

08/13/2013, Tommy

Ampicillin

| No. | tatus | CitNum: | Gen | ActiveIngredient: | Species:   | Age:   | Matrix: | InteCo | Dose: | BW    | HL    | Vc | Vdss   | VdArea | CLR    | AUC     |
|-----|-------|---------|-----|-------------------|------------|--------|---------|--------|-------|-------|-------|----|--------|--------|--------|---------|
| 1   | ✓     | 9011987 | 1   | ampicillin        | Alpacas    | 3      | Serum   | IV     | 15    | 52.5  | 0.60  |    | 0.63   |        | 15.96  | 16.43   |
| 2   | ✓     | 9004068 | 1   | ampicillin        | Buffalo    |        | Plasma  | IV     | 6     | 42.0  | 4.74  |    | 0.43   |        | 3.3182 | 30.20   |
| 3   | ✓     | 9007981 | 1   | ampicillin        | Buffalo    | 1.25   | Plasma  | IV     | 10    | 14.9  | 3.0   |    | 1.08   |        | 5.32   | 24.79   |
| 4   | ✓     | 9004205 | 1   | ampicillin        | Buffalo    |        | Serum   | IV     | 10    | 107.5 | 1.07  |    | 0.757  |        | 12.33  | 17.939  |
| 5   | ✓     | 9007983 | 2   | ampicillin        | Buffalo    | 2      | Serum   | IV     | 5     | 175   | 0.51  |    | 0.295  |        | 7.77   | 10.714  |
| 6   | ✓     | 9008316 | 1   | ampicillin        | Buffalo    |        | Serum   | IV     | 10    | 85    | 0.70  |    | 0.53   |        | 8.676  | 19.2136 |
| 7   | ✓     | 9006192 | 1   | ampicillin        | Cats       |        | Plasma  | IV     | 10    | 0.425 | 1.21  |    |        |        |        |         |
| 8   | ✓     | 9012646 | 1   | ampicillin        | Cats       |        | Serum   | IV     | 50    | 0.43  | 1.439 |    |        | 0.9    | 7.3    |         |
| 9   | ✓     | 9008009 | 3   | ampicillin        | Cattle (D) |        | Blood   | IV     | 20    | 50    | 2     |    |        |        |        |         |
| 10  | ✓     | 9006050 | 2   | ampicillin        | Cattle     |        | Plasma  | IV     | 7     |       | 1.17  |    | 0.5719 |        | 8.8063 | 13.508  |
| 11  | ✓     | 9006832 | 1   | ampicillin        | Cattle     |        | Plasma  | IV     | 15.5  |       | 4.85  |    | 0.71   | 0.44   | 1.28   | 32.9958 |
| 12  | ✓     | 9007987 | 1   | ampicillin        | Cattle (D) |        | Plasma  | IV     | 5     | 60    | 0.77  |    | 0.36   |        | 8.42   | 9.8973  |
| 13  | ✓     | 9007992 | 1   | ampicillin        | Cattle (D) | 0.17   | Plasma  | IV     | 10    | 78    | 0.99  |    | 0.113  |        | 4.94   | 33.7609 |
| 14  | ✓     | 9012345 | 1   | ampicillin        | Cattle     | 0.0273 | Plasma  | IV     | 13.33 | 80    | 0.99  |    | 0.44   |        | 8.5017 | 25.99   |
| 15  | ✓     | 9000110 | 1   | ampicillin        | Cattle (M) |        | Serum   | IV     | 10    | 129.5 | 1.09  |    |        | 0.88   | 9.31   | 13.8258 |
| 16  | ✓     | 9000110 | 3   | ampicillin        | Cattle     |        | Serum   | IV     | 10    | 129.5 | 1.55  |    | 0.7    |        |        | 19.20   |
| 17  | ✓     | 9000154 | 5   | ampicillin        | Cattle (D) | 0.06   | Serum   | IV     | 21.7  | 45    |       |    |        |        |        |         |
| 18  | ✓     | 9000959 | 1   | ampicillin        | Cattle     |        | Serum   | IV     | 0     |       |       |    |        |        |        |         |
| 19  | ✓     | 9001467 | 17  | ampicillin        | Cattle (D) |        | Serum   | IV     | 22.73 | 44    | 1.47  |    | 0.24   |        | 2.85   | 132.857 |
| 20  | ✓     | 9001606 | 1   | ampicillin        | Cattle (D) |        | Serum   | IV     | 10    |       | 1.37  |    | 0.427  |        | 9.44   | 17.6606 |
| 21  | ✓     | 9005426 | 1   | ampicillin        | Cattle (D) |        | Serum   | IV     | 13.2  | 150   | 1.59  |    | 0.164  |        | 6.4646 | 34.304  |
| 22  | ✓     | 9006340 | 1   | ampicillin        | Cattle (?) |        | Serum   | IV     | 5     |       | 0.9   |    | 0.157  |        | 3.084  | 27.0237 |
| 23  | ✓     | 9007984 | 3   | ampicillin        | Cattle (D) | 0.06   | Serum   | IV     | 0     | 46    |       |    |        |        |        |         |
| 24  | ✓     | 9008004 | 2   | ampicillin        | Cattle (?) |        | Serum   | IV     | 10    | 132.5 | 1.56  |    | 0.702  |        | 5.15   |         |
| 25  | ✓     | 9008053 | 19  | ampicillin        | Cattle (D) |        | Serum   | IV     | 10.12 | 537   | 1.82  |    | 0.3508 | 0.348  | 7.53   | 21.89   |
| 26  |       | 9001168 | 1   | Ampicillin        | Chickens   |        | Plasma  | IV     | 7     |       |       |    |        |        |        |         |
| 27  |       | 9007149 | 2   | ampicillin        | Chickens   | 0.9615 | Plasma  | IV     | 40    |       |       |    |        |        |        |         |
| 28  |       | 9008209 | 1   | ampicillin        | Chickens   | 1.5    | Plasma  | IV     | 50    |       |       |    |        |        |        |         |
| 29  |       | 9012534 | 1   | ampicillin        | Chickens   |        | Plasma  | IV     | 13.33 |       |       |    |        |        |        |         |
| 30  |       | 9001129 | 1   | ampicillin        | Chickens   |        | Serum   | IV     | 100   |       |       |    |        |        |        |         |
| 31  |       | 9001129 | 2   | ampicillin        | Chickens   |        | Serum   | IV     | 50    |       |       |    |        |        |        |         |
| 32  |       | 9005458 | 5   | ampicillin        | Chickens   | 0.75   | Serum   | IV     | 20    |       |       |    |        |        |        |         |

Alpacas

Buffalo

Cats

08/13/2013, Tommy

Ampicillin

| No. Katus | CitNum: | Gen/ActiveIngredient: | Species: | Age:    | Matrix: | IntCo | Dose: | BW    | HL    | Vc    | Vdss  | VdArea | CLR       | AUC      |
|-----------|---------|-----------------------|----------|---------|---------|-------|-------|-------|-------|-------|-------|--------|-----------|----------|
|           |         |                       |          |         |         |       |       |       |       | l/kg  | l/kg  | l/kg   | ml/min*kg | ug*/h/ml |
| 35        | 9005198 | 1 ampicillin          | Dogs     | 0.11    | Plasma  | IV    | 50    | 1.795 | 1.84  |       | 1.2   | 1.8    | 17.6      |          |
| 36        | 9009976 | 6 ampicillin          | Dogs     |         | Plasma  | IV    | 0     |       |       |       |       |        |           |          |
| 37        | 9001285 | 1 ampicillin          | Dogs     |         | Serum   | IV    | 0     |       |       |       |       |        |           |          |
| 38        | 9004063 | 1 ampicillin          | Dogs     | 2       | Serum   | IV    | 15    | 14.5  | 1.35  |       |       | 0.679  | 6.45      | 40.66    |
| 39        | 9006549 | 11 ampicillin         | Dogs     |         | Serum   | IV    | 2.5   |       | 3.5   |       |       |        |           |          |
| 40        | 9006549 | 12 ampicillin         | Dogs     |         | Serum   | IV    | 2.5   |       | 3.4   |       |       |        |           |          |
| 41        | 9006673 | 7 ampicillin          | Dogs     |         | Serum   | IV    | 0     |       |       |       |       |        |           |          |
| 42        | 9006428 | 3 ampicillin          | Donkeys  | 8.15.19 | Plasma  | IV    | 10    | 201.5 | 0.713 | 0.225 | 0.422 | 0.499  | 6.98      |          |
| 43        | 8005182 | 2 ampicillin          | Goats    |         | Blood   | IV    | 20    | 38.3  |       |       |       |        |           |          |
| 44        | 8005316 | 6 ampicillin          | Goats    |         | Blood   | IV    | 20    | 37    | 0.92  |       |       | 0.73   | 9.33      |          |
| 45        | 8005316 | 7 ampicillin          | Goats    |         | Blood   | IV    | 20    | 37    | 1.1   |       |       | 1.04   | 11.17     |          |
| 46        | 9012678 | 1 bacampicillin       | Goats    |         | Blood   | IV    | 10    |       |       |       |       |        |           |          |
| 47        | 9014906 | 1 ampicillin          | Goats    |         | Blood   | IV    |       |       |       |       |       |        |           |          |
| 48        | 9000933 | 1 ampicillin          | Goats    |         | Plasma  | IV    | 20    | 37    |       |       |       |        |           |          |
| 49        | 9001045 | 1 ampicillin          | Goats    |         | Plasma  | IV    | 13.33 |       |       |       |       |        |           |          |
| 50        | 9001341 | 2 Ampicillin          | Goats    | 1       | Plasma  | IV    | 10    | 10    | 1.195 |       |       | 5.67   | 48.6997   | 3.59     |
| 51        | 9004645 | 4 ampicillin          | Goats    |         | Plasma  | IV    | 10    | 36    | 1.58  | 7.15  |       |        | 57        |          |
| 52        | 9007162 | 1 Ampicillin          | Goats    | 1       | Plasma  | IV    | 10    | 10    | 1.15  |       |       | 5.56   |           |          |
| 53        | 9007162 | 2 Ampicillin          | Goats    | 1       | Plasma  | IV    | 10    | 10    | 1.48  |       |       |        |           |          |
| 54        | 9007162 | 3 Ampicillin          | Goats    | 1       | Plasma  | IV    | 10    | 10    | 1.41  |       |       |        |           |          |
| 55        | 9007162 | 4 Ampicillin          | Goats    | 1       | Plasma  | IV    | 10    | 10    | 2.05  |       |       |        |           |          |
| 56        | 9007194 | 3 ampicillin          | Goats    |         | Plasma  | IV    | 13.33 | 40    | 0.32  |       | 0.23  | 0.34   | 12.0024   | 18.71    |
| 57        | 9009541 | 1 ampicillin          | Goats    |         | Plasma  | IV    | 13.33 | 25    | 0.33  |       |       |        |           |          |
| 58        | 9009541 | 2 ampicillin          | Goats    |         | Plasma  | IV    | 13.33 | 25    | 0.30  |       |       |        | 16.1699   | 14.11    |
| 59        | 9003161 | 1 ampicillin          | Horses   |         | Blood   | IV    | 6.6   |       | 0.63  | 0.19  | 0.29  | 0.64   | 11.53     |          |
| 60        | 8002206 | 1 ampicillin          | Horses   |         | Plasma  | IV    | 10    | 494   | 0.77  | 0.17  | 0.24  | 0.28   | 4.14      | 40.4     |
| 61        | 8002206 | 2 ampicillin          | Horses   |         | Plasma  | IV    | 10    | 494   | 0.72  | 0.15  | 0.23  | 0.30   | 4.47      | 38.4     |
| 62        | 8002206 | 3 ampicillin          | Horses   |         | Plasma  | IV    | 10    | 494   | 0.72  | 0.14  | 0.22  | 0.30   | 4.03      | 39.5     |
| 63        | 9004666 | 1 ampicillin          | Horses   |         | Plasma  | IV    | 15    |       | 1.72  |       |       |        |           |          |
| 64        | 9005119 | 1 ampicillin          | Horses   | 7       | Plasma  | IV    | 15    | 620   | 1.72  | 0.136 | 0.180 | 0.705  | 4.75      | 53.4     |
| 65        | 9005131 | 1 ampicillin          | Horses   | 7.21.22 | Plasma  | IV    | Add 2 | 560   | 0.62  |       | 0.175 |        |           | 32.82    |
| 66        | 9006428 | 1 ampicillin          | Horses   | 7.21.22 | Plasma  | IV    | 10    | 541.5 | 0.75  | 0.168 | 0.211 | 0.280  | 4.01      |          |

