpenterol hydrochloride	10mg
A5 – Beta agonists	DRE-C11668740	Clenproperol	10mg
A5 – Beta agonists	LGCFOR3074.00	Fenoterol Hydrobromide	5mg
A5 – Beta agonists	LGCFOR0447.00	Formoterol Fumarate Dihydrate	10mg
A5 – Beta agonists	DRE-C11668565	Clenbuterol-hydroxymethyl	10mg
A5 – Beta agonists	LGCFOR0576.00	Isoxsuprine Hydrochloride	10mg
A5 – Beta agonists	DRE-C14660000	Mabuterol hydrochloride	50mg
A5 – Beta agonists	DRE-C14754000	Mapenterol hydrochloride	5mg
A5 – Beta agonists	DRE-C14947500	Metaproterenol hemisulfate salt	100mg
A5 – Beta agonists	LGCFOR0148.00	Orciprenaline Sulfate	10mg
A5 – Beta agonists	LGCFOR3196.00	Pirbuterol Dihydrochloride	10mg
A5 – Beta agonists	DRE-C16805000	Ractopamine hydrochloride	100mg
A5 – Beta agonists	LGCFOR0800.00	Ritodrine Hydrochloride	10mg
A5 – Beta agonists	DRE-C16903000	Salbutamol free base	100mg
A5 – Beta agonists	DRE-C16904920	Salmeterol Xinafoate*	250mg
A5 – Beta agonists	DRE-C17295000	Terbutalin sulfate	100mg
A5 – Beta agonists	DRE-C17895400	Tulobuterol hydrochloride	50mg
A5 – Beta agonists	TRC-Z430000-10MG	Zilpaterol	10mg
A5 – Beta agonists Stable isotopes	DRE-C11666352	Cimaterol D7	10mg
A5 – Beta agonists Stable isotopes	DRE-C11668561	(±)-Clenbuterol D9 (trimethyl D9)	25mg
A5 – Beta agonists Stable isotopes	DRE-C11668742	Clenproperole D7	10mg
A5 – Beta agonists Stable isotopes	DRE-XA16903001AL	Salbutamol D3 (3-hydroxymethyl-D2;a D1) 100 ng/μl in Acetonitrile	1ml
A6 – Nitromidazoles	DRE-C12772000	Dimetridazole	250mg
A6 – Nitromidazoles	DRE-C14370720	Ipronidazole-hydroxy	10mg
A6 – Nitromidazoles	DRE-C15201300	Metronidazole-hydroxy	10mg
A6 – Nitromidazoles	DRE-C15201000	Metronidazole	250mg
A6 – Nitromidazoles	DRE-C15746000	Ornidazole	100mg
A6 – Nitromidazoles	DRE-C16815500	Ronidazol	100mg
A6 – Nitromidazoles Stable isotopes	DRE-C12772010	Dimetridazole D3	10mg
A6 – Nitromidazoles Stable isotopes	DRE-C14370701	Ipronidazole D3	10mg
A6 – Nitromidazoles Stable isotopes	DRE-C15201001	Metronidazole D4 (ethylene D4)	10mg
A6 – Nitromidazoles Stable isotopes	DRE-C16815501	Ronidazole D3	10mg
A6 – Nitrofurans	DRE-C10203200	1-Aminohydantoin hydrochloride	100mg
A6 – Nitrofurans	DRE-C10206300	3-Amino-5-morpholinomethyl-2-oxazolidinone (AMOZ)	50mg
A6 – Nitrofurans	DRE-C10209000	3-Amino-2-oxazolidinone AOZ	50mg
A6 – Nitrofurans	DRE-C15523130	Nifursol-desfurfuryliden	100mg

