

Table S1. Suppliers of reference materials and isotopically labelled internal standards.

RP LC-MS/MS +ve	
Veterinary drugs and Internal standards	Suppliers
Avermectins	
Avermectin B1a	Sigma-Aldrich
Doramectin	Dr. Ehrenstorfer
Eprinomectin B1a	Sigma-Aldrich
Moxidectin	Sigma-Aldrich
Selamectin	BioAustralis
Benzimidazoles and Azoles	
Albendazole	Dr. Ehrenstorfer
Albendazole sulfoxide	Sigma-Aldrich
Albendazole sulfone	Sigma-Aldrich
Albendazole-2-aminosulfone	Dr. Ehrenstorfer
Fenbendazole	United States Pharmacopeia
Oxfendazole	United States Pharmacopeia
Oxfendazole sulfone	Sigma-Aldrich
Febantel	Sigma-Aldrich
Flubendazole	Witega Laboratorien
2-Aminoflubendazole	Sigma-Aldrich
Mebendazole	United States Pharmacopeia
Mebendazole-amine	Sigma-Aldrich
5-Hydroxymebendazole	Sigma-Aldrich
Oxibendazole	Sigma-Aldrich
Thiabendazole	United States Pharmacopeia
5-Hydroxythiabendazole	Toronto Research Chemicals
Triclabendazole	Dr. Ehrenstorfer
Triclabendazole sulfoxide	Sigma-Aldrich
Triclabendazole sulfone	Sigma-Aldrich
Hydroxytriclabendazole	Witega Laboratorien
Levamisole	United States Pharmacopeia
D ₃ -Albendazole	Witega Laboratorien
D ₃ -Albendazole sulfoxide	Witega Laboratorien
D ₃ -Albendazole sulfone	Witega Laboratorien
D ₃ -Albendazole-2-amino sulfone	Witega Laboratorien
D ₃ -Fenbendazole	Witega Laboratorien
D ₃ -Oxfendazole	Witega Laboratorien
D ₃ -Oxfendazole sulfone	Witega Laboratorien
D ₆ -Febantel	Witega Laboratorien
D ₃ -Flubendazole	Witega Laboratorien
D ₃ -Mebendazole	Witega Laboratorien
D ₃ -5-Hydroxymebendazole	Witega Laboratorien
D ₇ -Oxibendazole	Witega Laboratorien
¹³ C ₆ -Thiabendazole	Witega Laboratorien
¹³ C ₂ , ¹⁵ N-5-Hydroxy thiabendazole	Toronto Research Chemicals
D ₃ -Triclabendazole	Witega Laboratorien
D ₅ -Levamisole	Toronto Research Chemicals
β-Agonists	
Ractopamine	Dr. Ehrenstorfer
D ₆ -Ractopamine	CDN isotopes
Corticosteroids and Steroids	
Flugestone acetate	Toronto Research Chemicals
Melengestrol acetate	United States Pharmacopeia
Trenbolone	Dr. Ehrenstorfer
D ₃ -Melengestrol acetate	Toronto Research Chemicals
D ₅ -Dexamethasone	Toronto Research Chemicals