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Ampicillin

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|-----|-------|---------|----------------------|----------|------|----------|--------|-------|--------|--------|------|--------|--------|-----------|---------|
| 69  | ✓     | 9008420 | 1 ampicillin         | Horses   |      | Plasma   | IV     | 10    |        | 0.7    |      | 0.2628 |        | 6.2062    | 28.8    |
| 70  | ✓     | 9000194 | 1 ampicillin         | Horses   |      | Serum    | IV     | 40    |        | 1.55   |      |        |        |           |         |
| 71  | ✓     | 9001189 | 2 ampicillin         | Horses   |      | Serum    | IV     | 11    | 468    | 1.68   | 0.12 | 0.18   |        | 3.5       |         |
| 72  | ✓     | 9001189 | 3 ampicillin         | Horses   |      | Serum    | IV     | 11    | 468    | 1.95   | 0.19 | 0.19   |        | 3.57      |         |
| 73  | ✓     | 9001189 | 4 ampicillin         | Horses   |      | Serum    | IV     | 11    | 468    | 1.4    | 0.12 | 0.17   |        | 3.43      |         |
| 74  | ✓     | 9006045 | 1 ampicillin         | Llamas   |      | Plasma   | IV     | 12    | 112.25 | 3.71   |      | 0.2625 |        | 0.847     | 236.130 |
| 75  | ✓     | 9006404 | 3 ampicillin         | Mice     |      | Blood    | IV     | 0     |        |        |      |        |        |           |         |
| 76  | ✓     | 9013535 | 3 ampicillin         | Mice     |      | Blood    | IV     | 10    | 0.025  | 0.3867 |      |        |        |           | 4949    |
| 77  |       | 9000920 | 5 ampicillin         | Pigeons  |      | Blood    | IV     | 100   |        |        |      |        |        |           |         |
| 78  |       | 9003039 | 1 ampicillin         | Pigeons  |      | Blood    | IV     | 100   |        |        |      |        |        |           |         |
| 79  |       | 9010091 | 3 ampicillin         | Pigeons  |      | Serum    | IV     | 20    |        |        |      |        |        |           |         |
| 80  | ✓     | 9009481 | 1 ampicillin         | Ponies   |      | 2 Plasma | IV     | 15    | 160    | 3.18   |      | 0.2737 |        | 4.0039675 | 62.4494 |
| 81  |       | 9010091 | 1 ampicillin         | Quail    |      | Serum    | IV     | 20    |        |        |      |        |        |           |         |
| 82  | ✓     | 9006245 | 3 ampicillin         | Rabbits  |      | Blood    | IV     | 70    | 2      |        |      |        |        |           |         |
| 83  | ✓     | 9006598 | 2 ampicillin         | Rabbits  |      | Blood    | IV     | 0     |        |        |      |        |        |           |         |
| 84  | ✓     | 9000371 | 2 ampicillin         | Rabbits  |      | Plasma   | IV     | 25    | 2      | 1.72   | 0.10 | 0.125  | 0.165  | 1.11      |         |
| 85  | ✓     | 9004373 | 2 ampicillin         | Rabbits  |      | Plasma   | IV     | 0     | 2.2    |        |      |        |        |           |         |
| 86  | ✓     | 9004793 | 1 Ampicillin         | Rabbits  |      | Plasma   | IV     | 10    | 2.7    | 0.74   |      | 0.26   |        | 17.84     | 9.51    |
| 87  | ✓     | 9004793 | 2 Ampicillin         | Rabbits  |      | Plasma   | IV     | 10    | 2.7    | 0.73   |      | 0.13   |        | 10.00     | 17.24   |
| 88  | ✓     | 9007991 | 1 Ampicillin         | Rabbits  |      | Plasma   | IV     | 10    | 3.05   | 0.74   |      | 0.26   |        | 17.8369   | 9.51    |
| 89  | ✓     | 9007991 | 2 Ampicillin         | Rabbits  |      | Plasma   | IV     | 10    | 3.05   | 0.73   |      | 0.13   |        | 1000.22   | 17.24   |
| 90  | ✓     | 9008380 | 1 ampicillin         | Rabbits  |      | Plasma   | IV     | 13.33 | 3.75   | 0.64   |      |        |        | 10.8355   | 20.42   |
| 91  | ✓     | 9000306 | 3 ampicillin         | Rabbits  |      | Serum    | IV     | 30    | 2      |        |      |        |        |           |         |
| 92  | ✓     | 9000464 | 30 ampicillin        | Rabbits  |      | Serum    | IV     | 20    | 2.25   |        |      |        |        |           |         |
| 93  | ✓     | 9001491 | 1 ampicillin         | Rabbits  |      | Serum    | IV     | 50    |        | 0.4    |      |        |        |           |         |
| 94  | ✓     | 9001730 | 2 ampicillin         | Rabbits  |      | Serum    | IV     | 100   |        |        |      |        |        |           |         |
| 95  | ✓     | 9001958 | 4 ampicillin         | Rabbits  |      | Serum    | IV     | 0     |        |        |      |        |        |           |         |
| 96  | ✓     | 9001958 | 8 ampicillin         | Rabbits  |      | Serum    | IV     | 0     |        |        |      |        |        |           |         |
| 97  | ✓     | 9001958 | 14 ampicillin        | Rabbits  |      | Serum    | IV     | 0     |        |        |      |        |        |           |         |
| 98  | ✓     | 9001958 | 18 ampicillin        | Rabbits  |      | Serum    | IV     | 0     |        |        |      |        |        |           |         |
| 99  | ✓     | 9001958 | 22 ampicillin        | Rabbits  |      | Serum    | IV     | 0     |        |        |      |        |        |           |         |
| 100 | ✓     | 9001958 | 26 ampicillin        | Rabbits  |      | Serum    | IV     | 0     |        |        |      |        |        |           |         |

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|-----|-------|---------|-----------------------|----------|-------|---------|--------|-------|-------|-------|-------|-------|--------|----------|-------------|
| 103 | ✓     | 9001993 | 5 ampicillin          | Rabbits  |       | Serum   | IV     | 40    | 2.5   | 0.429 | I/kg  | 0.867 |        | 23.33166 | 28.5792     |
| 104 | ✓     | 9006148 | 1 ampicillin          | Rabbits  |       | Serum   | IV     | 0     |       |       |       |       |        |          |             |
| 105 | ✓     | 9006273 | 7 ampicillin          | Rabbits  |       | Serum   | IV     | 0     |       |       |       |       |        |          |             |
| 106 | ✓     | 9006491 | 1 ampicillin          | Rabbits  |       | Serum   | IV     | 0     |       |       |       |       |        |          |             |
| 107 | ✓     | 9006492 | 1 ampicillin          | Rabbits  |       | Serum   | IV     | 0     |       |       |       |       |        |          |             |
| 108 | ✓     | 9006495 | 4 ampicillin          | Rabbits  |       | Serum   | IV     | 0     |       |       |       |       |        |          |             |
| 109 | ✓     | 9006497 | 5 ampicillin          | Rabbits  |       | Serum   | IV     | 70    | 2     | 1.4   |       |       |        |          | 45.3        |
| 110 | ✓     | 9009441 | 1 ampicillin          | Rabbits  |       | Serum   | IV     | 25    |       | 0.5   |       |       |        |          |             |
| 111 | ✓     | 9010638 | 4 ampicillin          | Rabbits  |       | Serum   | IV     | 0     |       |       |       |       |        |          |             |
| 112 | ✓     | 9014578 | 1 ampicillin          | Rabbits  |       | Serum   | IV     | 20    |       | 0.47  |       |       |        |          |             |
| 113 | ✓     | 9014578 | 3 ampicillin          | Rabbits  |       | Serum   | IV     | 20    |       |       |       |       |        |          |             |
| 114 | ✓     | 9005591 | 1 ampicillin          | Rats     |       | Plasma  | IV     | 100   | 0.245 |       |       |       | 1.13   | 19.4     | 98.2        |
| 115 | ✓     | 9012818 | 1 ampicillin          | Rats     |       | Plasma  | IV     | 75    | 0.27  | 7.40  |       |       |        |          |             |
| 116 | ✓     | 9012818 | 2 ampicillin          | Rats     |       | Plasma  | IV     | 75    | 0.27  | 5.12  |       |       |        |          |             |
| 117 | ✓     | 9006242 | 8 ampicillin          | Rats     |       | Serum   | IV     | 0     |       |       |       |       |        |          |             |
| 118 | ✓     | 9001341 | 1 Ampicillin          | Sheep    | 0.833 | Plasma  | IV     | 10    | 16    | 2.476 |       |       | 0.99   | 4370874  | 38.98       |
| 119 | ✓     | 9003065 | 1 Ampicillin          | Sheep    |       | Plasma  | IV     | 10    | 24    | 1.58  | 4.47  |       | 6.39   | 50       | 7932001 h/l |
| 120 | ✓     | 9004645 | 1 ampicillin          | Sheep    |       | Plasma  | IV     | 20    | 28    | 1.58  | 6.39  |       |        | 50       |             |
| 121 | ✓     | 9005099 | 1 ampicillin          | Sheep    |       | Plasma  | IV     | 10    | 32    | 0.63  | 0.082 |       | 0.156  | 6.21     | 28.76       |
| 122 | ✓     | 9005099 | 2 ampicillin          | Sheep    |       | Plasma  | IV     | 10    | 44.5  | 1.09  | 0.055 |       | 0.172  | 3.98     | 54.02       |
| 123 | ✓     | 9007143 | 1 Ampicillin          | Sheep    | 0.33  | Plasma  | IV     | 10    | 24    | 0.32  |       |       | 0.322  | 19.70394 |             |
| 124 | ✓     | 9007143 | 2 Ampicillin          | Sheep    | 0.33  | Plasma  | IV     | 10    | 24    | 0.366 |       |       | 0.370  | 16.41995 |             |
| 125 | ✓     | 9007143 | 3 Ampicillin          | Sheep    | 0.33  | Plasma  | IV     | 10    | 24    | 0.456 |       |       | 0.316  | 15.5031  |             |
| 126 | ✓     | 9007143 | 4 Ampicillin          | Sheep    | 0.33  | Plasma  | IV     | 10    | 24    | 0.429 |       |       | 0.368  | 20.43742 |             |
| 127 | ✓     | 9007143 | 5 Ampicillin          | Sheep    | 0.33  | Plasma  | IV     | 10    | 24    | 0.337 |       |       | 0.333  | 19.37054 |             |
| 128 | ✓     | 9007143 | 6 Ampicillin          | Sheep    | 0.33  | Plasma  | IV     | 10    | 24    | 0.46  |       |       | 0.274  | 10.01867 |             |
| 129 | ✓     | 9007194 | 1 ampicillin          | Sheep    |       | Plasma  | IV     | 13.33 | 47    | 0.32  |       |       | 0.32   | 11.5023  | 19.48       |
| 130 | ✓     | 9008255 | 1 ampicillin          | Sheep    |       | Plasma  | IV     | 13.33 |       |       |       |       |        |          |             |
| 131 | ✓     | 9005426 | 5 ampicillin          | Sheep    |       | Serum   | IV     | 13.2  | 45    | 1.0   | 0.168 |       | 0.214  | 7.66     | 42.75       |
| 132 | ✓     | 9008369 | 2 ampicillin          | Sheep    |       | Serum   | IV     | 0.02  |       |       |       |       |        |          |             |
| 133 | ✓     | 9003162 | 5 ampicillin          | Swine    |       | Plasma  | IV     | 20    | 42.5  | 0.2   |       |       | 0.2    |          |             |
| 134 | ✓     | 9003162 | 6 ampicillin          | Swine    |       | Plasma  | IV     | 10    | 42.5  | 0.85  |       |       | 0.43   | 9.71     | 17.1619     |