* short expiry date due to chemical nature of component

Compound group	Example product code	Description	Pack size
A6 – Nitrofurans	DRE-C13963000	Furaltadone hydrochloride	100mg
A6 – Nitrofurans	DRE-C13970200	Furazolidone	250mg
A6 – Nitrofurans	DRE-C15523100	Nifursol	100mg
A6 – Nitrofurans	DRE-C15570900	Nitrofurantoin	250mg
A6 – Nitrofurans	DRE-C15571000	Nitrofurazone	250mg
A6 – Nitrofurans	DRE-C15654450	2-NP-AHD	10mg
A6 – Nitrofurans	DRE-C15654480	2-NP-AMTZ	10mg
A6 – Nitrofurans	DRE-C15654500	2-NP-AOZ	10mg
A6 – Nitrofurans	DRE-C15654520	2-NP-SCA	10mg
A6 – Nitrofurans	DRE-C16933500	Semicarbazide hydrochloride	100mg
A6 – Nitrofurans Stable isotopes	DRE-XA10203190AL	1-Aminohydantoin (2,4,5-13C3) 100 ng/μL in Acetonitrile	1.1ml
A6 – Nitrofurans Stable isotopes	DRE-C10209010	3-Amino-2-oxazolidinone (AOZ) D4	10mg
A6 – Nitrofurans Stable isotopes	DRE-C10206310	3-Amino-5-morpholinomethyl-2-oxazolidinone D5 (AMTZ D5)	10mg
A6 – Chloramphenicol	DRE-C11120000	Chloramphenicol	250mg
A6 – Chloramphenicol Stable isotope	DRE-C11120100	Chloramphenicol D5 (ring D4, benzyl D)	10mg
A6 – Dapsone	DRE-C11963000	Dapsone	250mg
A6 - Chlorpromazine	DRE-C11575000	Chlorpromazine hydrochloride	250mg
A6 – Chlorpromazine Stable isotope	LGCAMP0420.80-02	Chlorpromazine-D3 0.1 mg/ml in Methanol	1ml

COMMONLY TESTED COMPOUNDS - 96/23/EC Annex 1 Group B

The table below lists example products for compounds that are covered by 96/23/EC Annex 1 Group B. Products have been grouped by compound sub-class and where stable isotope analogues are available they have been listed at the end of each sub-class section.

Products for the following subclasses within “B3 - other substances and environmental contaminants” have not been listed here:

Group B3a – Organochlorine compounds including PCBs

Group B3b – Organophosphorus compounds

The Dr. Ehrenstorfer pesticide and contaminant range includes over 3000 products including organochlorines, PCBs and organophosphorus compounds. Please see our website lgcstandards.com/foodandenvironment or the Dr. Ehrenstorfer catalogue for full product details and more information.

Products for the Group B3c – Chemical elements subclass can be found in LGC’s VHG aqueous inorganic standards range, which includes single element and multi element standards, prepared in our ISO 17034 facility and assayed using NIST HP-ICP-AES methodology. Please see our website lgcstandards.com/foodandenvironment or VHG catalogue for full product details and more information.

