

Table 1: Results and z-Scores for Enrofloxacin and Sarafloxacin in Chicken Muscle Test Material

laboratory number	analyte							
	enrofloxacin assigned value 72.9 µg/kg				sarafloxacin assigned value 123 µg/kg			
	result µg/kg	int. std. added or % recovery	LoQ µg/kg	z-score	result µg/kg	int. std. added or % recovery	LoQ µg/kg	z-score
001	59.0	Y	4	-0.9	132.4	Y	4	0.3
002	59	y	10	-0.9	126.5	y	10	0.1
003	85.2	56.9	10	0.8	#			
004	71.2		10	-0.1	119.1		10	-0.2
005	124	Y %	<10	3.2	239	Y %	<10	4.3
006	80	83%	10	0.4	71	55%	10	-1.9
007	55.6	Y	2	-1.1	102.2	Y	2	-0.8
008	79.2	100%	1.8	0.4	121	100%	2.3	-0.1
009	63.6		2	-0.6	90.8		2	-1.2
010	64	N(50%)	50	-0.6	104	N(76%)	50	-0.7
011	† 78.3	82.0%	20.0	0.3	120.3	79.9%	20.0	-0.1
012	74.5	91.5		0.1	#			
013	92.72	Y	0.20	1.2	132.36	Y	0.20	0.3
014	61	N, 78%	<5	-0.7	140	N, 71%	<5	0.6
015	47.36	Y	10	-1.6	113	Y	10	-0.4
016	78.3	75.7	5	0.3	115.4	70.1	5	-0.3
017	33.6	Y	10	-2.5	68.5	Y	12	-2.0
018	50	100	10	-1.4	0			-4.6
019	119.0	Y	25.3	2.9	#			
020	77	69	25	0.3	134	50	25	0.4
021	† 57.61	95.53	5.00	-1.0	108.45	66.31	10.00	-0.6

results are shown as submitted by participants

= not analysed

† = additional residues reported > 10 µg/kg see -Table 3

Table 1 (continued): Results and z-Scores for Enrofloxacin and Sarafloxacin in Chicken Muscle Test Material

laboratory number	analyte							
	enrofloxacin assigned value 72.9 µg/kg				sarafloxacin assigned value 123 µg/kg			
	result µg/kg	int. std. added or % recovery	LoQ µg/kg	z-score	result µg/kg	int. std. added or % recovery	LoQ µg/kg	z-score
022	† 125	75.5	20	3.2	144	73.2	20	0.8
023	78	80 %		0.3	101	69 %		-0.8
024	99	83%	2	1.6	#			
025	45.30	N	10	-1.7	60.00	N	10	-2.3
026	97.1	No	25.8	1.5	113.7	No	21.3	-0.4
027	113.62	89.33	0.50	2.5	130.88	106.00	0.70	0.3
028	66.25	116.04	15	-0.4	#			
029	92.2	N	5	1.2	154	N	5	1.1
030	119	80	50	2.9	163	93	50	1.5
031	81.34	41.8	50.0	0.5	#			
032	73.6	Y	20	0.0	118.6	82.2 %	20	-0.2
033	12.76	N		-3.7	81.59	N		-1.5
034	69	84	10	-0.2	#			
035	120.30	81	6	3.0	166.80	77	10	1.6
036	79.3	Y	10	0.4	115.5	Y	10	-0.3
037	65.00	Y	5	-0.5	99.00	Y	5	-0.9
038	91.2	102.4	11.0	1.1	#			
039	82	96	25	0.6	148	70	50	0.9
040	120		1.0	2.9	190		1.0	2.5
041	† 129.8	48.1	2.0	3.5	#			
042	57	N	25	-1.0	#			

results are shown as submitted by participants

= not analysed

† = additional residues reported > 10 µg/kg see -Table 3

Table 2: Results for Ciprofloxacin in Chicken Muscle Test Material

laboratory number	analyte		
	ciprofloxacin		
	result µg/kg	int. std. added or % recovery	LoQ µg/kg
001	11.9	Y	4
002	not detected	y	10
003	not detected	55.5	10
004	3		10
005	not detected	Y %	<10.00
006	present < LoQ		10
007	2.2	Y	2
008	3.2	100%	0.8
009	2.7		2
010	not detected		50
011	not detected	82.0%	20.00
012	not detected		
013	3.48	Y	0.20
014	not detected		
015	not detected		
016	4.6	65.9	5
017	not detected		
018	not detected		
019	107.4	Y	25.3
020	not detected		25
021	not detected	99.08	10.00

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Table 2 (continued): Results for Ciprofloxacin in Chicken Muscle Test Material

laboratory number	analyte		
	ciprofloxacin		
	result µg/kg	int. std. added or % recovery	LoQ µg/kg
022	not detected		20
023	not detected		
024	5	76%	2
025	not detected	N	10
026	7.2	No	6.1
027	4.32	101.75	0.40
028	#		
029	4.2	N	2
030	not detected		50
031	#		
032	3.41	Y	20
033	not detected	N	
034	not detected		
035	not detected		6
036	not detected	Y	10
037	not detected	Y	5
038	not detected	68.7	13.6
039	23	98	30
040	6.28	78	1.00
041	4.0	66.5	2.0
042	not detected		

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= not analysed

Table 3: Additional Quinolones and Fluoroquinolones Reported

laboratory number	analyte reported >10 µg/kg	result µg/kg	int. std. added or % recovery	LoQ µg/kg
011	oxolinic acid	225.4	73.90%	20.0
021	oxolinic acid	760.34	100.02	10.00
022	oxolinic acid	180	71.8	20
041	oxolinic acid	160.0	70.3	2.0

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Table 4: Assigned Values and Target Standard Deviations

analyte	assigned value				target standard deviation	
	data points n	mode	standard error	uncertainty u	derived from	σ_p
enrofloxacin	34	72.9	2.2	2.18	Horwitz*	16.04
	data points n	robust mean \hat{X}	robust sd $\hat{\sigma}$	uncertainty u		
sarafloxacin	24	123	25	5.0	Horwitz*	27.0

* see page 8 for appropriate form of the Horwitz equation

Table 5: Number and Percentage of Satisfactory z-Scores

analyte	number of satisfactory scores $ z \leq 2$	total number of scores	satisfactory %
enrofloxacin	32	42	76
sarafloxacin	28	32	88