

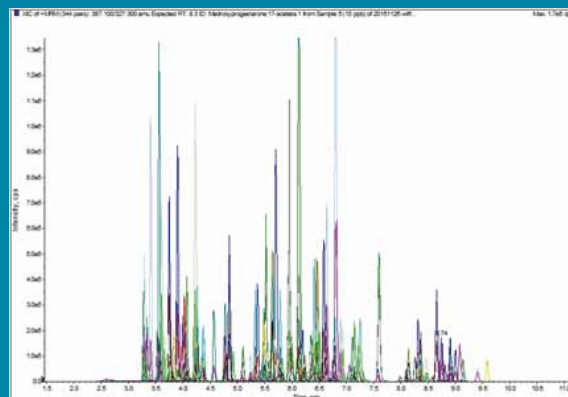


## High Throughput Screening and Quantitation Methods for 181 Veterinary Drug Residues in Animal Source Food

This method includes 181 common veterinary drugs of 17 classes, such as steroid hormones, sulfonamides, nitroimidazoles,  $\beta$ -adrenergic receptors, quinolones, and mycotoxins. It has been tested in samples of chicken, beef and pork, and proved to be effective for screening and quantitative analysis of multiple veterinary drug residues in meat.

### Benefits for 181 Mixed Solution

- **Cost Effectiveness:** Avoid purchasing hundreds of standard materials, reduce inventory cost and prevent losses caused by expiration of analytical standards.
- **Compactness:** Using 17 ampoules instead of 181 bottles, drastically reduces the constraints on testing and storage.
- **Time Efficiency:** No sample weighing, mixing, solution preparing or bottling work needed, allowing for faster analysis in only 13.5minutes.
- **Error Reductions:** No interruption during sample weighing and solution making, reduces the risk of mistakes.
- **Compatibility with Sciex Method Kit:** Compatible with Sciex 4500, 5500, or 6500 LC-MS/MS instruments, 60~120% recovery rate for over 96% of veterinary drugs.