Compound group	Example product code	Description	Pack size
B1 - Antimicrobials	DRE-C10242500	Amoxicillin trihydrate	250mg
B1 - Antimicrobials	DRE-C10243080	Ampicillin trihydrate	100mg
B1 - Antimicrobials	DRE-C10293000	Apramycin sulfate	250mg
B1 - Antimicrobials	DRE-C10418000	Bacitracin	250mg
B1 - Antimicrobials	DRE-C15935000	Penicilline G potassium salt	250mg
B1 - Antimicrobials	DRE-C11064100	Cefazolin sodium salt	100mg
B1 - Antimicrobials	DRE-C11064300	Cefoperazone sodium salt	100mg
B1 - Antimicrobials	DRE-C11064700	Cefquinome sulfate	100mg
B1 - Antimicrobials	DRE-C11065000	Ceftiofur	100mg
B1 - Antimicrobials	DRE-C11065300	Cefuroxime sodium salt	100mg
B1 - Antimicrobials	DRE-C11064000	Cefalexin monohydrate	250mg
B1 - Antimicrobials	DRE-C11509100	Chlorotetracycline hydrochloride	250mg
B1 - Antimicrobials	DRE-C11668500	Ciprofloxacin hydrochloride	100mg
B1 - Antimicrobials	DRE-C11668545	Clavulanic acid potassium salt	100mg
B1 - Antimicrobials	DRE-C11692100	Cloxacillin sodium salt hydrate	250mg
B1 - Antimicrobials	DRE-C11693500	Colistin sulfate	100mg
B1 - Antimicrobials	DRE-C11960500	Danofloxacin mesylate	100mg
B1 - Antimicrobials	DRE-C12128000	Demeclocycline hydrochloride	100mg
B1 - Antimicrobials	DRE-C12560500	Dicloxacillin sodium hydrate	100mg
B1 - Antimicrobials	DRE-C12627000	Difloxacin hydrochloride	100mg
B1 - Antimicrobials	DRE-C12635300	Dihydrostreptomycin sesquisulfate	100mg
B1 - Antimicrobials	DRE-C13084280	Doxycycline hyclate	100mg
B1 - Antimicrobials	DRE-C13170000	Enrofloxacin	100mg
B1 - Antimicrobials	DRE-C13665000	Florfenicol	250mg
B1 - Antimicrobials	DRE-C13718000	Flumequin	250mg
B1 - Antimicrobials	DRE-C14000200	Gentamycin sulfate	250mg
B1 - Antimicrobials	DRE-C14505520	Kanamycin sulfate	100mg
B1 - Antimicrobials	DRE-C14755000	Marbofloxacin	100mg
B1 - Antimicrobials	DRE-C15402500	Nafcillin sodium salt monohydrate	100mg
B1 - Antimicrobials	DRE-C15412000	Nalidixic acid	100mg
B1 - Antimicrobials	DRE-C15500900	Neomycin sulfate	100mg
B1 - Antimicrobials	DRE-C15648000	Norfloxacin	100mg
B1 - Antimicrobials	DRE-C15755100	Oxacillin sodium salt monohydrate	100mg
B1 - Antimicrobials	DRE-C15788000	Oxolinic acid	250mg
B2 - Antimicrobials	DRE-C15717000	Ofloxacin	100mg
B1 - Antimicrobials	DRE-C15820000	Oxytetracycline hydrochloride	250mg
B1 - Antimicrobials	DRE-C15893500	Paromomycin sulfate	100mg
B1 - Antimicrobials	DRE-C15935010	Penicilline V potassium salt	100mg
B1 - Antimicrobials	DRE-C16908000	Sarafloxacin hydrochloride	100mg
B1 - Antimicrobials	DRE-C16972700	Spectinomycin dihydrochloride hydrate	250mg
B1 - Antimicrobials	DRE-C16972900	Spiramycin	100mg
B1 - Antimicrobials	DRE-CA16974900	Streptomycin sulfate	250mg
B1 - Antimicrobials	DRE-C16990100	Sulfachloropyridazine	250mg
B1 - Antimicrobials	DRE-C16990500	Sulfadiazin	100mg
B1 - Antimicrobials	DRE-C16990550	Sulfadimethoxine	250mg