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Ampicillin

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|-----|-------|---------|-----------------------|----------|------|---------|-------|-------|------|-------|-------|-------|--------|------|----------|
| 137 | ✓     | 9001347 | 1 ampicillin          | Swine    | 0.17 | Serum   | IV    | 10    | 32   | 0.69  | 1/kg  | 0.51  |        | 8.67 | 21.4362  |
| 138 | ✓     | 9001347 | 2 ampicillin          | Swine    | 0.17 | Serum   | IV    | 10    | 32   | 0.72  |       | 0.68  | 0.11   | 10.3 | 18.4342  |
| 139 | ✓     | 9007989 | 1 ampicillin          | Swine    |      | Serum   | IV    | 61.54 | 32.5 | 1.64  | 0.196 | 0.290 |        | 2.42 | 423.4250 |
| 140 | ✓     | 9007989 | 2 ampicillin          | Swine    |      | Serum   | IV    | 61.54 | 32.5 | 1.59  | 0.311 | 0.443 |        | 5.13 | 199.8216 |
| 141 | ✓     | 9008278 | 2 ampicillin          | Swine    |      | Serum   | IV    | 300   | 15   | 59.56 |       |       |        |      | 21554.60 |
| 142 |       | 9012580 | 1 ampicillin          | Turkeys  | 1    | Plasma  | IV    | 13.33 |      |       |       |       |        |      |          |

| Year       | 1950 | 1951 | 1952 | 1953 | 1954 | 1955 | 1956 | 1957 | 1958 | 1959 | 1960 | 1961 | 1962 | 1963 | 1964 | 1965 | 1966 | 1967 | 1968 | 1969 | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 | 1981 | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |      |
|------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| Population | 100  | 105  | 110  | 115  | 120  | 125  | 130  | 135  | 140  | 145  | 150  | 155  | 160  | 165  | 170  | 175  | 180  | 185  | 190  | 195  | 200  | 205  | 210  | 215  | 220  | 225  | 230  | 235  | 240  | 245  | 250  | 255  | 260  | 265  | 270  | 275  | 280  | 285  | 290  | 295  | 300  | 305  | 310  | 315  | 320  | 325  | 330  | 335  | 340  | 345  | 350  | 355  | 360  | 365  | 370  | 375  | 380  | 385  | 390  | 395  | 400  | 405  | 410  | 415  | 420  | 425  | 430  | 435  | 440  | 445  | 450  | 455  | 460  | 465  | 470  | 475 | 480 | 485 | 490 | 495 | 500 | 505 | 510 | 515 | 520 | 525 | 530 | 535 | 540 | 545 | 550 | 555 | 560 | 565 | 570 | 575 | 580 | 585 | 590 | 595 | 600 | 605 | 610 | 615 | 620 | 625 | 630 | 635 | 640 | 645 | 650 | 655 | 660 | 665 | 670 | 675 | 680 | 685 | 690 | 695 | 700 | 705 | 710 | 715 | 720 | 725 | 730 | 735 | 740 | 745 | 750 | 755 | 760 | 765 | 770 | 775 | 780 | 785 | 790 | 795 | 800 | 805 | 810 | 815 | 820 | 825 | 830 | 835 | 840 | 845 | 850 | 855 | 860 | 865 | 870 | 875 | 880 | 885 | 890 | 895 | 900 | 905 | 910 | 915 | 920 | 925 | 930 | 935 | 940 | 945 | 950 | 955 | 960 | 965 | 970 | 975 | 980 | 985 | 990 | 995 | 1000 |

1000

08/12/2013, Tommy

Carbenicillin

| No. | Status | CitNum: | Gen/ActiveIngredient: | Species:   | Age: | Matrix: | UteCo | Dose: | BW    | HL   | Vc    | Vdss  | VdArea | CLR       | AUC     |
|-----|--------|---------|-----------------------|------------|------|---------|-------|-------|-------|------|-------|-------|--------|-----------|---------|
|     |        |         |                       |            | yrs  |         |       | mg/kg | kg    | Hrs  | l/kg  | l/kg  | l/kg   | ml/min*kg | ug*h/ml |
| 1   | ✓      | 9000568 | 8 carbenicillin       | Buffalo    |      | Blood   | IV    | 50    | 100   |      |       |       |        |           |         |
| 3   | ✓      | 9000568 | 1 carbenicillin       | Buffalo    |      | Plasma  | IV    | 50    | 100   |      |       |       |        |           |         |
| 4   | ✓      | 9006842 | 1 carbenicillin       | Buffalo    |      | Plasma  | IV    | 50    | 100   | 1.68 |       |       |        | 12664199  | 10.222  |
| 6   | ✓      | 8005104 | 1 carbenicillin       | Cattle (D) |      | Serum   | IV    | 8.8   | 512   | 2.03 | 0.24  | 0.33  |        | 5.52      |         |
| 7   | ✓      | 8005104 | 2 carbenicillin       | Cattle (D) |      | Serum   | IV    | 26.7  | 512   | 1.62 | 0.24  | 0.30  |        | 4.34      |         |
| 5   | ✓      | 9006487 | 3 carbenicillin       | Dogs       |      | Plasma  | IV    | 125   | 20    |      |       |       |        |           |         |
| 8   | ✓      | 9000429 | 3 carbenicillin       | Dogs       |      | Serum   | IV    | 20    | 16    | 0.45 |       |       |        | 9.315     |         |
| 9   | ✓      | 9000429 | 5 carbenicillin       | Dogs       |      | Serum   | IV    | 20    | 16    | 1.1  |       |       |        |           |         |
| 10  | ✓      | 9000429 | 12 carbenicillin      | Humans     | 68   | Serum   | IV    | add   | 70    | 1.2  |       | 0.261 |        |           |         |
| 2   | ✓      | 9013535 | 2 carbenicillin       | Mice       |      | Blood   | IV    | 10    | 0.025 | 0.35 |       |       |        |           | 15.315  |
| 11  | ✓      | 9000429 | 7 carbenicillin       | Mice       |      | Serum   | IV    | 20    | 0.025 | 0.2  | 0.036 | 0.186 | 0.391  | 0.1905    |         |
| 12  | ✓      | 9001730 | 3 carbenicillin       | Rabbits    |      | Serum   | IV    | 100   |       |      |       |       |        |           |         |
| 13  | ✓      | 9006414 | 1 carbenicillin       | Rats       |      | Serum   | IV    | 200   | 0.16  | 0.38 |       |       |        |           |         |
| 14  | ✓      | 9006414 | 2 carbenicillin       | Rats       |      | Serum   | IV    | 200   | 0.16  | 0.77 |       |       |        |           |         |

Nass

$$Y = 0.0501X - 0.6545$$

$$CL = -0.148X + 1.1149$$

HL

$$Y = 0.1672X - 0.2264$$

$$S = \log a = -0.2264 \quad a = 0.5937$$

$$\beta = 0.1672$$

Prednisolone

$t_{1/2} = \frac{0.693}{CL_s}$

| No. | tatus | CitiNum: | Gen/Active/Ingredient: | Species:   | Age: | Matrix: | uteCo | Dose: | BW    | HL   | Vc     | Vdss  | VdArea | CLR        | AUC/Dose   |
|-----|-------|----------|------------------------|------------|------|---------|-------|-------|-------|------|--------|-------|--------|------------|------------|
| 1   | ✓     | 9003066  | 1 Prednisolone         | Cattle (D) |      | Plasma  | IV    | 0.6   | 50.3  | 3.61 | 0.0764 |       | 2.193  | 6.93       |            |
| 2   | ✓     | 9003067  | 3 Prednisolone         | Cattle (D) |      | Plasma  | IV    | 0.5   |       | 3    |        |       | 1.85   | 7.12       | 1.8        |
| 3   | ✓     | 9003069  | 1 Prednisolone         | Dogs       |      | Plasma  | IV    | 0.39  | 17    | 1.33 |        | 0.494 |        | 8.4        |            |
| 4   | ✓     | 9006636  | 1 Prednisolone         | Dogs       |      | Plasma  | IV    | 0.39  | 17    |      |        |       |        |            |            |
| 5   | ✓     | 9012910  | 1 Prednisolone         | Dogs       |      | Plasma  | IV    | 2.08  | 13    | 1    |        |       |        |            |            |
| 6   | ✓     | 9010447  | 1 Prednisolone         | Dogs       |      | Plasma  | IV    | 8.8   |       | 2.76 | 0.165  |       | 0.918  | 3.96       |            |
| 7   | ✓     | 9010447  | 2 Prednisolone         | Dogs       |      | Plasma  | IV    | 8.8   |       | 3.28 | 0.110  |       | 0.677  | 2.53       |            |
| 8   | ✓     | 9004876  | 5 Prednisolone         | Horses     |      | Plasma  | IV    | 0.6   | 59.2  | 1.65 | 0.072  |       | 0.561  | 3.92       |            |
| 9   | ✓     | 8005020  | 7 Prednisolone         | Humans     |      | Plasma  | IV    | 5     | 76.5  | 2.74 | 7.80   | 24.1  |        |            |            |
| 10  | ✓     | 8005020  | 8 Prednisolone         | Humans     |      | Plasma  | IV    | 20    | 76.5  | 2.58 | 10.80  | 34.5  |        |            |            |
| 11  | ✓     | 8005020  | 9 Prednisolone         | Humans     |      | Plasma  | IV    | 40    | 76.5  | 3.45 | 18.9   | 51.9  |        |            |            |
| 12  | ✓     | 8005020  | 10 Prednisolone        | Humans     |      | Plasma  | IV    | 5     | 76.5  | 2.99 |        |       |        |            |            |
| 13  | ✓     | 8005020  | 11 Prednisolone        | Humans     |      | Plasma  | IV    | 20    | 76.5  | 3.19 |        |       |        |            |            |
| 14  | ✓     | 8005020  | 12 Prednisolone        | Humans     |      | Plasma  | IV    | 40    | 76.5  | 4.15 |        |       |        |            |            |
| 15  | ✓     | 9004344  | 1 Prednisolone         | Rabbits    |      | PLASMA  | IV    |       | 3     | 0.76 |        |       |        | 0.21/dose  |            |
| 16  | ✓     | 9004344  | 3 Prednisolone         | Rabbits    |      | PLASMA  | IV    |       | 3     | 1.06 |        |       |        | 0.017/dose |            |
| 17  | ✓     | 9004697  | 1 Prednisolone         | Rabbits    |      | Plasma  | IV    | 0     |       |      |        |       |        |            |            |
| 18  | ✓     | 9005138  | 1 Prednisolone         | Rabbits    |      | Serum   | IV    | 0.5   | 13.4  |      |        |       |        | 8.62       |            |
| 19  | ✓     | 9005138  | 2 Prednisolone         | Rabbits    |      | Serum   | IV    | 10    | 3.4   |      |        |       |        | 11.17      |            |
| 20  | ✓     | 9004344  | 2 Prednisolone         | Rabbits    |      | PLASMA  | IV    |       | 3     | 0.58 |        |       |        | 105        | 0.017/dose |
| 21  | ✓     | 9004344  | 4 Prednisolone         | Rabbits    |      | PLASMA  | IV    |       | 3     | 0.59 |        |       |        | 220        | 0.08/dose  |
| 22  | ✓     | 9004697  | 3 Prednisolone         | Rabbits    |      | Plasma  | IV    | 0     |       |      |        |       |        |            |            |
| 23  | ✓     | 9004697  | 4 Prednisolone         | Rabbits    |      | Plasma  | IV    | 0     |       |      |        |       |        |            |            |
| 24  | ✓     | 9004697  | 5 Prednisolone         | Rabbits    |      | Plasma  | IV    | 0     |       |      |        |       |        |            |            |
| 25  | ✓     | 9004454  | 4 Prednisolone         | Rabbits    |      | Serum   | IV    | 2.21  | 2.8   | 1.82 |        |       |        | 17.083     | 0.9773     |
| 26  | ✓     | 9004454  | 5 Prednisolone         | Rabbits    |      | Serum   | IV    | 2.21  | 2.8   | 1.73 |        |       |        | 17.063     | 0.9729     |
| 27  | ✓     | 9004454  | 6 Prednisolone         | Rabbits    |      | Serum   | IV    | 2.21  | 2.8   | 0.99 |        |       |        | 16.25      | 1.0362     |
| 28  | ✓     | 9000956  | 1 Prednisolone         | Rabbits    |      | Plasma  | IV    |       | 4.225 |      |        |       |        | 9.02       |            |
| 29  | ✓     | 9000956  | 13 Prednisolone        | Rabbits    |      | Plasma  | IV    |       | 3.982 |      |        |       |        | 10.58      |            |
| 30  | ✓     | 9000956  | 26 Prednisolone        | Rabbits    |      | Plasma  | IV    |       | 3.621 |      |        |       |        | 12.38      |            |
| 31  | ✓     | 9000956  | 38 Prednisolone        | Rabbits    |      | Plasma  | IV    |       | 3.838 |      |        |       |        | 12.72      |            |
| 32  | ✓     | 9000956  | 52 Prednisolone        | Rabbits    |      | Plasma  | IV    |       | 4.680 |      |        |       |        | 7.86       |            |

1.9



The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that every entry should be supported by a valid receipt or invoice. This ensures transparency and allows for easy verification of the data.

In the second section, the author details the various methods used to collect and analyze the data. This includes both manual data entry and the use of specialized software tools. The goal is to ensure that the data is both accurate and easy to interpret.

The third part of the document provides a detailed breakdown of the results. It shows that there has been a significant increase in sales over the period, which is a positive indicator for the business. However, it also notes some areas where costs have increased, which may need to be addressed in the future.