Source: SCIEX method kit for 181 veterinary drugs screening and quantification



No.	Cat.No	Product	CAS	No.	Cat.No	Product	CAS
1	1ST10007	Cefaclor	53994-73-3	92	1ST4042	Sulfadimethoxine	122-11-2
2	1ST10009	Cefpirome	84957-29-9	93	1ST4100	Danofloxacin	112398-08-0
3	1ST10011	Cefotaxime	63527-52-6	94	1ST4102	Tetracycline	60-54-8
4	1ST10012	Ceftazidime	78439-06-2	95	1ST4107	Enrofloxacin	93106-60-6
5	1ST10021	Amantadine	768-94-5	96	1ST4110A	Chlortetracycline hydrochloride	64-72-2
6	1ST12001	Cefapirin	21593-23-7	97	1ST4111A	Oxytetracycline hydrochloride	2058-46-0
7	1ST12002	Cefixime	79350-37-1	98	1ST4122X	Doxycycline hyclate	24390-14-5
8	1ST12003	Cephadrine	38821-53-3	99	1ST5501	Albendazole	54965-21-8
9	1ST12004	Cefetamet pivoxyl	65243-33-6	100	1ST5505	Albendazole sulfoxide	54029-12-8
10	1ST12005	desacetylcefotaxime	66340-28-1	101	1ST5513	5-Nitrobenzimidazole	94-52-0
11	1ST12006	cefamandole lithium	58648-57-0	102	1ST5519	5-Chloro-1-methyl-4-nitroimidazole	4897-25-0
12	1ST12007	Cefoperazone sodium	62893-20-3	103	1ST5525	Dimetridazole	551-92-8
13	1ST12008	Cephalonium	5575-21-3	104	1ST5531	Fenbendazole	43210-67-9
14	1ST12009	Cefquinome	84957-30-2	105	1ST5536	Flubendazole	31430-15-6
15	1ST12011	Cefadroxil	50370-12-2	106	1ST5542	Iprnidazole	14885-29-1
16	1ST12012	Cefminox sodium	75498-96-3	107	1ST5546	Mebendazole	31431-39-7
17	1ST1301A	Clenbuterol hydrochloride	21898-19-1	108	1ST5554	Metronidazole	443-48-1
18	1ST1302	Salbutamol	18559-94-9	109	1ST5556	Metronidazole-hydroxy	4812-40-2
19	1ST1303	Tulobuterol Hydrochloride	56776-01-3	110	1ST5561	Oxfendazole	53716-50-0
20	1ST1304A	Terbutaline hemisulfate	23031-32-5	111	1ST5568	Ronidazole	7681-76-7
21	1ST1307A	Ractopamine hydrochloride	90274-24-1	112	1ST5579	Tinidazole	19387-91-8
22	1ST1309	Cimaterol	54239-37-1	113	1ST5591	Omidazole	16773-42-5
23	1ST1313	Clorprenaline	3811-25-4	114	1ST5703	Ciprofloxacin	85721-33-1
24	1ST1324A	Penbutolol hydrochloride	28163-36-2	115	1ST5714	Enoxacin	74011-58-8
25	1ST2208	Chlormadinone acetate	302-22-7	116	1ST5719	Fleroxacin	79660-72-3
26	1ST2210	Medroxyprogesterone 17-acetate	71-58-9	117	1ST5735	Nalidixic acid	389-08-2
27	1ST2215	Diethylstilbestrol	56-53-1	118	1ST5738	Norfloxacin	70458-96-7
28	1ST2217	Dienestrol	84-17-3	119	1ST5740	Ofloxacin	82419-36-1
29	1ST2218	Dexamethasone	50-02-2	120	1ST5743	Orbifloxacin	113617-63-3
30	1ST2219	Dexamethasone 21-acetate	1177-87-3	121	1ST5745	Oxolinic acid	14698-29-4
31	1ST2221	17-Methyltestosterone	58-18-4	122	1ST5753	Sparfloxacin	110871-86-8
32	1ST2224	Triamcinolone	124-94-7	123	1ST5756	Pefloxacin	70458-92-3
33	1ST2225	Prednisolone	50-24-8	124	1ST5757	Sarafloxacin	98105-99-8
34	1ST2226	Hydrocortisone	50-23-7	125	1ST5758	Difloxacin	98106-17-3
35	1ST2227	Prednisone	53-03-2	126	1ST5759	Lomefloxacin	98079-51-7
36	1ST2228	Cortisone	53-06-5	127	1ST5761	Flumequin	42835-25-6
37	1ST2229	Methylprednisolone	83-43-2	128	1ST7001	Chloramphenicol	56-75-7
38	1ST2230	Betamethasone	378-44-9	129	1ST7002	Thiamphenicol	15318-45-3
39	1ST2231	Flumethasone	2135-17-3	130	1ST7003	Ceftiofur	80370-57-6
40	1ST2232	Beclomethasone	4419-39-0	131	1ST7005	Florfenicol	73231-34-2
41	1ST2233	Triamcinolone acetonide	76-25-5	132	1ST7009	Leucomycins	1392-21-8
42	1ST2234	Fludrocortide	1524-88-5	133	1ST7013	Cephalexin	15686-71-2
43	1ST2235	Betamethasone 17-valerate	2152-44-5	134	1ST7014	Cefazolin	25953-19-9
44	1ST2236	Budesonide	51333-22-3	135	1ST7102	Diazepam	439-14-5
45	1ST2237	Clobetasol 17-propionate	25122-46-7	136	1ST7104	Clopidol	2971-90-6