Compound group	Example product code	Description	Pack size
B1 - Antimicrobials	DRE-C16990600	Sulfadoxin	100mg
B1 - Antimicrobials	DRE-C16995100	Sulfamerazine	250mg
B1 - Antimicrobials	DRE-C16996500	Sulfamethazine	250mg
B1 - Antimicrobials	DRE-C16998100	Sulfamethoxazole	250mg
B1 - Antimicrobials	DRE-C16998150	Sulfamethoxypyridazine	250mg
B1 - Antimicrobials	DRE-C16998180	Sulfamonomethoxine sodium	100mg
B1 - Antimicrobials	DRE-C17000000	Sulfanilamide	250mg
B1 - Antimicrobials	DRE-C17000100	Sulfapyridine	250mg
B1 - Antimicrobials	DRE-C16990000	Sulfachinoxalin	250mg
B1 - Antimicrobials	DRE-C17000200	Sulfathiazole	250mg
B1 - Antimicrobials	DRE-C17396150	Tetracycline hydrochloride	250mg
B1 - Antimicrobials	DRE-C17457000	Thiamphenicol	100mg
B1 - Antimicrobials	DRE-C17575790	Tiamulin	100mg
B1 - Antimicrobials	DRE-C17582000	Tilmicosin	100mg
B1 - Antimicrobials	DRE-C17875000	Trimethoprim	250mg
B1 - Antimicrobials	DRE-C17895600	Tylosin tartrate	250mg
B1 - Antimicrobials	TRC-T898210-5MG	Tylvalosin (Acetylisovaleryltylosin)	5mg
B1 – Antimicrobials Stable isotopes	DRE-C10024051	Acetylsulfamethoxazole D4	10mg
B1 – Antimicrobials Stable isotopes	DRE-C11668501	Ciprofloxacin D8 hydrochloride	10mg
B1 – Antimicrobials Stable isotopes	DRE-XA12537010AC	Diclofenac D4 acid 100 ng/μL in Acetone*	1.1ml
B1 – Antimicrobials Stable isotopes	DRE-C13170100	Enrofloxacin D5 hydrochloride	10mg
B1 – Antimicrobials Stable isotopes	DRE-C15648010	Norfloxacin D5	10mg
B1 – Antimicrobials Stable isotopes	DRE-C15717010	Ofloxacin D3 hydrochloride	10mg
B1 – Antimicrobials Stable isotopes	DRE-C16908001	Sarafloxacin D8 hydrochloride trihydrate	10mg
B1 – Antimicrobials Stable isotopes	DRE-XA16990102AL	Sulfachloropyridazine 13C6 100 mg/mL in Acetonitrile	1ml
B1 – Antimicrobials Stable isotopes	DRE-C16990551	Sulfadimethoxine D6 (2,6-dimethoxy D6)	10mg
B1 – Antimicrobials Stable isotopes	DRE-C16995110	Sulfamerazine D4	10mg
B1 – Antimicrobials Stable isotopes	DRE-C16998110	Sulfamethoxazole D4 (benzene D4)	10mg
B1 – Antimicrobials Stable isotopes	DRE-C17875010	Trimethoprim D3 (4-methoxy D3)	10mg
B2a - Anthelmintics	DRE-CA10001000	Abamectin*	100mg

* short expiry date due to chemical nature of component.

Compound group	Example product code	Description	Pack size
B2a - Anthelmintics	DRE-C10065000	Albendazole	100mg
B2a - Anthelmintics	DRE-C10065300	Albendazole sulfone	10mg
B2a - Anthelmintics	DRE-C10065400	Albendazole sulfoxide	10mg
B2a - Anthelmintics	DRE-C10065200	Albendazole-2-aminosulfone	50mg
B2a - Anthelmintics	DRE-C10937000	Cambendazol	10mg
B2a - Anthelmintics	DRE-C10990000	Carbendazim	250mg
B2a - Anthelmintics	DRE-C11691500	Closantel	100mg
B2a - Anthelmintics	DRE-CA13083000	Doramectin*	100mg
B2a - Anthelmintics	DRE-CA13117000	Emamectin benzoate	100mg
B2a - Anthelmintics	DRE-CA13187000	Eprinomectin	100mg
B2a - Anthelmintics	DRE-C13407000	Febantel	100mg
B2a - Anthelmintics	DRE-C13446000	Fenbendazole	100mg
B2a - Anthelmintics	DRE-C13678000	Flubendazole	100mg
B2a - Anthelmintics	DRE-CA14488000	Ivermectine	100mg
B2a - Anthelmintics	DRE-C14629700	Levamisol hydrochloride	250mg
B2a - Anthelmintics	DRE-C14798000	Mebendazole	100mg
B2a - Anthelmintics	DRE-CA15335000	Moxidectin	25mg
B2a - Anthelmintics	DRE-C15617000	Nitroxynil	100mg
B2a - Anthelmintics	DRE-C15783000	Oxfendazole	100mg
B2a - Anthelmintics	DRE-C15784000	Oxibendazole	100mg
B2a - Anthelmintics	DRE-C15793000	Oxyclozanide	100mg
B2a - Anthelmintics	DRE-C15892000	Parbendazole	25mg
B2a - Anthelmintics	DRE-C16805200	Rafoxanide	100mg
B2a - Anthelmintics	DRE-C17414500	Tetramisole hydrochloride	100mg
B2a - Anthelmintics	DRE-C17450000	Thiabendazole	250mg
B2a - Anthelmintics	DRE-C17795000	Triclabendazole	100mg
B2a - Anthelmintics	DRE-C17795010	Triclabendazole sulfone	50mg
B2a - Anthelmintics	DRE-C17795020	Triclabendazole sulfoxide	50mg
B2a – Anthelmintics Stable isotopes	DRE-C13678010	Flubendazole D3	10mg
B2a – Anthelmintics Stable isotopes	DRE-C14798010	Mebendazole D3	10mg
B2b - Anticoccidials	DRE-C12097000	Decoquinate	100mg
B2b - Anticoccidials	DRE-C12533000	Diclazuril	100mg
B2b - Anticoccidials	DRE-C14284500	Imidocarb	50mg
B2b - Anticoccidials	DRE-XA14593000AL	Lasalocid A sodium salt 100 µg/mL in Acetonitrile	1ml
B2b - Anticoccidials	DRE-CA14670000	Maduramicin ammonium salt	100mg
B2b - Anticoccidials	DRE-C15291000	Monensin sodium salt hydrate	100mg
B2b - Anticoccidials	DRE-C15508000	Nicarbazine	100mg
B2b - Anticoccidials	DRE-C16815400	Robenidine hydrochloride	100mg
B2b - Anticoccidials	DRE-C16904500	Salinomycin sodium salt	100mg
B2b - Anticoccidials	DRE-C17592000	Toltrazuril	100mg

