

Table S3. Measured concentrations oxytetracycline in milk of each cow (n=6) after single intramuscular administration of 20 mg.kg⁻¹ oxytetracycline hydrochloride as long acting drug formulation

Time (h)	Cow 1 (µg.mL ⁻¹)	Cow 2 (µg.mL ⁻¹)	Cow 3 (µg.mL ⁻¹)	Cow 4 (µg.mL ⁻¹)	Cow 5 (µg.mL ⁻¹)	Cow 6 (µg.mL ⁻¹)
0.5	<LOQ	<LOQ	<LOQ	0.02	<LOQ	<LOQ
0.75	0.04	<LOQ	<LOQ	0.04	<LOQ	<LOQ
1	0.05	0.03	0.02	0.27	<LOQ	<LOQ
1.5	0.05	0.04	0.03	0.10	0.12	0.02
2	0.09	0.07	0.05	0.15	0.31	0.05
3	0.39	0.73	0.23	0.29	0.70	0.18
6	1.95	1.90	2.11	2.00	2.29	1.27
9	2.40	3.01	2.48	2.66	3.45	1.85
12	2.81	4.73	3.15	3.80	3.59	2.49
24	2.03	3.46	2.29	1.30	2.67	1.92
48	1.13	1.69	0.85	0.91	1.30	1.44
72	0.56	0.97	0.58	0.56	0.63	0.56
96	0.41	0.52	0.30	0.28	0.34	0.30
120	0.15	0.22	0.22	0.18	0.21	0.20
144	0.08	0.14	0.14	0.12	0.09	0.16
168	0.05	0.10	0.14	0.07	0.08	0.10