46	1ST2238	Cortisone 21-acetate	50-04-4	137	1ST7137	Olaquinox	23696-28-8
47	1ST2239	Fluticasone propionate	80474-14-2	138	1ST7152	Carprofen	53716-49-7
48	1ST2240	Hydrocortisone 21-acetate	50-03-3	139	1ST7153	Ketoprofen	22071-15-4
49	1ST2241	Prednisolone 21-acetate	52-21-1	140	1ST7154	N-(3-Chloro-ortho-tolyl) anthranilic acid	13710-19-5
50	1ST2242	Alclomethasone dipropionate	66734-13-2	141	1ST7155	Meloxicam	71125-38-7
51	1ST2243	Amcinonide	51022-69-6	142	1ST7156	Flunixin	42461-84-7
52	1ST2244	Fluocinonide	356-12-7	143	1ST7159	Mefenamic acid	61-68-7
53	1ST2246	Fluoromethalone	426-13-1	144	1ST7161	Diclofenac acid	15307-86-5
54	1ST2247	Fluoromethalone 17-Acetate	3801-06-7	145	1ST7162	Piroxicam	36322-90-4
55	1ST2248	Halcinonide	3093-35-4	146	1ST7165	Nabumetone	42924-53-8
56	1ST2249	Hydrocortisone 17-butyrate	13609-67-1	147	1ST7166	Sulindac	38194-50-2
57	1ST2250	Hydrocortisone 17-valerate	57524-89-7	148	1ST7167	Tolmetin	26171-23-3
58	1ST2251	Prednicarbate	73771-04-7	149	1ST7168	Indomethacin	53-86-1
59	1ST2252	Triamcinolone diacetate	67-78-7	150	1ST7191	Gilbencamide	10238-21-8
60	1ST2253	Betamethasone 21-acetate	987-24-6	151	1ST7192	Glimepiride	93479-97-1
61	1ST2254	Deflazacort	14484-47-0	152	1ST7193	Glipizide	29094-61-9
62	1ST2255	Diflorasone diacetate	33564-31-7	153	1ST7195	Repaglinde	135062-02-1
63	1ST2256	Fludrocortisone 21-acetate	514-36-3	154	1ST7197	Tolbutamide	64-77-7
64	1ST2257	Methylprednisolone 21-acetate	53-36-1	155	1ST7200	Tenoxicam	59804-37-4
65	1ST2259	Betamethasone dipropionate	5593-20-4	156	1ST7201A	Zearalanol	26538-44-3
66	1ST2260	Clobetasone butyrate	25122-57-0	157	1ST7201B	$\beta$ -Zearalanol	42422-68-4
67	1ST2261	Beclomethasone dipropionate	5534-09-8	158	1ST7202	$\alpha$ -Zearalanol	36455-72-8
68	1ST2262	Prednisone 21-acetate	125-10-0	159	1ST7202B	$\beta$ -Zearalanol	71030-11-0
69	1ST2263	Triamcinolone acetonide 21-acetate	3870-07-3	160	1ST7203	Zearalalone	5975-78-0
70	1ST2275	Trenbolone	10161-33-8	161	1ST7204	Zearalene	17924-92-4
71	1ST2286	Testosterone propionate	57-85-2	162	1ST7712	Roxithromycin	80214-83-1
72	1ST2292	Boldenone	846-48-0	163	1ST7801	Erythromycin	114-07-8
73	1ST2522	Thiabendazole	148-79-8	164	1ST7802A	Lincomycin hydrochloride	859-18-7
74	1ST4001	Sulphacetamide	144-80-9	165	1ST7803A	Clindamycin hydrochloride	21462-39-5
75	1ST4002	Sulfamerazine	127-79-7	166	1ST7805	Tilmicosin	108050-54-0
76	1ST4003	Sulfapyridine	144-83-2	167	1ST7806	Tylosin	1401-69-0
77	1ST4004	Sulfamethoxypyridazine	80-35-3	168	1ST7809	Josamycin	16846-24-5
78	1ST4005	Sulfamethoxazole	723-46-6	169	1ST8002	Flufenamic acid	530-78-9
79	1ST4006	Sulfadoxine	2447-57-6	170	1ST8004	Sasapyrine	552-94-3
80	1ST4007	Sulfathiazole	72-14-0	171	1ST8009	Indoprofen	31842-01-0
81	1ST4008	Sulfamethizole	144-82-1	172	1ST8015	Midazolam	59467-70-8
82	1ST4009	Trimethoprim	738-70-5	173	1ST8016	Alprazolam	28981-97-7
83	1ST4010	Sulfisoxazole	127-69-5	174	1ST8019	Clonazepam	1622-61-3
84	1ST4012	Sulfabenzamide	127-71-9	175	1ST8020	Lorazepam	846-49-1
85	1ST4013	Sulfaphenazole	526-08-9	176	1ST8021	Nitrazepam	146-22-5
86	1ST4014	Sulfamethazine	57-68-1	177	1ST8029	Triazolam	28911-01-5
87	1ST4017	Sulfadiazine	68-35-9	178	1ST8031	Oxazepam	604-75-1
88	1ST4028	Sulfaquinoxaline	59-40-5	179	1ST8033A	Propranolol hydrochloride	318-98-9
89	1ST4034	Sulfachloropyridazine	80-32-0	180	1ST8505	Nadolol phenylpropionate	62-90-8
90	1ST4036	Sulfamer	651-06-9	181	1ST8531	Mometasone	105102-22-5
91	1ST4040	Sulfamonomethoxine	1220-83-3				