* short expiry date due to chemical nature of component.

Compound group	Example product code	Description	Pack size
B2b - Anticoccidials	DRE-C16283700	Ponazuril	10mg
B2b - Anticoccidials	DRE-C17592040	Toltrazuril-sulfoxide	10mg
B2b – Anticoccidials Stable isotopes	DRE-C12097010	Decoquinat D5	10mg
B2d - Sedatives	DRE-C10010300	Acepromazine maleate salt	100mg
B2d - Sedatives	DRE-C10340500	Azaperol	10mg
B2d - Sedatives	DRE-C10340510	Azaperone	50mg
B2d - Sedatives	DRE-C10931900	n-Butyrophenone	250mg
B2d - Sedatives	DRE-C10968000	Carazolol	10mg
B2d - Sedatives	TRC-C183480-5MG	Carfentanil	5mg
B2d - Sedatives	DRE-C11575000	Chlorpromazine hydrochloride	250mg
B2d - Sedatives	LGCFOR0023.00	Diazepam	10mg
B2d - Sedatives	LGCFOR0144.00	Ketamine Hydrochloride	10mg
B2d - Sedatives	DRE-C16494500	Propionylpromazine hydrochloride	10mg
B2d - Sedatives	DRE-C17943500	Xylazine hydrochloride	100mg
B2d – Sedatives Stable isotopes	DRE-C10010320	Acepromazine D6 maleate	10mg
B2d – Sedatives Stable isotopes	DRE-C10340512	Azaperone D4	10mg
B2d – Sedatives Stable isotopes	DRE-C10968010	Carazolol D7	10mg
B2e - NSAIDs	DRE-C11045850	Carprofen	100mg
B2e - NSAIDs	DRE-C12537500	Diclofenac sodium	100mg
B2e - NSAIDs	LGCFOR0410.00	Flufenamic Acid	10mg
B2e - NSAIDs	DRE-C13726900	Flunixin	10mg
B2e - NSAIDs	DRE-C14278000	Ibuprofen	250mg
B2e - NSAIDs	DRE-C14532100	Ketoprofen	100mg
B2e - NSAIDs	DRE-C14860200	Mefenamic acid	250mg
B2e - NSAIDs	DRE-C14862500	Meloxicam	100mg
B2e - NSAIDs	DRE-C15483500	Naproxen	250mg
B2e - NSAIDs	LGCFOR0933.00	Oxyphenbutazone Monohydrate	10mg
B2e - NSAIDs	DRE-C16056500	Phenylbutazone	100mg
B2e - NSAIDs	DRE-C17591000	Tolfenamic acid	100mg
B2e – NSAIDs Stable isotopes	DRE-C13727010	Flunixin D3 (methyl D3)	10mg
B2e - NSAIDs Stable isotopes	DRE-XA14532110AL	(±)-Ketoprofen D3 (propionic D3 acid) 100 µg/mL in Acetonitrile	1ml
B2e – NSAIDs Stable isotopes	DRE-C14862510	Meloxicam D3 (2-methyl D3)	50mg
B2f - Corticosteroids	LGCFOR0199.00	Beclometasone Dipropionate	10mg
B2f - Corticosteroids	DRE-C10575000	Betamethasone	100mg
B2f - Corticosteroids	DRE-C14224000	Hydrocortisone	250mg
B2f - Corticosteroids	DRE-C11705400	Cortisone	500mg
B2f - Corticosteroids	DRE-C12170400	Dexamethasone	100mg
B2f - Corticosteroids	TRC-F500485-10MG	Flunisolide	10mg
B2f - Corticosteroids	DRE-C15141700	6-alpha-Methylprednisolone	50mg
B2f - Corticosteroids	DRE-C16286500	Prednisolone	250mg