Finally, the document concludes with a series of recommendations for future actions. These include implementing more robust internal controls, investing in new technology, and continuing to monitor the market closely. The author believes that these steps will help the business to grow and succeed in the long run.

| No. | Status | CitNum  | Gen | ActiveIngredient | Species | Age | Matrix    | uteCo | Dose: | BW    | HL   | Vc   | Vdss | VdArea | CLR       | AUC     | Dose |
|-----|--------|---------|-----|------------------|---------|-----|-----------|-------|-------|-------|------|------|------|--------|-----------|---------|------|
|     |        |         |     |                  |         |     |           |       | mg/kg | kg    |      | l/kg | l/kg | l/kg   | ml/min*kg | ug*h/ml |      |
| 33  | ✓      | 9004344 | 6   | Prednisone       | Rabbits |     | PLASMA IV |       |       | 3     | 1.35 |      |      |        |           | 0.22/D  |      |
| 34  | ✓      | 9004344 | 8   | Prednisone       | Rabbits |     | PLASMA IV |       |       | 3     | 0.8  |      |      |        | 19        |         |      |
| 35  | ✓      | 9004344 | 9   | Prednisone       | Rabbits |     | PLASMA IV |       |       | 3     |      |      |      |        |           |         |      |
| 36  | ✓      | 9004344 | 10  | Prednisone       | Rabbits |     | PLASMA IV |       |       | 3     |      |      |      |        |           |         |      |
| 37  | ✓      | 9004344 | 11  | Prednisone       | Rabbits |     | PLASMA IV |       |       | 3     |      |      |      |        |           |         |      |
| 38  | ✓      | 9004344 | 12  | Prednisone       | Rabbits |     | PLASMA IV |       |       | 3     |      |      |      |        |           |         |      |
| 39  | ✓      | 9004344 | 13  | Prednisone       | Rabbits |     | PLASMA IV |       |       | 3     |      |      |      |        |           |         |      |
| 40  | ✓      | 9004344 | 14  | Prednisone       | Rabbits |     | PLASMA IV |       |       | 3     |      |      |      |        |           |         |      |
| 41  | ✓      | 9000965 | 1   | prednisolone     | Rats    |     | Plasma IV |       | 0.37  | 0.275 | 0.15 |      |      |        |           | 0.486   |      |
| 42  | ✗      | 9006660 | 1   | prednisolone     | Rats    |     | Plasma IV |       | 0     |       |      |      |      |        |           |         |      |
| 43  | ✓      | 9014148 | 1   | prednisolone     | Rats    |     | Plasma IV |       | 10    | 0.27  |      |      |      |        |           |         |      |
| 44  | ✓      | 9014148 | 3   | prednisolone     | Rats    |     | Plasma IV |       | 10    | 0.27  |      |      |      |        |           |         |      |
| 45  | ✓      | 9014148 | 2   | Prednisolone     | Rats    |     | Plasma IV |       | 10    | 0.27  |      |      |      |        |           |         |      |
| 46  | ✓      | 9014148 | 4   | Prednisolone     | Rats    |     | Plasma IV |       | 10    | 0.27  |      |      |      |        |           |         |      |
| 47  | ✓      | 9004431 | 1   | Prednisolone     | Rats    |     | Plasma IV |       | 5     | 0.375 | 0.5  |      | 2.13 |        | 105.66    |         |      |
| 48  | ✓      | 9004431 | 2   | Prednisolone     | Rats    |     | Plasma IV |       | 50    | 0.375 | 0.53 |      | 1.04 |        | 49.33     |         |      |
| 49  | ✓      | 9004431 | 3   | Prednisolone     | Rats    |     | Plasma IV |       | 50    | 0.375 | 0.51 |      | 1.05 |        | 52.83     |         |      |
| 50  | ✓      | 9004431 | 4   | Prednisolone     | Rats    |     | Plasma IV |       | 5     | 0.375 | 0.46 |      | 2.14 |        | 100.17    |         |      |
| 51  | ✓      | 9004431 | 5   | Prednisolone     | Rats    |     | Plasma IV |       | 5     | 0.375 |      |      |      |        |           |         |      |
| 52  | ✓      | 9004431 | 6   | Prednisolone     | Rats    |     | Plasma IV |       | 50    | 0.375 |      |      |      |        |           |         |      |
| 53  | ✓      | 9004431 | 7   | Prednisolone     | Rats    |     | Plasma IV |       | 50    | 0.375 |      |      |      |        |           |         |      |
| 54  | ✓      | 9004431 | 8   | Prednisolone     | Rats    |     | Plasma IV |       | 5     | 0.375 |      |      |      |        |           |         |      |
| 55  | ✓      | 9005193 | 9   | Prednisone       | Rhesus  |     | Serum IV  |       | 1     | 4.5   | 1.3  |      |      |        |           |         |      |
| 56  | ✓      | 9003075 | 6   | Prednisone       | Sheep   |     | Plasma IV |       | 0.5   | 27.9  | 0.29 |      |      |        |           | 0.208   |      |
| 57  | ✓      | 9003075 | 7   | Prednisone       | Sheep   |     | Plasma IV |       | 0.5   | 27.9  | 0.37 |      |      |        |           | 0.16    |      |
| 58  | ✓      | 9003075 | 8   | Prednisone       | Sheep   |     | Plasma IV |       | 0.5   | 27.9  | 0.47 |      |      |        |           | 0.18    |      |
| 59  | ✓      | 9003075 | 9   | Prednisone       | Sheep   |     | Plasma IV |       | 0.5   | 27.9  | 0.63 |      |      |        |           | 0.26    |      |
| 60  | ✓      | 9003075 | 10  | Prednisone       | Sheep   |     | Plasma IV |       | 0.5   | 27.9  | 0.64 |      |      |        |           | 0.22    |      |
| 61  | ✓      | 9004548 | 1   | prednisolone     | Swine   |     | Blood IV  |       | 0.8   | 32.   | 0.73 |      | 1.2  |        | 25.7      | 0.559   |      |

| No. | tatus | CitiNum: | Genl | ActiveIngredient | Species:   | Age:  | Matrix: | uteCol | Dose: | BW    | HL   | Vc    | VDss     | VDArea    | CLR       | AUC/D     |
|-----|-------|----------|------|------------------|------------|-------|---------|--------|-------|-------|------|-------|----------|-----------|-----------|-----------|
|     |       |          |      |                  |            | yrs   |         |        | mg/kg | kg    | Hrs  | l/kg  | l/kg     | ml/min*kg | ug*h/ml   | ug*h/ml   |
| 1   | ✓     | 9004575  | 1    | Gentamicin       | Buffalo    | 0.291 | Plasma  | IV     | 5     | 65    | 4.89 |       | 0.322    | 0.44      | 0.853     | 96.69     |
| 2   | ✓     | 9012187  | 1    | Gentamicin       | Buffalo    |       | Plasma  | IV     | 5     | 520   | 3.06 | 0.23  | 0.40     | 0.44      | 2.890578  | 48.4      |
| 3   | ✓     | 9010322  | 1    | gentamicin       | Camel      |       | Blood   | IV     | 2     | 300   | 2.93 | 0.196 |          | 0.321     | 1.35      | 25.4      |
| 4   | ✓     | 9010322  | 2    | gentamicin       | Camel      |       | Blood   | IV     | 2     | 300   | 3.66 | 0.164 |          | 0.371     | 1.19      | 29.1      |
| 5   | ✓     | 9004640  | 1    | gentamicin       | Camel      |       | Serum   | IV     | 2     | 300   | 2.93 | 0.196 |          | 0.321     | 1.35      | 25.4      |
| 6   | ✓     | 9004640  | 2    | gentamicin       | Camel      |       | Serum   | IV     | 2     | 300   | 3.7  | 0.164 |          | 0.371     | 1.19      | 29.1      |
| 7   | ✓     | 9009952  | 1    | Gentamicin       | Camel      | 6-Apr | Serum   | IV     | 3     | 220   | 2.92 |       | 0.26     |           | 1.045209  | 49.13     |
| 8   | ✓     | 9004122  | 1    | gentamicin       | Cats       |       | Plasma  | IV     | 3     |       | 1.37 |       | 0.11855  |           | 1.07      | 49.28     |
| 9   | ✓     | 9006722  | 2    | gentamicin       | Cats       |       | Plasma  | IV     | 20    | 3.25  | 3.34 |       | 1.22     |           | 4.2260117 | 76.891710 |
| 10  | ✓     | 9000908  | 2    | gentamicin       | Cats       |       | Serum   | IV     | 4.4   |       | 1.21 |       |          |           | 2.18      |           |
| 11  | ✓     | 9000908  | 3    | gentamicin       | Cats       |       | Serum   | IV     | 4.4   |       | 1.13 |       |          |           | 1.98      |           |
| 12  | ✓     | 9000908  | 4    | gentamicin       | Cats       |       | Serum   | IV     | 4.4   |       | 1.36 |       |          |           | 1.61      |           |
| 13  | ✓     | 9000908  | 5    | gentamicin       | Cats       |       | Serum   | IV     | 4.4   |       | 1.19 |       |          |           | 1.64      |           |
| 14  | ✓     | 9004302  | 1    | Gentamicin       | Cats       |       | Serum   | IV     | 5     | 2.8   | 1.25 |       | 0.14     |           | 64.2817   |           |
| 15  | ✓     | 9004308  | 1    | Gentamicin       | Cats       |       | Serum   | IV     | 3     | 3.8   | 1.28 |       | 0.20     |           | 25.1917   |           |
| 16  | ✓     | 9004308  | 6    | Gentamicin       | Cats       |       | Serum   | IV     | 3     | 3.8   | 1.08 |       | 0.19     |           | 20.96     |           |
| 17  | ✓     | 9006322  | 1    | gentamicin       | Cats       |       | Serum   | IV     | 0     |       |      |       |          |           |           |           |
| 18  | ✓     | 9006732  | 1    | gentamicin       | Cats       |       | Serum   | IV     | 4.4   |       | 1.36 | 0.08  | 0.18     |           | 1.61      |           |
| 19  | ✓     | 9006732  | 2    | gentamicin       | Cats       |       | Serum   | IV     | 4.4   |       | 1.27 | 0.088 | 0.183    | 0.207     | 1.88      |           |
| 20  | ✓     | 8004626  | 1    | gentamicin       | Cattle (D) |       | Plasma  | IV     | 4.4   |       | 3.29 |       | 0.52851  |           | 2.32      |           |
| 21  | ✓     | 9001114  | 1    | gentamicin       | Cattle (D) |       | Plasma  | IV     | 4     | 562.5 | 1.4  |       | 0.14146  |           | 1.32      | 50.576032 |
| 22  | ✓     | 9004713  | 1    | gentamicin       | Cattle (?) | 0.416 | Plasma  | IV     | 5     | 425   | 1.04 |       | 0.25215  |           | 3.44      | 24.03     |
| 23  | ✓     | 9009791  | 3    | Gentamicin       | Cattle (D) |       | Plasma  | IV     | 5     |       | 1.67 |       | 0.22299  |           | 1.71      | 48.751845 |
| 24  | ✓     | 8005094  | 7    | gentamicin       | Cattle (?) |       | Serum   | IV     | 2     | 104   | 0.64 |       | 0.0958   |           | 3.01      | 11.089370 |
| 25  | ✓     | 8005094  | 8    | gentamicin       | Cattle (?) |       | Serum   | IV     | 2     | 104   | 0.98 |       | 0.1929   |           | 4.16      | 8.004530  |
| 26  | ✓     | 9000916  | 1    | gentamicin       | Cattle (D) | 0.04  | Serum   | IV     | 4     |       |      |       |          |           |           |           |
| 27  | ✓     | 9001114  | 2    | gentamicin       | Cattle (D) | 0.041 | Serum   | IV     | 4     |       | 2.19 | 0.124 | 0.36427  |           | 2.14      | 31.108825 |
| 28  | ✓     | 9001114  | 3    | gentamicin       | Cattle (D) | 0.027 | Serum   | IV     | 4     |       | 2.48 | 0.127 | 0.440157 |           | 2.08      | 32.076106 |
| 29  | ✓     | 9001114  | 4    | gentamicin       | Cattle (D) | 0.013 | Serum   | IV     | 4     |       | 2.38 | 0.150 | 0.45746  |           | 2.47      |           |
| 30  | ✓     | 9001114  | 5    | gentamicin       | Cattle (D) | 0.002 | Serum   | IV     | 4     |       | 3.13 | 0.153 | 0.45168  |           | 1.82      |           |
| 31  | ✓     | 9001135  | 3    | gentamicin       | Cattle (D) | 0.086 | Serum   | IV     | 3     | 55    | 2.86 |       | 0.87139  |           | 5.7731544 | 8.662546  |