Coccidiostats	
Clopidol	Sigma-Aldrich
Decoquinate	United States Pharmacopeia
Halofuginone	Sigma-Aldrich
Lasalocid A	Sigma-Aldrich
Maduramicin	Sigma-Aldrich
Monensin A	United States Pharmacopeia
Narasin A	Sigma-Aldrich
Robenidine	Sigma-Aldrich
Salinomycin	Sigma-Aldrich
D ₅ -Decoquinate	Witega Laboratorien
¹³ C ₆ -Halofuginone	Witega Laboratorien
D ₈ -Robenidine	Witega Laboratorien
Lincosamides	
Pirlimycin	Toronto Research Chemicals
D ₁₂ -Pirlimycin	Toronto Research Chemicals
Macrolides	
Acetylisovaleryltylosin	Toronto Research Chemicals
3-O-acetyltylosin	Toronto Research Chemicals
Tilmicosin	Sigma-Aldrich
NSAIDs	
4-Methylaminoantipyrin	Witega Laboratorien
D ₃ -4-Methylaminoantipyrine	Witega Laboratorien
Quinolones	
Difloxacin	Sigma-Aldrich
D ₃ -Difloxacin	Sigma-Aldrich
Tranquillisers	
Azaperone	United States Pharmacopeia
Azaperol	Dr. Ehrenstorfer
Carazolol	Dr. Ehrenstorfer
D ₄ -Azaperone	Witega Laboratorien
D ₄ -Azaperol	Witega Laboratorien
D ₇ -Carazolol	Witega Laboratorien
Others	
Dicyclanil	Sigma-Aldrich
Isometamidium	Wako Pure Chemical Industries
D ₅ -Isometamidium	Toronto Research Chemicals
Antiviral drugs	
Amantadine	Sigma-Aldrich
Memantine	Sigma-Aldrich
Rimantadine	Sigma-Aldrich
D ₁₅ -Amantadine	Toronto Research Chemicals
D ₆ -Memantine	Toronto Research Chemicals
D ₄ -Rimantadine	Toronto Research Chemicals
RP LC-MS/MS -ve	
Veterinary drugs and Internal standards	
Anthelmintics	
Closantel	Dr. Ehrenstorfer
Nitroxinil	Dr. Ehrenstorfer
Rafoxanide	Dr. Ehrenstorfer
¹³ C ₆ -Closantel	Witega Laboratorien
¹³ C ₆ -Nitroxinil	Witega Laboratorien
¹³ C ₆ -Rafoxanide	Witega Laboratorien
β- Lactams	
Nafcillin	Sigma-Aldrich
Oxacillin	Sigma-Aldrich
D ₅ -Nafcillin	Toronto Research Chemicals
Coccidiostats	

Diclazuril Nicarbazin Clorsulon Diclazuril-methyl D ₈ -Nicarbazin D ₆ -Clorsulon Corticosteroids and Steroids Dexamethasone Zeranol D ₅ -Dexamethasone Phenicoles Florfenicol Thiamphenicol D ₃ -Florfenicol D ₃ -Thiamphenicol Others Fluazuron ¹³ C ₆ -Diflubenzuron	United States Pharmacopeia Sigma-Aldrich Sigma-Aldrich Dr. Ehrenstorfer Toronto Research Chemicals Witega Laboratorien United States Pharmacopeia Dr. Ehrenstorfer Toronto Research Chemicals Dr. Ehrenstorfer Dr. Ehrenstorfer Toronto Research Chemicals Toronto Research Chemicals Sigma-Aldrich Witega Laboratorien
HILIC-MS/MS +ve	
Veterinary drugs and Internal standards	
Anthelmintics Piperazine D ₈ -Piperazine β- Agonists Zilpaterol D ₇ -Zilpaterol β- Lactams Cefalexin Cefquinome Cefazolin Cephapirin Desacetylcephapirin D ₄ -Cephapirin D ₆ -Desacetylcephapirin Coccidiostats Amprolium Phenicoles Florfenicol-amine D ₃ -Florfenicol-amine Others Cyromazine Diminazene Imidocarb Methyl-3-quinoxaline-2 carboxylic acid D ₄ -Cyromazine ¹³ C ₂ , ¹⁵ N ₄ -Diminazene D ₈ -Imidocarb	United States Pharmacopeia Dr. Ehrenstorfer Toronto Research Chemicals Toronto Research Chemicals Sigma-Aldrich Sigma-Aldrich Sigma-Aldrich Sigma-Aldrich Toronto Research Chemicals Toronto Research Chemicals Toronto Research Chemicals United States Pharmacopeia Sigma-Aldrich Toronto Research Chemicals United States Pharmacopeia Dr. Ehrenstorfer Dr. Ehrenstorfer Sigma-Aldrich Dr. Ehrenstorfer Toronto Research Chemicals Witega Laboratorien