Compound group	Example product code	Description	Pack size
B2f - Corticosteroids	DRE-C16286550	Prednison	100mg
B2f - Corticosteroids	DRE-C17635000	Triamcinolone acetonide	100mg
B2f - Other pharmacologically active substances	DRE-C15143300	3-Methyl-quinoxaline-2-carboxylic acid	10mg
B2f - Other pharmacologically active substances	DRE-C10968300	Carbadox	100mg
B2f - Other pharmacologically active substances	DRE-C15724000	Olaquinox	100mg
B2f - Other pharmacologically active substances	DRE-C16713000	2-Quinoxalinecarboxylic acid	100mg
B3d - Mycotoxins	B-MYC0200-2	Aflatoxin B1 2 µg/mL in Acetonitrile	2ml
B3d - Mycotoxins	B-MYC0220-2	Aflatoxin B2 0.5 µg/mL in Acetonitrile	2ml
B3d - Mycotoxins	B-MYC0240-2	Aflatoxin G1 2 µg/mL in Acetonitrile	2ml
B3d - Mycotoxins	B-MYC0260-2	Aflatoxin G2 0.5 µg/mL in Acetonitrile	2ml
B3d - Mycotoxins	B-MYC0280-2	Aflatoxin M1 0.5 µg/mL in Acetonitrile	2ml
B3d - Mycotoxins	B-MYC0490-2	Ochratoxin A 10 µg/mL in Acetonitrile	2ml
B3d – Mycotoxins Stable isotopes	B-MYC0210-1.2	Aflatoxin B1 (U-13C17) 0.5 µg/mL in Acetonitrile	1.2ml
B3d – Mycotoxins Stable isotopes	B-MYC0230-1.2	Aflatoxin B2 (U-13C17) 0.5 µg/mL in Acetonitrile	1.2ml
B3d – Mycotoxins Stable isotopes	B-MYC0250-1.2	Aflatoxin G1 (U-13C17) 0.5 µg/mL in Acetonitrile	1.2ml
B3d – Mycotoxins Stable isotopes	B-MYC0270-1.2	Aflatoxin G2 (U-13C17) 0.5 µg/mL in Acetonitrile	1.2ml
B3d – Mycotoxins Stable isotopes	B-MYC7080-1.2	Aflatoxin M1 (U-13C17) 0.5 µg/mL in Acetonitrile	1.2ml
B3e - Dyes	DRE-C10427500	Basic Violet 3	100mg
B3e - Dyes	DRE-C14629400	Leucocrystal Violet	100mg
B3e - Dyes	DRE-C14629500	Leucomalachite green	100mg
B3e - Dyes	DRE-C14680000	Malachite green oxalate salt	250mg
B3e – Dyes Stable isotopes	DRE-C14629401	Leucocrystal Violet D6	10mg
B3e – Dyes Stable isotopes	DRE-C14629510	Leucomalachite green D6	10mg
B3e – Dyes Stable isotopes	DRE-C14680005	Malachite green D5 oxalate salt	10mg
B3e – Dyes Stable isotopes	DRE-C14680010	Malachite green D5 picrate	10mg
B3f - Other	DRE-C10230000	Amitraz	250mg
B3f - Other	DRE-C10810000	Bronopol	250mg