| No. <input checked="" type="checkbox"/> | status                              | CitNum: | GenActiveIngredient | Species:   | Age:  | Matrix: | uteCoDose: | BW               | HL    | Vc     | VDss    | VDArea    | CLR      | AUC <sub>0-∞</sub> |
|---|-------------------------------------|---------|---------------------|------------|-------|---------|------------|------------------|-------|--------|---------|-----------|----------|--------------------|
|   |                                     |         |                     |            | yrs   |         | mg/kg      | kg               | Hrs   | l/kg   | l/kg    | ml/min*kg | ug*/h/ml |                    |
| 32                                      | <input checked="" type="checkbox"/> | 9001135 | 26 Gentamicin       | Cattle (D) | 0.16  | Serum   | 3          | 82.5             |       |        |         |           |          | 7.959521           |
| 33                                      | <input checked="" type="checkbox"/> | 9001135 | 27 Gentamicin       | Cattle (D) | 0.17  | Serum   | 3          | 82.5             |       |        |         |           |          |                    |
| 34                                      | <input checked="" type="checkbox"/> | 9001216 | 1 gentamicin        | Cattle (D) |       | Serum   | 5          | 55.9             | 2.1   |        | 0.38226 |           | 2.46     | 33.923358          |
| 35                                      | <input checked="" type="checkbox"/> | 9001216 | 2 gentamicin        | Cattle (D) | 0.1   | Serum   | 5          | 55.9             | 2.7   |        | 0.40003 |           | 1.88     | 44.371601          |
| 36                                      | <input checked="" type="checkbox"/> | 9001216 | 5 gentamicin        | Cattle (D) |       | Serum   | 5          | 55.9             |       |        | 0.19419 |           | 1.32     |                    |
| 37                                      | <input checked="" type="checkbox"/> | 9001368 | 1 gentamicin        | Cattle (M) |       | Serum   | 5          | 318              | 2.82  |        |         |           |          | 63.382588          |
| 38                                      | <input checked="" type="checkbox"/> | 9004448 | 1 gentamicin        | Cattle (D) | 0.004 | Serum   | 5          |                  | 2.92  | 0.127  |         | 0.422     | 1.75     |                    |
| 39                                      | <input checked="" type="checkbox"/> | 9004448 | 2 gentamicin        | Cattle (D) | 0.019 | Serum   | 5          |                  | 2.57  | 0.121  |         | 0.444     | 2.08     |                    |
| 40                                      | <input checked="" type="checkbox"/> | 9004448 | 3 gentamicin        | Cattle (D) | 0.038 | Serum   | 5          |                  | 2.09  | 0.093  |         | 0.306     | 1.74     |                    |
| 41                                      | <input checked="" type="checkbox"/> | 9004448 | 4 gentamicin        | Cattle (D) | 0.077 | Serum   | 5          |                  | 2.4   | 0.1    |         | 0.296     | 1.51     |                    |
| 42                                      | <input checked="" type="checkbox"/> | 9004448 | 5 gentamicin        | Cattle (D) | 0.115 | Serum   | 5          |                  | 2.16  | 0.099  |         | 0.296     | 1.68     |                    |
| 43                                      | <input checked="" type="checkbox"/> | 9004448 | 6 gentamicin        | Cattle (D) | 0.68  | Serum   | 5          |                  | 1.73  | 0.078  |         | 0.216     | 1.86     |                    |
| 44                                      | <input checked="" type="checkbox"/> | 9004577 | 1 Gentamicin        | Cattle (D) |       | Serum   | 5          | 115              | 51.14 |        | 0.69297 |           | 1.36     | 61.211509          |
| 45                                      | <input checked="" type="checkbox"/> | 9004577 | 2 Gentamicin        | Cattle (D) |       | Serum   | 5          | 115              | 7.8   |        | 0.39072 |           | 1.166    | 71.510013          |
| 46                                      | <input checked="" type="checkbox"/> | 9010634 | 5 Gentamicin        | Cattle (D) | 3     | Serum   | 5          | 580              | 3.53  | 0.059  | 0.103   | 0.106     | 0.35     |                    |
| 47                                      | <input checked="" type="checkbox"/> | 9015425 | 1 Gentamicin        | Chickens   |       | Blood   | 5          | <del>11.52</del> |       |        |         |           |          |                    |
| 48                                      | <input checked="" type="checkbox"/> | 9012128 | 1 gentamicin        | Chickens   |       | Plasma  | 5          | 2                | 2.93  |        | 0.77    | 1.68      | 5.06     | 34.58              |
| 49                                      | <input checked="" type="checkbox"/> | 9012745 | 1 Gentamicin        | Chickens   |       | Plasma  | 4          | 1.2              | 2.19  |        |         | 0.97      | 5.00     |                    |
| 50                                      | <input checked="" type="checkbox"/> | 9015741 | 1 gentamicin        | Chickens   |       | Plasma  | 5          | <del>11.52</del> |       |        |         |           |          |                    |
| 51                                      | <input checked="" type="checkbox"/> | 9001065 | 2 gentamicin        | Chickens   |       | Serum   | 5          |                  | 3.49  |        | 0.209   |           | 4.15     |                    |
| 52                                      | <input checked="" type="checkbox"/> | 9003979 | 2 gentamicin        | Chickens   |       | Serum   | 5          | 4.7              | 3.38  | 0.0993 | 0.209   | 0.228     | 0.775    |                    |
| 53                                      | <input checked="" type="checkbox"/> | 9003128 | 1 gentamicin        | Dogs       |       | Plasma  | 10         |                  |       | 0.192  | 0.341   |           | 4.1      |                    |
| 54                                      | <input checked="" type="checkbox"/> | 9003128 | 2 gentamicin        | Dogs       |       | Plasma  | 10         |                  |       | 0.286  | 0.512   |           | 5.3      |                    |
| 55                                      | <input checked="" type="checkbox"/> | 9006487 | 2 Gentamicin        | Dogs       |       | Plasma  | 1.7        | 20               |       |        |         |           |          |                    |
| 56                                      | <input checked="" type="checkbox"/> | 9006754 | 1 Gentamicin        | Dogs       | 0.5   | Plasma  | 10         |                  | 0.99  |        |         | 4.26      | 4.85     |                    |
| 57                                      | <input checked="" type="checkbox"/> | 9009344 | 1 gentamicin        | Dogs       |       | Plasma  | 10         |                  |       |        |         |           |          |                    |
| 58                                      | <input checked="" type="checkbox"/> | 9010166 | 1 gentamicin c1     | Dogs       |       | Plasma  | 10         |                  |       |        |         |           |          |                    |
| 59                                      | <input checked="" type="checkbox"/> | 9010166 | 2 gentamicin        | Dogs       |       | Plasma  | 10         |                  |       |        |         |           |          |                    |
| 60                                      | <input checked="" type="checkbox"/> | 9010166 | 3 gentamicin c2     | Dogs       |       | Plasma  | 10         |                  |       |        |         |           |          |                    |
| 61                                      | <input checked="" type="checkbox"/> | 9010177 | 1 gentamicin        | Dogs       |       | Plasma  | 10         |                  |       |        |         |           |          |                    |
| 62                                      | <input checked="" type="checkbox"/> | 9000224 | 1 gentamicin        | Dogs       |       | Serum   | 10         | 6.2              | 1.02  | 1.74   |         | 0.354     | 4.08     |                    |
| 63                                      | <input checked="" type="checkbox"/> | 9000337 | 2 gentamicin        | Dogs       |       | Serum   | 1.7        | 20               | 0.51  | 0.047  | 0.047   | 0.047     | 1.05     |                    |

## Gentamicin

| No. | tatus | CitNum: | GenM | ActiveIngredient | Species: | Age: | Matrix: | uteCo | Dose: | BW   | HL    | Vc    | VDss      | VDArea   | CLR   | AUC/D     |
|-----|-------|---------|------|------------------|----------|------|---------|-------|-------|------|-------|-------|-----------|----------|-------|-----------|
|     |       |         |      |                  |          | yrs  |         | mg/kg | kg    | Hrs  | l/kg  | l/kg  | ml/min*kg | ug*/h/ml |       |           |
| 64  | ✓     | 9000339 | 1    | gentamicin       | Dogs     |      | Serum   | IV    | 1.5   | 12.5 |       |       |           |          |       |           |
| 65  | ✓     | 9000339 | 5    | gentamicin       | Dogs     |      | Serum   | IV    | 1.5   | 12.5 |       |       |           |          |       |           |
| 66  | ✓     | 9000350 | 4    | gentamicin       | Dogs     | 1.5  | Serum   | IV    | 4     | 9    | 1.33  | 0.266 | 0.378     |          | 3.78  |           |
| 67  | ✓     | 9000350 | 5    | gentamicin       | Dogs     | 1.5  | Serum   | IV    | 4     | 9    | 1.06  | 0.139 | 0.255     |          | 3.33  |           |
| 68  | ✓     | 9000350 | 6    | gentamicin       | Dogs     | 1.5  | Serum   | IV    | 2     | 9    | 1.28  | 0.258 | 0.407     |          | 4.56  |           |
| 69  | ✓     | 9000350 | 8    | gentamicin       | Dogs     | 1.6  | Serum   | IV    | 2     | 9    | 1.28  | 0.187 | 0.440     |          | 4.78  |           |
| 70  | ✓     | 9000467 | 1    | gentamicin       | Dogs     |      | Serum   | IV    | 5     | 19.5 | 3.26  |       | 0.73528   |          | 3.698 |           |
| 71  | ✓     | 9000467 | 2    | gentamicin       | Dogs     |      | Serum   | IV    | 20    | 19.5 | 1.97  |       | 0.29574   |          | 2.24  |           |
| 72  | ✓     | 9001137 | 1    | gentamicin       | Dogs     |      | Serum   | IV    | 10    |      | 5.3   |       |           |          |       |           |
| 73  | ✓     | 9001137 | 2    | gentamicin       | Dogs     |      | Serum   | IV    | 10    |      | 31    |       |           |          |       |           |
| 74  | ✓     | 9001137 | 3    | gentamicin       | Dogs     |      | Serum   | IV    | 10    |      | 26.35 |       |           |          |       |           |
| 75  | ✓     | 9003129 | 1    | gentamicin       | Dogs     | 0.4  | Serum   | IV    | 10    | 6.2  | 1.01  | 0.174 |           | 0.354    | 4.08  |           |
| 76  | ✓     | 9003133 | 1    | gentamicin       | Dogs     |      | Serum   | IV    | 10    | 9.36 | 1.26  | 0.111 | 0.60      | 0.335    | 2.94  |           |
| 77  | ✓     | 9003133 | 2    | gentamicin       | Dogs     |      | Serum   | IV    | 10    | 10   | 1.28  |       | 0.23017   |          | 2.55  | 65.419024 |
| 78  | ✓     | 9004120 | 1    | gentamicin       | Dogs     |      | Serum   | IV    | 4.4   | 18   | 1.1   |       | 0.198     | 0.320    | 2.84  | 28.8667   |
| 79  | ✓     | 9004120 | 2    | gentamicin       | Dogs     |      | Serum   | IV    | 4.4   | 18   | 1.08  |       | 0.175     | 0.227    | 2.27  | 33.05     |
| 80  | ✓     | 9004120 | 3    | gentamicin       | Dogs     |      | Serum   | IV    | 4.4   | 18   | 46.84 |       | 0.405     |          |       | 26.783    |
| 81  | ✓     | 9004120 | 4    | gentamicin       | Dogs     |      | Serum   | IV    | 4.4   | 18   | 15.4  |       | 8.56      |          |       | 50.633    |
| 82  | ✓     | 9006250 | 1    | gentamicin       | Dogs     |      | Serum   | IV    | 3     | 15.2 | 1.78  |       | 0.329     | 0.351    | 2.88  |           |
| 83  | ✓     | 9006250 | 3    | gentamicin       | Dogs     |      | Serum   | IV    | 3     | 15.2 | 1.79  |       | 0.37      | 0.49     | 3.28  |           |
| 84  | ✓     | 9006250 | 6    | gentamicin       | Dogs     |      | Serum   | IV    | 3     | 15.2 | 2.2   |       | 0.404     | 0.450    | 2.64  |           |
| 85  | ✓     | 9006250 | 8    | gentamicin       | Dogs     |      | Serum   | IV    | 25    | 15.2 | 1.6   |       | 0.264     | 0.251    | 2.51  |           |
| 86  | ✓     | 9006396 | 1    | gentamicin       | Dogs     |      | Serum   | IV    | 0     |      |       |       |           |          |       |           |
| 87  | ✓     | 9006524 | 1    | gentamicin       | Dogs     |      | Serum   | IV    | 0     |      |       |       |           |          |       |           |
| 88  | ✓     | 9006754 | 2    | gentamicin       | Dogs     | 0.5  | Serum   | IV    | 10    |      | 1.29  |       |           | 3.78     | 3.27  | 3.67      |
| 89  | ✓     | 9006754 | 3    | gentamicin       | Dogs     | 0.5  | Serum   | IV    | 10    |      | 1.23  |       |           | 3.71     | 3.22  | 3.82      |
| 90  | ✓     | 9010452 | 2    | gentamicin       | Dogs     |      | Serum   | IV    | 0     |      |       |       |           |          |       |           |
| 91  | ✓     | 9010551 | 1    | gentamicin       | Dogs     |      | Serum   | IV    | 0     |      |       |       |           |          |       |           |
| 92  | ✓     | 9013558 | 3    | gentamicin       | Dogs     |      | Serum   | IV    | 4     | 14   | 1.1   |       |           |          |       | 20.04     |
| 93  | ✓     | 8004631 | 1    | gentamicin       | Donkeys  | 4.5  | Plasma  | IV    | 2.2   | 253  | 1.87  |       | 0.203     |          | 1.67  | 23.245    |
| 94  | ✓     | 8004631 | 2    | gentamicin       | Donkeys  | 4.5  | Plasma  | IV    | 2.2   | 253  | 2.81  |       | 0.220     |          | 1.27  | 29.07     |
| 95  | ✓     | 9000225 | 3    | gentamicin       | Eagles   |      | Serum   | IV    | 10    | 3    | 2.45  |       |           | 0.21     | 1.01  |           |

