表 S1 120 种抗生素的线性回归方程、线性相关系数、检出限、定量限和基质效应

Table S1 Linear regression equations, correlation coefficients (r^2), limits of detection (LODs), limits of quantification (LOQs), and matrix effects (MEs) of the 120 antibiotics

No.	Compound	Linear equation	R^2	LOD/(μg/kg)	LOQ/(μg/kg)	ME/%
A: quinolones						
1	nalidixic acid	y=44989x+17199	0.9997	0.3	1.0	+8.61
2	oxolinic acid	y=7234 x+1253	0.9998	0.3	1.0	+10.36
3	flumequine	y=22098x+18426	0.9995	0.3	1.0	+12.37
4	cinoxacin	y=38463x+11375	0.9998	0.5	2.0	+13.66
5	pipemidic acid	y=4438x+961	0.9997	0.5	2.0	-9.58
6	norfloxacin	y=6798x-10040	0.9992	0.5	2.0	-11.26
7	enoxacin	y=2838x+777	0.9996	2.0	5.0	-8.66
8	ciprofloxacin	y=10739x-7683	0.9998	0.3	1.0	-7.51
9	pefloxacin	y=59661x -36487	0.9967	2.0	5.0	-10.83
10	lomefloxacin	y=22465x +435	0.9994	0.3	1.0	-4.27
11	danofloxacin	y=2670x-1502	0.9993	0.5	2.0	+9.86
12	enrofloxacin	y=15057x +1077	0.9994	0.3	1.0	-8.1
13	nadifloxacin	y=4627x +1543	0.9992	0.3	1.0	+11.1
14	ofloxacin	y=25507x -10851	0.9995	0.3	1.0	-8.92
15	marbofloxacin	y=34134x+2865	0.9994	0.5	2.0	-8.22
16	flerofloxacin	y=9614x+3087	0.9994	0.3	1.0	-5.61
17	gatifloxacin	y=5061x+135	0.9993	0.3	1.0	-4.34
18	sarafloxacin	y=4272x+664	0.9992	0.3	1.0	+1.27
19	gemifloxacin	y=12819x+567	0.9989	2.0	5.0	-3.78
20	sparfloxacin	y=17995x+10531	0.9994	0.3	1.0	+10.18
21	orbifloxacin	y=21247x+10193	0.9994	0.3	1.0	+11.71
22	difloxacin	y=7879x+3124	0.9992	0.3	1.0	+13.23
23	moxifloxacin	y=11613x+5524	0.9994	0.5	2.0	+13.90
24	tosufloxacin	y=2983x+2047	0.9994	0.5	2.0	+15.37

B: antifungals						
1	clotrimazole	y=11698x-3980	0.9996	0.5	2.0	-3.27
2	naftifine	y=27698x-6690	0.9995	0.3	1.0	+4.11
3	fluconazole	y=31691x+1808	0.9997	0.3	1.0	-7.27
4	bifonazole	y=5636x-6084	0.9996	0.3	1.0	-5.73
5	griseofulvin	y=4838x-1098	0.9997	2.0	5.0	+2.32
6	econazole	y=33258x+15848	0.9997	0.3	1.0	+4.33
7	miconazole	y=18756x+40567	0.9986	0.5	2.0	-0.98
8	ketoconazole	y=10755x+2529	0.9989	0.3	1.0	-6.81
C: tetracyclines						
1	methacycline	y=29850x-19790	0.9996	0.3	1.0	-4.81
2	tetracycline	y=66139x-28875	0.9996	0.5	2.0	-3.92
3	doxycycline	y=26670x+2490	0.9998	0.5	2.0	-9.83
4	minocycline	y=3430x-7626	0.9996	0.5	2.0	-2.34
5	oxytetracycline	y=5374x+280	0.9975	0.5	2.0	-8.25
6	anhydro-chlortetracycline	y=17962x-21392	0.9990	0.5	2.0	-1.56
7	epianhydro-chlortetracycline	y=15761x-10951	0.9989	0.5	2.0	-7.77
8	demeclocycline	y=5350x+3783	0.9998	0.3	1.0	-10.93
9	chlortetracycline	y=6777x+3456	0.9996	0.3	1.0	-3.64
D: penicillins						
1	penicillin G	y=36273x-39751	0.9971	3.0	10.0	-36.84
2	ampicillin	y=5514x-1842	0.9997	0.5	2.0	-25.55
3	penicillin V	y=3048x+4921	0.9986	2.0	5.0	-28.14
4	phenethicillin	y=898x+2314	0.9991	3.0	10.0	-43.12
5	amoxicillin	y=2602x-1887	0.9991	2.0	5.0	-35.34
6	oxacillin	y=10898x-1549	0.9987	2.0	5.0	-49.23
7	cloxacillin	y=1285x+1673	0.9996	3.0	10.0	-40.78
8	azlocillin	y=1869x-3425	0.9953	2.0	5.0	-54.86