METABOLITES OF VETERINARY MEDICINES

Veterinary medicines are biologically active chemicals and as such they are subject to metabolism by animals, plants or microorganisms, resulting in the formation of metabolites. These are often much more persistent than the parent chemical. A range of metabolites and degradation products

will be present in food or in the environment. Therefore metabolite analysis is an integral part of testing for veterinary medicine residues. Here you can find a range of continually expanding veterinary medicine metabolites available from Dr. Ehrenstorfer. For our full listing visit [lgcstandards.com/foodandenvironment](https://www.lgcstandards.com/foodandenvironment)

Parent product code	Description	Pack size	Metabolite product code	Description	Pack size
DRE-C10065000	Albendazole	100mg	DRE-C10065020	Albendazole-2-amino	100mg
			DRE-C10065200	Albendazole-2-aminosulfone	50mg
			DRE-C10065250	Albendazole-2-aminosulfoxide	50mg
			DRE-C10065300	Albendazole sulfone	10mg
			DRE-C10065400	Albendazole sulfoxide	10mg
DRE-C10968300	Carbadox	100mg	DRE-C16713000	2-Quinoxalinecarboxylic acid	100mg
DRE-C12772000	Dimetridazole	250mg	DRE-C12772050	Dimetridazole-2-hydroxy	10mg
			DRE-XA12772050AC	Dimetridazole-2-hydroxy 100 ng/μL in Acetone	1.1ml
			DRE-C12772051	Dimetridazole-2-hydroxy D3	10mg
DRE-C13963000	Furaltadone hydrochloride	100mg	DRE-C10206300	3-Amino-5-morpholinomethyl-2-oxazolidinone (AMOZ)	50mg
			DRE-L10206300AL	3-Amino-5-morpholinomethyl-2-oxazolidinone 10 ng/μL in Acetonitrile	10ml
			DRE-C10206310	3-Amino-5-morpholinomethyl-2-oxazolidinone D5 (AMOZ D5)	10mg
			DRE-XA10206310AL	3-Amino-5-morpholinomethyl-2-oxazolidinone D5 (AMOZ D5) in Acetonitrile	1ml
			DRE-C15654480	2-NP-AMOZ	10mg
DRE-C13970200	Furazolidone	250mg	DRE-C10209000	3-Amino-2-oxazolidinone AOZ	50mg
			DRE-L10209000AL	3-Amino-2-oxazolidinone AOZ 10 μg/mL in Acetonitrile	10ml
			DRE-C10209010	3-Amino-2-oxazolidinone (AOZ) D4	10mg
			DRE-C15654500	2-NP-AOZ	10mg
DRE-C14278000	Ibuprofen	250mg	DRE-C14278150	Ibuprofen-1-hydroxy	10mg
			DRE-C14278160	Ibuprofen-2-hydroxy	10mg
DRE-C14370700	Ipronidazole	50mg	DRE-C14370720	Ipronidazole-hydroxy	10mg
			DRE-C14370721	Ipronidazole-hydroxy D3	10mg
DRE-C14798000	Mebendazole	100mg	DRE-C14798015	Mebendazole-amine	10mg
			DRE-C14798020	Mebendazole-5-hydroxy	50mg
DRE-C14942000	Metamizol sodium	250mg	DRE-C10209600	Aminophenazone	250mg
			DRE-C13924000	4-Formylaminoantipyrine	10mg