| No. | status | CitNum: | Gen | Active     | Ingredient | Species: | Age: | Matrix:  | ute | Col | Dose: | BW | HL   | Vc     | VDss   | VDArea    | CLR     | AUC/D   |
|-----|--------|---------|-----|------------|------------|----------|------|----------|-----|-----|-------|----|------|--------|--------|-----------|---------|---------|
|     |        |         |     |            |            |          | Age: |          |     |     | mg/kg | kg | Hrs  | I/kg   | I/kg   | ml/min*kg | ug*h/ml |         |
|     |        |         |     |            |            |          | yrs  |          |     |     |       |    |      |        |        |           |         |         |
| 96  | ✓      | 9015849 | 1   | Gentamicin | Equine     |          |      | Plasma   | IV  | 12  |       |    | 8.2  |        |        |           |         |         |
| 97  | ✓      | 9015849 | 2   | Gentamicin | Equine     |          |      | Plasma   | IV  | 12  |       |    | 5.8  |        |        |           |         |         |
| 98  | ✓      | 9015849 | 3   | Gentamicin | Equine     |          |      | Plasma   | IV  | 12  |       |    | 3.7  |        |        |           |         |         |
| 99  | ✓      | 9015849 | 4   | Gentamicin | Equine     |          |      | Plasma   | IV  | 12  |       |    | 4    |        |        |           |         |         |
| 100 | ✓      | 9015849 | 5   | Gentamicin | Equine     |          |      | Plasma   | IV  | 12  |       |    | 4.4  |        |        |           |         |         |
| 101 | ✓      | 9001341 | 4   | Gentamicin | Goats      |          | 1    | Plasma   | IV  | 3   |       |    | 4.2  |        |        |           |         |         |
| 102 | ✓      | 9007196 | 1   | Gentamicin | Goats      |          | 1    | Plasma   | IV  | 3   | 11.3  |    | 5.06 | 0.3146 | 0.5845 |           | 1.88    | 26.96   |
| 103 | ✓      | 9007196 | 2   | Gentamicin | Goats      |          | 1    | Plasma   | IV  | 3   | 11.3  |    | 6.8  | 0.2151 | 0.4879 |           | 1.59    | 31.66   |
| 104 | ✓      | 9007196 | 3   | Gentamicin | Goats      |          | 1    | Plasma   | IV  | 3   | 11.3  |    | 6.91 | 0.2222 | 0.3986 |           | 1.21    | 42.21   |
| 105 | ✓      | 9007196 | 4   | Gentamicin | Goats      |          | 1    | Plasma   | IV  | 3   | 11.3  |    | 8.66 | 0.1714 | 0.3668 |           | 1.00    | 51.12   |
| 106 | ✓      | 9007389 | 1   | gentamicin | Goats      |          | 1    | Plasma   | IV  | 3   | 12    |    | 4.44 |        |        | 0.3       | 2.44    | 26.435  |
| 107 | ✓      | 9009988 | 1   | gentamicin | Goats      |          |      | Plasma   | IV  | 10  | 12.5  |    | 2.05 | 0.10   | 0.23   |           | 1.37    | 8.58    |
| 108 | ✓      | 9013402 | 1   | gentamicin | Goats      |          |      | Plasma   | IV  | 5   |       |    |      |        |        |           |         |         |
| 109 | ✓      | 9000348 | 1   | gentamicin | Goats      |          |      | Serum    | IV  | 5   | 12    |    | 0.96 |        |        |           |         |         |
| 110 | ✓      | 9005428 | 1   | Gentamicin | Goats      |          | 1.25 | Serum    | IV  | 5   | 13    |    | 1.73 | 0.0438 | 0.1995 |           | 3.10    | 27.7    |
| 111 | ✓      | 9005428 | 2   | Gentamicin | Goats      |          | 1.25 | Serum    | IV  | 5   | 13    |    | 2.27 | 0.082  | 0.235  |           | 1.7     | 48.42   |
| 112 | ✓      | 9000305 | 1   | gentamicin | Guinea     |          |      | Plasma   | IV  | 40  | 0.325 |    | 7.87 | 0.1598 |        |           | 1.6     | 53      |
| 113 | ✓      | 9001179 | 2   | gentamicin | Guinea     |          |      | Plasma   | IV  | 12  | 0.279 |    | 0.96 |        |        |           | 3.4     | 25975   |
| 114 | ✓      | 9001179 | 5   | gentamicin | Guinea     |          |      | Plasma   | IV  | 12  | 0.268 |    | 0.64 |        |        |           |         | 15.9117 |
| 115 | ✓      | 9000225 | 2   | gentamicin | Hawks      |          |      | Serum    | IV  | 10  | 1.38  |    | 1.35 |        |        | 0.24      | 2.09    |         |
| 116 | ✓      | 9006004 | 3   | Gentamicin | Horses     |          |      | Add info | IV  | 3.3 |       |    |      |        |        |           |         |         |
| 117 | ✓      | 9000222 | 1   | gentamicin | Horses     |          | 12   | Blood    | IV  | 5   | 56    |    | 2.54 | 0.167  | 0.243  |           | 1.15    |         |
| 118 | ✓      | 9010451 | 1   | Gentamicin | Horses     |          |      | Blood    | IV  | 0   |       |    |      |        |        |           |         |         |
| 119 | ✓      | 9004306 | 2   | Gentamicin | Horses     |          | 4    | Plasma   | IV  | 2.2 |       |    | 1.75 |        | 0.24   |           | 1.57    | 23.73   |
| 120 | ✓      | 9004811 | 1   | gentamicin | Horses     |          | 4.3  | Plasma   | IV  | 2.2 |       |    | 1.38 |        | 0.17   |           | 1.28    |         |
| 121 | ✓      | 9004811 | 2   | gentamicin | Horses     |          | 4.3  | Plasma   | IV  | 2.2 |       |    | 1.31 |        | 0.21   |           | 1.8337  |         |
| 122 | ✓      | 9004811 | 3   | gentamicin | Horses     |          | 4.3  | Plasma   | IV  | 2.2 |       |    | 1.69 |        | 0.17   |           | 1.11    |         |
| 123 | ✓      | 9006004 | 2   | gentamicin | Horses     |          |      | Plasma   | IV  | 0   |       |    |      |        |        |           |         |         |
| 124 | ✓      | 9006044 | 1   | gentamicin | Horses     |          |      | Plasma   | IV  | 2.2 |       |    | 4.4  | 0.15   | 0.24   |           | 1.192   | 30.8    |
| 125 | ✓      | 9006044 | 2   | gentamicin | Horses     |          |      | Plasma   | IV  | 2.2 |       |    | 3.4  | 0.15   | 0.22   |           | 1.152   | 31.8    |
| 126 | ✓      | 9006778 | 1   | Gentamicin | Horses     |          |      | Plasma   | IV  | 0   |       |    |      |        |        |           |         |         |
| 127 | ✓      | 9007287 | 1   | gentamicin | Horses     |          |      | Plasma   | IV  | 0   |       |    |      |        |        |           |         |         |

| No. | tatus | CitNum: | Gen | ActiveIngredient | Species: | Age:  | Matrix: | uteCo | Dose: | BW   | HL     | Vc     | VDss    | VDArea    | CLR      | AUC/D     |
|-----|-------|---------|-----|------------------|----------|-------|---------|-------|-------|------|--------|--------|---------|-----------|----------|-----------|
|     |       |         |     |                  |          | yrs   |         |       | mg/kg | kg   | Hrs    | I/kg   | I/kg    | ml/min*kg | ug*/h/ml |           |
| 128 | ✓     | 9009791 | 2   | Gentamicin       | Horses   |       | Plasma  | IV    | 5     | 75   | 1.68   |        | 0.33654 |           | 2.95     | 28.282302 |
| 129 | ✓     | 9010156 | 1   | gentamicin c1    | Horses   |       | Plasma  | IV    | 0     |      |        |        |         |           |          |           |
| 130 | ✓     | 9010156 | 2   | gentamicin       | Horses   |       | Plasma  | IV    | 0     |      |        |        |         |           |          |           |
| 131 | ✓     | 9010156 | 3   | gentamicin c2    | Horses   |       | Plasma  | IV    | 0     |      |        |        |         |           |          |           |
| 132 | ✓     | 9010174 | 1   | Gentamicin       | Horses   |       | Plasma  | IV    | 0     |      |        |        |         |           |          |           |
| 133 | ✓     | 9010490 | 1   | gentamicin       | Horses   |       | Plasma  | IV    | 0     |      |        |        |         |           |          |           |
| 134 | ✓     | 9010572 | 1   | gentamicin       | Horses   |       | Plasma  | IV    | 2.2   |      | 1.82   |        | 0.151   | 0.182     | 1.11     | 33.5      |
| 135 | ✓     | 9010572 | 2   | gentamicin       | Horses   |       | Plasma  | IV    | 2.2   |      | 1.96   |        | 0.153   | 0.183     | 1.04     | 35.5      |
| 136 | ✓     | 9010777 | 1   | gentamicin       | Horses   |       | Plasma  | IV    | 0     |      |        |        |         |           |          |           |
| 137 | ✓     | 9000219 | 7   | gentamicin       | Horses   |       | Serum   | IV    | 5     |      | 1.85   | 0.106  | 0.172   | 0.19      | 1.23     |           |
| 138 | ✓     | 9000253 | 3   | gentamicin       | Horses   | 0.25  | Serum   | IV    | 4.5   | 84   | 3.4    | 0.131  | 0.259   |           | 1.09     |           |
| 139 | ✓     | 9000253 | 5   | gentamicin       | Horses   | 0.25  | Serum   | IV    | 4.5   | 118  | 3.2    | 0.158  | 0.32    |           | 1.81     |           |
| 140 | ✓     | 9001115 | 1   | gentamicin       | Horses   |       | Serum   | IV    | 5     | 181  | 1.82   |        | 0.188   | 0.1973    | 1.27     |           |
| 141 | ✓     | 9001142 | 1   | gentamicin       | Horses   |       | Serum   | IV    | 3     | 385  | 1.66   |        | 0.173   | 0.202     | 1.41     |           |
| 142 | ✓     | 9001142 | 2   | gentamicin       | Horses   |       | Serum   | IV    | 3     | 385  | 1.53   | 0.064  | 0.139   | 0.154     | 1.17     |           |
| 143 | ✓     | 9001189 | 5   | gentamicin       | Horses   |       | Serum   | IV    | 2.2   | 468  | 144.63 | 0.1    | 0.14    |           | 0.68     |           |
| 144 | ✓     | 9001189 | 6   | gentamicin       | Horses   |       | Serum   | IV    | 2.2   | 468  | 3.02   | 0.11   | 0.16    |           | 0.91     |           |
| 145 | ✓     | 9001189 | 8   | gentamicin       | Horses   |       | Serum   | IV    | 2.2   | 468  | 3.53   | 0.1    | 0.15    |           | 0.87     |           |
| 146 | ✓     | 9001189 | 9   | gentamicin       | Horses   |       | Serum   | IV    | 2.2   | 468  | 4.03   | 0.1    | 0.15    |           | 0.83     |           |
| 147 | ✓     | 9001201 | 1   | gentamicin       | Horses   | 3     | Serum   | IV    | 2.2   | 368  | 2.2    |        |         |           | 0.26     |           |
| 148 | ✓     | 9005227 | 1   | gentamicin       | Horses   | 0.002 | Serum   | IV    | 4     |      | 2.12   | 0.1117 | 0.3067  | 0.3182    | 1.75     |           |
| 149 | ✓     | 9005227 | 2   | gentamicin       | Horses   | 0.01  | Serum   | IV    | 4     |      | 1.51   | 0.194  | 0.350   | 0.383     | 2.98     |           |
| 150 | ✓     | 9005227 | 3   | gentamicin       | Horses   | 0.03  | Serum   | IV    | 4     |      | 1.69   | 0.196  | 0.345   | 0.395     | 2.6      |           |
| 151 | ✓     | 9005227 | 4   | gentamicin       | Horses   | 0.04  | Serum   | IV    | 4     |      | 1.77   | 0.122  | 0.325   | 0.364     | 2.4      |           |
| 152 | ✓     | 9005227 | 5   | gentamicin       | Horses   | 0.082 | Serum   | IV    | 4     |      | 1.01   | 0.109  | 0.279   | 0.324     | 3.66     |           |
| 153 | ✓     | 9005227 | 6   | gentamicin       | Horses   | 0.08  | Serum   | IV    | 4     |      | 1.09   | 0.070  | 0.156   | 0.169     | 1.69     |           |
| 154 | ✓     | 9008908 | 1   | gentamicin       | Horses   |       | Serum   | IV    | 0     |      |        |        |         |           |          |           |
| 155 | ✓     | 9010783 | 1   | gentamicin       | Horses   |       | Serum   | IV    | 0     |      |        |        |         |           |          |           |
| 156 | ✓     | 9014555 | 1   | gentamicin       | Horses   |       | Serum   | IV    | 6.6   | 4.41 | 4.41   |        |         |           |          |           |
| 157 | ✓     | 9005407 | 1   | Gentamicin       | Horses   | 1.916 | Plasma  | IV    | 2.2   | 2.22 | 5.12   | 0.088  |         |           | 1.29     | 28.60     |
| 158 | ✓     | 9005407 | 2   | Gentamicin       | Horses   | 1.91  | Plasma  | IV    | 2.2   | 2.22 | 2.08   | 0.127  |         |           | 1.22     | 30.34     |
| 159 | ✓     | 9000241 | 6   | gentamicin       | Humans   |       | Serum   | IV    | 1     |      |        |        |         |           |          |           |