9	dicloxacillin	y=27718x-25631	0.9980	3.0	10.0	-42.22
10	piperacillin	y=1783x+2641	0.9991	0.5	2.0	-36.25
E: sulfonamides						
1	sulfacetamide	y=15314x+5967	0.9997	2.0	5.0	-12.81
2	sulfapyridine	y=14615x+16497	0.9998	0.3	1.0	-15.65
3	sulfadiazine	y=12018x+29431	0.9988	0.5	2.0	-12.42
4	sulfathiazole	y=13665x-5413	0.9963	0.5	2.0	-15.58
5	sulfamerazine	y=11358x-26651	0.9981	0.5	2.0	-13.44
6	sulfisoxazole	y=44118x+30379	0.9992	2.0	5.0	-17.81
7	sulfamoxole	y=32936x+44112	0.9995	0.5	2.0	-13.25
8	sulfamethizole	y=10274x-12862	0.9998	0.5	2.0	-11.03
9	sulfabenzamide	y=28630x-64008	0.9989	0.3	1.0	-10.63
10	sulfamethazine	y=16881x+38172	0.9978	0.5	2.0	-16.29
11	sulfisomidine	y=49663x+45140	0.9998	0.3	1.0	-14.22
12	sulfamonomethoxine	y=13385x+15108	0.9997	0.5	2.0	-11.13
13	sulfamethoxypyridazine	y=36064x+34003	0.9993	0.3	1.0	-9.62
14	sulfameter	y=19083x+12941	0.9993	0.3	1.0	-11.25
15	sulfachloropyridazine	y= 6680x+22020	0.9968	0.5	2.0	-10.19
16	trimethoprim	y=28937x+40856	0.9995	0.3	1.0	-8.41
17	sulfaquinoxaline	y=37835x+11990	0.9987	0.5	2.0	-12.24
18	sulfadoxine	y=61101x+84804	0.9988	0.3	1.0	-11.00
19	sulfadimethoxine	y=50401x-88889	0.9986	0.3	1.0	-12.17
20	sulfaphenazole	y=5410x+20069	0.9971	0.5	2.0	-11.85
F: cephalosporins						
1	cephalexin	y=15565x-3030	0.9993	3.0	10.0	-27.80
2	cephradine	y=52451x-11076	0.9998	2.0	5.0	-25.05
3	cefadroxil	y=20103x-6878	0.9991	2.0	5.0	-32.11
4	cephapirin	y=3473x+156	0.9988	2.0	5.0	-23.63
5	cefazolin	y=11052x+1763	0.9998	2.0	5.0	-21.25