Parent product code	Description	Pack size	Metabolite product code	Description	Pack size
DRE-C15000000	Methazole	10mg	DRE-C12323400	3,4-Dichloroaniline	500mg
			DRE-XA12323400AL	3,4-Dichloroaniline 100 µg/mL in Acetonitrile	1ml
			DRE-C12471500	1-(3,4-Dichlorophenyl)-3-methyl urea	100mg
			DRE-L12471500AL	1-(3,4-Dichlorophenyl)-3-methyl urea 10 µg/mL in Acetonitrile	10ml
			DRE-XA12471500AL	1-(3,4-Dichlorophenyl)-3-methyl urea 100 µg/mL in Acetonitrile	1ml
			DRE-C12472000	1-(3,4-Dichlorophenyl)urea	100mg
			DRE-L12472000AL	1-(3,4-Dichlorophenyl)urea 10 µg/mL in Acetonitrile	10ml
DRE-C15201000	Metronidazole	250mg	DRE-C15201300	Metronidazole-hydroxy	10mg
			DRE-C15201301	Metronidazole-hydroxy D2	10mg
DRE-C15523100	Nifursol	100mg	DRE-C15523130	Nifursol-desfurfuryliden	100mg
DRE-C15570900	Nitrofurantoin	250mg	DRE-C10203200	1-Aminohydantoin hydrochloride	100mg
			DRE-C15654450	2-NP-AHD	10mg
DRE-C15571000	Nitrofurazone	250mg	DRE-C15654520	2-NP-SCA	10mg
			DRE-C16933500	Semicarbazide hydrochloride	100mg
DRE-C15724000	Olaquinox	100mg	DRE-C15143300	3-Methyl-quinoxaline-2-carboxylic acid	10mg
DRE-C15783000	Oxfendazole	100mg	DRE-C15783010	Oxfendazole-sulfone	10mg
DRE-C16709000	Quinocetone (technical product)	100mg	DRE-C15143300	3-Methyl-quinoxaline-2-carboxylic acid	10mg
DRE-C16996500	Sulfamethazine	250mg	DRE-XA16996510AL	Sulfamethazine-N4-acetyl 100 ng/µl in Acetonitrile	1ml
DRE-XA16996500AL	Sulfamethazine 100 ng/µl in Acetonitrile	1ml			
DRE-C17000000	Sulfanilamide	250mg	DRE-C17000010	Sulfanilamide-N-acetyl	100mg
DRE-C17592000	Toltrazuril	0.1g	DRE-C17592040	Toltrazuril-sulfoxide	10mg
DRE-C17795000	Triclabendazole	100mg	DRE-C17795010	Triclabendazole-sulfone	50mg
			DRE-C17795020	Triclabendazole-sulfoxide	50mg



CERTIFIED REFERENCE MATERIALS AND MATRIX MATERIALS

Certified Reference Materials are essential tools that laboratories can use to determine any method bias as part of the method validation process. Matrix materials can also be used by laboratories to monitor ongoing method performance.

Dr. Ehrenstorfer partners with key specialist manufacturers to supply your laboratory with the following products specifically targeted at veterinary residues analysis. For more details and additional products that might be of interest, visit our website lgcstandards.com/foodandenvironment

Example product code	Product description
BCR-412	Bovine muscle - Diethylstilbestrol
ERM-BB386	Bovine urine - Stilbenes (blank)
ERM-BB389	Bovine urine - Diethylstilbestrol, Dienestrol, Hexestrol
BCR-648-9	Bovine liver - Clenbuterol
ERM-BB124	Pork muscle - Nitroimidazoles
BCR-444	Pork muscle - Chloramphenicol (blank)
ERM-BB130	Pork muscle - Chloramphenicol
NMIAMX012A+B	Nitrofurantoin marker residues in Freeze Dried Prawn
BCR-695	Pig liver - Chlortetracycline (blank)
BCR-696	Pig liver - Chlortetracycline
BCR-697	Pig muscle - Chlortetracycline (blank)
BCR-706	Pig kidney - Chlortetracycline (blank)
BCR-707	Pig kidney - Chlortetracycline



For further information, or if you require substances or materials not currently listed please contact one of our local sales offices.



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