| No. | status | CitNum: | Gen | ActiveIngredient | Species: | Age: | Matrix:  | uteCo | Dose: | BW    | HL    | Vc    | VDss    | VDArea    | CLR       | AUC/D     |
|-----|--------|---------|-----|------------------|----------|------|----------|-------|-------|-------|-------|-------|---------|-----------|-----------|-----------|
|     |        |         |     |                  |          | yrs  |          | mg/kg | kg    | Hrs   | I/kg  | I/kg  | I/kg    | ml/min*kg | ug*/h/ml  |           |
| 160 | ✓      | 9000241 | 8   | gentamicin       | Humans   |      | Serum    | IV    | 1.2   |       |       |       |         |           |           |           |
| 161 | ✓      | 9000241 | 9   | gentamicin       | Humans   |      | Serum    | IV    | 0.8   |       |       |       |         |           |           |           |
| 162 | ✓      | 9000281 | 2   | gentamicin       | Humans   |      | Serum    | IV    | 80    |       |       |       |         |           |           |           |
| 163 | ✓      | 9000301 | 1   | gentamicin       | Humans   |      | Serum    | IV    | 2.5   | 8.7   | 3.82  |       |         |           | 1.56      |           |
| 164 | ✓      | 9000301 | 2   | gentamicin       | Humans   | 2    | Serum    | IV    | 2.5   | 9.5   | 2.98  |       |         |           | 3.02      |           |
| 165 | ✓      | 9000307 | 1   | gentamicin       | Humans   | 29.4 | Serum    | IV    | 5     | 73.4  | 1.6   |       |         |           | 1.5       |           |
| 166 | ✓      | 9000307 | 2   | gentamicin       | Humans   | 64.6 | Serum    | IV    | 2.3   | 70.2  | 7.3   |       |         |           | 0.53      |           |
| 167 | ✓      | 9000307 | 3   | gentamicin       | Humans   | 40.6 | Serum    | IV    | 4.8   | 64.5  | 2.2   |       |         |           | 1.33      |           |
| 168 | ✓      | 9000314 | 1   | gentamicin       | Humans   |      | Serum    | IV    | 100   | 71.25 | 2.19  |       | 0.26095 |           | 1.38      |           |
| 169 | ✓      | 9000421 | 2   | gentamicin       | Humans   |      | Serum    | IV    | 1.7   |       | 15    | 35.5  |         |           | 45.2      |           |
| 170 | ✓      | 9000482 | 4   | gentamicin       | Humans   | 26   | Serum    | IV    | 1     |       | 1.6   |       | 0.17193 |           | 1.24      | 13.393878 |
| 171 | ✓      | 9000482 | 6   | gentamicin       | Humans   | 26   | Serum    | IV    | 1.5   |       | 2.01  | 0.206 | 0.20643 |           | 1.19      |           |
| 172 | ✓      | 9008382 | 1   | gentamicin       | Llamas   |      | Plasma   | IV    | 3.2   |       | 2.34  |       | 0.37448 |           | 1.9650596 | 27.146241 |
| 173 | ✓      | 9005636 | 1   | gentamicin       | Llamas   |      | Serum    | IV    | 4     | 110   | 181.7 |       | 0.12    |           | 0.51      | 125.73    |
| 174 | ✓      | 9007009 | 1   | gentamicin       | Llamas   |      | Serum    | IV    | 5     | 123   | 2.76  |       | 0.25    |           | 1.10      | 77.333    |
| 175 | ✓      | 9007009 | 2   | gentamicin       | Llamas   |      | Serum    | IV    | 2.5   | 123   | 2.75  |       | 0.22    |           | 0.97      | 43.833    |
| 176 | ✓      | 9009784 | 3   | gentamicin       | Mice     |      | Serum    | IV    | 0     |       |       |       |         |           |           |           |
| 177 | ✓      | 9000225 | 1   | gentamicin       | Owls     |      | Serum    | IV    | 10    | 138   | 1.93  |       | 0.23    |           | 1.41      |           |
| 178 | ✓      | 9011795 | 1   | gentamicin       | Ponies   |      | Plasma   | IV    | 3     | 138   | 2.8   | 0.079 | 0.197   |           | 16.3266   |           |
| 179 | ✓      | 9004870 | 9   | gentamicin       | Rabbits  |      | Add info | IV    | 6     | 3     |       |       |         |           |           | 33.1      |
| 180 | ✓      | 9004870 | 10  | gentamicin       | Rabbits  |      | Add info | IV    | 6     | 3     |       |       |         |           |           | 32.4      |
| 181 | ✓      | 9005067 | 1   | gentamicin       | Rabbits  |      | Plasma   | IV    | 7     | 2     | 1.09  | 0.45  | 0.39    |           |           |           |
| 182 | ✓      | 9005067 | 2   | gentamicin       | Rabbits  |      | Plasma   | IV    | 7     | 2     | 1.51  | 0.35  | 0.30    |           |           |           |
| 183 | ✓      | 9008859 | 2   | gentamicin       | Rabbits  |      | Plasma   | IV    | 0     |       |       |       |         |           |           |           |
| 184 | ✓      | 9000306 | 4   | gentamicin       | Rabbits  |      | Serum    | IV    | 2.5   | 2     |       |       |         |           |           |           |
| 185 | ✓      | 9000352 | 1   | gentamicin       | Rabbits  |      | Serum    | IV    | 3     |       | 0.77  | 0.05  |         |           | 1.81      |           |
| 186 | ✓      | 9000352 | 2   | gentamicin       | Rabbits  |      | Serum    | IV    | 3     |       | 1.49  | 0.09  |         |           | 1.81      |           |
| 187 | ✓      | 9000364 | 1   | gentamicin       | Rabbits  |      | Serum    | IV    | 20    | 3.95  | 14.41 |       |         |           |           |           |
| 188 | ✓      | 9000364 | 2   | gentamicin       | Rabbits  |      | Serum    | IV    | 20    | 3.95  | 13.57 | 0.172 | 0.666   | 3.89      |           |           |
| 189 | ✓      | 9001502 | 14  | gentamicin       | Rabbits  |      | Serum    | IV    | add   | 2     |       |       |         |           |           |           |
| 190 | ✓      | 9001502 | 15  | gentamicin       | Rabbits  |      | Serum    | IV    | add   | 2     |       |       |         |           |           |           |
| 191 | ✓      | 9001502 | 17  | gentamicin       | Rabbits  |      | Serum    | IV    | add   | 2     |       |       |         |           |           |           |



## Gentamicin

| No. | tatus | CitNum: | GenMctiveIngridiem | Species: | Age: | Matrix:  | uteCo | Dose: | BW    | HL   | Vc   | VDss  | VDArea    | CLR      | AUC/D  |
|-----|-------|---------|--------------------|----------|------|----------|-------|-------|-------|------|------|-------|-----------|----------|--------|
|     |       |         |                    |          | yrs  |          |       | mg/kg | kg    | Hrs  | l/kg | l/kg  | ml/min*kg | ug*/h/ml |        |
| 192 | ✓     | 9001502 | 21 gentamicin      | Rabbits  |      | Serum    | IV    | add   | 2     |      |      |       |           |          |        |
| 193 | ✓     | 9001502 | 31 gentamicin      | Rabbits  |      | Serum    | IV    | add   | 2     |      |      |       |           |          |        |
| 194 | ✓     | 9001502 | 33 gentamicin      | Rabbits  |      | Serum    | IV    | add   | 2     |      |      |       |           |          |        |
| 195 | ✓     | 9001749 | 7 gentamicin       | Rabbits  |      | Serum    | IV    | 0     |       |      |      |       |           |          |        |
| 196 | ✓     | 9001749 | 9 gentamicin       | Rabbits  |      | Serum    | IV    | 0     |       |      |      |       |           |          |        |
| 197 | ✓     | 9001749 | 11 gentamicin      | Rabbits  |      | Serum    | IV    | 0     |       |      |      |       |           |          |        |
| 198 | ✓     | 9003975 | 1 gentamicin       | Rabbits  |      | Serum    | IV    | 3     | 3.5   | 0.94 |      |       | 0.138     | 1.69     | 31.7   |
| 199 | ✓     | 9004870 | 1 gentamicin       | Rabbits  |      | Serum    | IV    | 6     | 3     | 0.8  | 0.11 | 0.23  | 0.26      |          | 31.7   |
| 200 | ✓     | 9004870 | 2 gentamicin       | Rabbits  |      | Serum    | IV    | 6     | 3     | 0.83 | 0.13 | 0.20  | 0.25      |          | 33     |
| 201 | ✓     | 9005104 | 2 gentamicin       | Rabbits  |      | Serum    | IV    | 4     |       |      |      |       |           |          |        |
| 202 | ✓     | 9005230 | 1 gentamicin       | Rabbits  |      | Serum    | IV    | 2     | 4     | 2.4  |      |       |           |          | 31.23  |
| 203 | ✓     | 9005230 | 2 gentamicin       | Rabbits  |      | Serum    | IV    | 2     |       | 2.04 |      |       |           |          | 22.22  |
| 204 | ✓     | 9005230 | 3 gentamicin       | Rabbits  |      | Serum    | IV    | 2     |       | 3.13 |      |       |           |          |        |
| 205 | ✓     | 9005230 | 4 gentamicin       | Rabbits  |      | Serum    | IV    | 2     |       | 6.58 |      |       |           |          |        |
| 206 | ✓     | 9005518 | 3 gentamicin       | Rabbits  |      | Serum    | IV    | 3.5   | 4.8   | 0.73 |      | 0.114 |           | 2.82     | 22.593 |
| 207 | ✓     | 9006497 | 6 gentamicin       | Rabbits  |      | Serum    | IV    | 3     | 2     | 0.9  |      |       |           |          | 76     |
| 208 | ✓     | 9009441 | 3 gentamicin       | Rabbits  |      | Serum    | IV    | 3     |       | 2    |      |       |           |          |        |
| 209 | ✓     | 9010639 | 2 gentamicin       | Rabbits  |      | Serum    | IV    | 0     |       |      |      |       |           |          |        |
| 210 | ✓     | 9001298 | 2 gentamicin       | Rats     |      | Add info | IV    | 3     |       |      |      |       |           |          |        |
| 211 | ✓     | 9001298 | 12 gentamicin      | Rats     |      | Add info | IV    | 3     |       |      |      |       |           |          |        |
| 212 | ✓     | 9000288 | 1 gentamicin       | Rats     |      | Plasma   | IV    | 37    | 0.215 |      |      |       |           |          |        |
| 213 | ✓     | 9000345 | 1 gentamicin       | Rats     |      | Plasma   | IV    | 18    | 0.20  | 8.55 |      |       |           |          |        |
| 214 | ✓     | 9001298 | 1 gentamicin       | Rats     |      | Plasma   | IV    | 3     |       |      |      |       |           |          |        |
| 215 | ✓     | 9001298 | 11 gentamicin      | Rats     |      | Plasma   | IV    | 3     |       |      |      |       |           |          |        |
| 216 | ✓     | 9001298 | 21 gentamicin      | Rats     |      | Plasma   | IV    | 3     |       |      |      |       |           |          |        |
| 217 | ✓     | 9001298 | 23 gentamicin      | Rats     |      | Plasma   | IV    | 3     |       |      |      |       |           |          |        |
| 218 | ✓     | 9006714 | 1 gentamicin       | Rats     |      | Plasma   | IV    | 0     |       |      |      |       |           |          |        |
| 219 | ✓     | 9009671 | 1 gentamicin       | Rats     |      | Plasma   | IV    | 0     |       |      |      |       |           |          |        |
| 220 | ✓     | 8005305 | 1 gentamicin       | Rats     |      | Serum    | IV    | 10    | 0.175 | 0.62 |      |       |           |          | 17.25  |
| 221 | ✓     | 8005305 | 2 gentamicin       | Rats     |      | Serum    | IV    | 10    | 0.175 | 0.95 |      |       |           |          | 21.0   |
| 222 | ✓     | 9001427 | 1 gentamicin       | Rats     |      | Serum    | IV    | 0     |       |      |      |       |           |          |        |
| 223 | ✓     | 9001576 | 1 gentamicin       | Rats     |      | Serum    | IV    | 0.4   |       |      |      |       |           |          |        |