6	cefotaxime	y=10608x+2213	0.9990	2.0	5.0	-27.33
7	cephalonium	y=5488x+593	0.9988	2.0	5.0	-31.71
8	cefetametpivoxyl	y=2406x-2260	0.9997	0.3	1.0	-11.11
9	cefminox	y=3010x-665	0.9998	2.0	5.0	-56.77
10	ceftiofur	y=2031x-1354	0.9989	0.3	1.0	-18.81
11	cefequinome	y=3445x-433	0.9998	3.0	10.0	-32.22
12	cefoperazone	y=13939x+390	0.9995	0.5	2.0	-13.13
G: macrolides						
1	lincomycin	y=26933x-9404	0.9995	0.3	1.0	-14.88
2	tiamulin	y=68348x+55803	0.9997	0.3	1.0	-5.43
3	oleandomycin	y=11053x+14796	0.9993	0.5	2.0	-34.07
4	erythromycin	y=29994x+23969	0.9998	3.0	10.0	-23.58
5	sineptina	y=9709x-827	0.9998	2.0	5.0	-25.19
6	spiramycin	y=2422x-2634	0.9997	2.0	5.0	-8.16
7	josamycin	y=18010x+11461	0.9998	0.5	2.0	-6.17
8	roxithromycin	y=6993x-7944	0.9988	0.5	2.0	-26.97
9	tilmicosin	y=4215x-5836	0.9992	0.5	2.0	-3.88
10	tylosin	y=9610x-10080	0.9995	2.0	5.0	-13.20
H: imidazoles						
1	dimetridazole	y=9489x-2969	0.9998	0.3	1.0	-4.05
2	5-chloro-1-methyl -4-nitroimidazole	y=7342x-4757	0.9993	0.5	2.0	-8.22
3	nitrobenzimidazole	y=14953x+3632	0.9995	0.3	1.0	-7.59
4	cyromazine	y=31601x+17995	0.9997	2.0	5.0	-15.20
5	ipronidazole	y=13012x+13989	0.9975	0.3	1.0	-11.87
6	metronidazole	y=7971x-2071	0.9996	0.3	1.0	-12.04
7	ronidazole	y=5392x-1192	0.9999	0.3	1.0	-11.14
8	thiabendazole	y=49637x+29786	0.9996	0.3	1.0	-9.57
9	5-hydroxythiabendazole	y=45366x-54383	0.9995	0.3	1.0	-8.16
10	ornidacole	y=44972x+30000	0.9996	0.5	2.0	-11.01

11	mebendazole-amino	y=47580x+2431	0.9996	0.3	1.0	-13.52
12	albendazole-2-aminosulfone	y=31086x+33712	0.9994	0.3	1.0	-12.63
13	dapsone	y=28449x+10327	0.9981	0.5	2.0	-16.82
14	oxibendazole	y=38463x+11375	0.9994	0.3	1.0	-8.97
15	2-aminoflubendazole	y=47900x+37517	0.9995	0.3	1.0	-14.26
16	albendazole	y=127204x-50995	0.9986	0.3	1.0	-8.31
17	albendazolesulfoxide	y=54885x+20196	0.9998	0.3	1.0	-7.04
18	mebendazole	y=46005x+24535	0.9996	0.3	1.0	-10.79
19	albendazolesulfone	y=14569x+15505	0.9986	0.3	1.0	-11.18
20	5-hydroxymebendazole	y=18422x+9432	0.9996	0.5	2.0	-11.05
21	fenbendazole	y=57030x+90920	0.9984	0.3	1.0	-8.46
22	cambendazole	y=22140x+26402	0.9989	0.3	1.0	-8.02
23	flubendazole	y=43642x+36449	0.9996	0.3	1.0	-4.59
24	oxfendazole	y=16033x+5315	0.9998	0.3	1.0	-9.98
25	fenbendazolesulfone	y=34179x+33980	0.9993	0.3	1.0	-7.41
26	triclabendazole	y=4830x-4612	0.9989	0.5	2.0	-14.73
27	febantel	y=5965x-8680	0.9997	0.3	1.0	-11.07

y: peak area; x: mass concentration，μg/L.