| No. | Status | CitNum  | Gen | ActiveIngredient | Species | Age    | Matrix | uteCoDose | BW    | HL    | Vc    | VDss    | VDArea    | CLR       | AUC/D      |
|-----|--------|---------|-----|------------------|---------|--------|--------|-----------|-------|-------|-------|---------|-----------|-----------|------------|
|     |        |         |     |                  |         | yrs    |        | mg/kg     | kg    | Hrs   | I/kg  | I/kg    | ml/min*kg | ug*h/ml   |            |
| 224 | ✓      | 9001576 | 4   | gentamicin       | Rats    |        | Serum  | 0         |       |       |       |         |           |           |            |
| 225 | ✓      | 9001576 | 6   | gentamicin       | Rats    |        | Serum  | 0         |       |       |       |         |           |           |            |
| 226 | ✓      | 9001576 | 8   | gentamicin       | Rats    |        | Serum  | 0         |       |       |       |         |           |           |            |
| 227 | ✓      | 9001576 | 10  | gentamicin       | Rats    |        | Serum  | 0         |       |       |       |         |           |           |            |
| 228 | ✓      | 9001576 | 12  | gentamicin       | Rats    |        | Serum  | 0         |       |       |       |         |           |           |            |
| 229 | ✓      | 9001576 | 14  | gentamicin       | Rats    |        | Serum  | 0         |       |       |       |         |           |           |            |
| 230 | ✓      | 9004156 | 5   | gentamicin       | Rats    |        | Serum  | 0         | 0.295 |       |       |         |           |           |            |
| 231 | ✓      | 9009784 | 1   | gentamicin       | Rats    |        | Serum  | 0         |       |       |       |         |           |           |            |
| 232 | ✓      | 9001106 | 1   | gentamicin       | Sheep   |        | Plasma | 3         | 74.2  | 1.68  | 0.078 | 0.152   | 0.160     | 1.15      |            |
| 233 | ✓      | 9001106 | 2   | gentamicin       | Sheep   |        | Plasma | 3         | 74.2  | 1.98  | 0.102 | 0.150   | 0.159     | 0.972     |            |
| 234 | ✓      | 9001109 | 1   | gentamicin       | Sheep   |        | Plasma | 10        | 76.4  | 30.4  |       | 0.243   |           | 1.03      | 166        |
| 235 | ✓      | 9001341 | 3   | Gentamicin       | Sheep   | 0.83   | Plasma | 3         | 16    | 4.54  |       |         | 0.22      | 2.2502833 | 22.36      |
| 236 | ✓      | 9003128 | 3   | gentamicin       | Sheep   |        | Plasma | 10        |       |       | 0.113 | 0.245   |           | 1.0       |            |
| 237 | ✓      | 9003128 | 4   | gentamicin       | Sheep   |        | Plasma | 10        |       |       | 0.144 | 0.47    |           | 1.4       |            |
| 238 | ✓      | 9007389 | 2   | gentamicin       | Sheep   |        | Plasma | 3         | 20    | 4.49  |       |         | 0.297     | 2.11      | 26.5825    |
| 239 | ✓      | 9009791 | 1   | Gentamicin       | Sheep   |        | Plasma | 5         | 17    | 16.31 |       | 0.15283 |           | 0.442     | 188.783471 |
| 240 | ✓      | 8005052 | 1   | gentamicin       | Sheep   |        | Serum  | 4         | 51    | 2.18  |       |         |           | 1.71      |            |
| 241 | ✓      | 9000223 | 1   | gentamicin       | Sheep   | 1      | Serum  | 2.2       | 45    | 1.43  |       |         | 0.194     | 1.559     |            |
| 242 | ✓      | 9000408 | 1   | gentamicin       | Sheep   |        | Serum  | 20        | 54    | 1.28  |       | 0.37014 |           | 3.33      |            |
| 243 | ✓      | 9001089 | 1   | gentamicin       | Sheep   |        | Serum  | 3         |       | 1.33  |       | 40.8    |           | 0.660     | 88         |
| 244 | ✓      | 9001089 | 2   | gentamicin       | Sheep   |        | Serum  | 10        |       | 1.72  |       | 38.4    |           | 0.805     | 232        |
| 245 | ✓      | 9001089 | 3   | gentamicin       | Sheep   |        | Serum  | 20        |       | 1.77  |       | 70.9    |           | 0.882     | 432        |
| 246 | ✓      | 9005098 | 1   | gentamicin       | Sheep   |        | Serum  | 4         | 42.5  | 1.63  | 0.030 | 0.110   |           | 0.93      | 73.05      |
| 247 | ✓      | 9005098 | 2   | gentamicin       | Sheep   |        | Serum  | 4         | 42.5  | 1.95  | 0.035 | 0.218   |           | 1.64      | 42.21      |
| 248 | ✓      | 9007654 | 1   | gentamicin       | Sheep   | 2      | Serum  | 5         | 47    | 2.02  |       |         | 0.367     | 2.38381   | 38.06      |
| 249 | ✓      | 9007654 | 2   | gentamicin       | Sheep   | 2      | Serum  | 5         | 47    |       |       |         | 0.363     | 1.36694   | 62.25      |
| 250 | ✓      | 9007654 | 3   | gentamicin       | Sheep   | 2      | Serum  | 5         | 47    | 2.99  |       |         | 0.426     | 1.73368   | 51.94      |
| 251 | ✓      | 9007746 | 1   | Gentamicin       | Sheep   |        | Serum  | 5         |       |       |       |         |           |           |            |
| 252 | ✓      | 9009125 | 1   | gentamicin       | Sheep   | 0.0191 | Serum  | 5         | 471   |       |       |         |           |           |            |
| 253 | ✓      | 8004912 | 1   | gentamicin       | Swine   | 0.0006 | Serum  | 5         | 1.80  | 5.19  |       | 0.8     | 0.6       | 2.0004    |            |
| 254 | ✓      | 8004912 | 2   | gentamicin       | Swine   | 0.115  | Serum  | 5         | 12.40 | 3.5   |       | 0.5     | 0.4       | 2.8339    |            |
| 255 | ✓      | 9004102 | 1   | gentamicin       | Swine   | 0.19   | Serum  | 6         | 29.3  | 11    |       | 0.32    |           | 1.52      |            |

| No. | tatus | CitNum: | GenNctiveIngre | Species: | Age:  | Matrix: | uteCo | Dose: | BW    | HL    | Vc   | VDss    | VDArea    | CLR       | AUC/D      |
|-----|-------|---------|----------------|----------|-------|---------|-------|-------|-------|-------|------|---------|-----------|-----------|------------|
|     |       |         |                |          | yrs   |         |       | mg/kg | kg    | Hrs   | l/kg | l/kg    | ml/min*kg | ug*/h/ml  |            |
| 256 | ✓     | 9004102 | 4 gentamicin   | Swine    | 0.19  | Serum   | IV    | 6     | 29.3  | 10.6  |      | 0.39    |           | 2.51      |            |
| 257 | ✓     | 9004102 | 5 gentamicin   | Swine    | 0.19  | Serum   | IV    | 6     | 29.3  | 8.5   |      | 0.35    |           | 2.50      |            |
| 258 | ✓     | 9004442 | 1 Gentamicin   | Swine    | 0.33  | Serum   | IV    | 2     | 42    | 20.21 |      | 0.24    | 0.32      | 1.66      |            |
| 259 | ✓     | 9008278 | 7 gentamicin   | Swine    |       | Serum   | IV    | 2.5   | 15    | 0.72  |      | 0.0193  |           | 0.3108955 | 134.08179  |
| 260 | ✓     | 9010757 | 1 gentamicin   | Swine    |       | Serum   | IV    | 5.2   | 46.4  |       |      |         |           |           | 55.95      |
| 261 | ✓     | 9001066 | 1 gentamicin   | Turkeys  |       | Blood   | IV    | 5     |       | 2.57  |      | 0.172   |           | 0.83      |            |
| 262 | ✓     | 9002042 | 1 gentamicin   | Turkeys  |       | Serum   | IV    | 5     | 10.88 | 2.57  | 0.09 | 0.172   | 0.19      | 0.83      |            |
| 263 | ✓     | 9010871 | 1 Gentamicin   | Turkeys  | 0.333 | Serum   | IV    | 5     | 6.95  | 2.36  |      | 0.13219 |           | 0.6509695 | 122.399590 |



08/11/2013, Tommy

Chlortetracycline

| No. | status | CitNum: | Gen | ActiveIngredient: | Species:       | Age: | Matrix: | IntCo | Dose: | BW    | HL   | Vc   | Vdss   | VdArea | CLR       | AUC      |       |
|-----|--------|---------|-----|-------------------|----------------|------|---------|-------|-------|-------|------|------|--------|--------|-----------|----------|-------|
|     |        |         |     |                   |                | yrs  |         |       | mg/kg | kg    | Hrs  | l/kg | l/kg   | l/kg   | ml/min*kg | ug*/h/ml |       |
| 1   | ✓      | 9000462 | 12  | chlortetracycline | Cattle         |      | Blood   | IV    | 11    |       | 7.29 |      | 7.3    |        | 43.2      | 0.3863   |       |
| 2   | ✓      | 9001018 | 3   | chlortetracycline | Cattle /Horse  | 0.21 | Blood   | IV    | 11    |       |      |      |        |        |           |          |       |
| 3   | ✓      | 9001018 | 6   | chlortetracycline | Cattle (Horse) | 0.21 | Blood   | IV    | 11    |       |      |      |        |        |           |          |       |
| 4   | ✓      | 9006954 | 10  | chlortetracycline | Cattle         |      | Blood   | IV    | 2500  |       | 1.58 |      | 0.123  |        |           |          |       |
| 5   | ✓      | 9006954 | 12  | chlortetracycline | Cattle         |      | Blood   | IV    | 11    |       | 15.4 |      | 0.272  |        | 1.93      | 0.2039   |       |
| 6   | ✓      | 9006954 | 14  | chlortetracycline | Cattle         |      | Blood   | IV    | 11    |       | 8.25 |      |        |        | 2.70      | 7.4319   |       |
| 7   | ✓      | 8004206 | 1   | chlortetracycline | Cattle (Horse) | 0.19 | Plasma  | IV    | 11    |       | 8.89 |      |        |        | 3.34      | 4.34     |       |
| 8   | ✓      | 8004206 | 5   | chlortetracycline | Cattle (Horse) | 0.19 | Plasma  | IV    | 11    |       |      |      |        |        |           |          |       |
| 9   | ✓      | 9000501 | 4   | chlortetracycline | Cattle         |      | Serum   | IV    | 0     |       | 3.26 |      |        | 3.387  | 12.007    | 1.3883   |       |
| 10  | ✓      | 9000975 | 16  | chlortetracycline | Cattle         |      | Serum   | IV    | 6.6   |       |      |      |        |        |           |          |       |
| 11  | ✓      | 9000994 | 1   | chlortetracycline | Cattle         |      | Serum   | IV    | 0.01  |       |      |      |        |        |           |          |       |
| 12  | ✓      | 9001623 | 5   | chlortetracycline | Cattle         |      | Serum   | IV    | 0.9   |       |      |      |        |        |           |          |       |
| 13  | ✓      | 9013477 | 1   | chlortetracycline | Chickens       |      | Plasma  | IV    | 15    |       | 7.83 |      |        |        |           |          |       |
| 14  | ✓      | 8004101 | 3   | chlortetracycline | Chickens       | 0.2  | Serum   | IV    | 0.9   |       |      |      |        |        |           |          |       |
| 15  | ✓      | 8004101 | 4   | chlortetracycline | Chickens       | 0.2  | Serum   | IV    | 0.9   |       |      |      |        |        |           |          |       |
| 16  | ✓      | 9001928 | 32  | chlortetracycline | Chickens       |      | Serum   | IV    | 25    |       | 3.44 |      |        |        |           |          |       |
| 17  | ✓      | 9001038 | 1   | chlortetracycline | Horses         |      | Serum   | IV    | 4.55  | 149.6 |      |      |        |        |           |          |       |
| 18  | ✓      | 9001038 | 2   | chlortetracycline | Horses         |      | Serum   | IV    | 2.3   | 149.6 |      |      |        |        |           |          |       |
| 19  | ✓      | 9001038 | 3   | chlortetracycline | Horses         |      | Serum   | IV    | 4.55  | 149.6 |      |      |        |        |           |          |       |
| 20  | ✓      | 9001038 | 4   | chlortetracycline | Horses         |      | Serum   | IV    | 3     | 149.6 |      |      |        |        |           |          |       |
| 21  | ✓      | 9001011 | 4   | chlortetracycline | Mice           |      | Serum   | IV    | 100   | 0.02  | 0.66 |      |        |        | 59.16     |          |       |
| 22  | ✓      | 8004202 | 1   | chlortetracycline | Sheep          |      | Blood   | IV    | 20    | 66    | 11.2 |      |        |        |           |          |       |
| 23  | ✓      | 8004202 | 2   | chlortetracycline | Sheep          |      | Blood   | IV    | 20    | 57    | 11.2 |      |        |        |           |          |       |
| 24  | ✓      | 8005099 | 7   | chlortetracycline | Swine          |      | Plasma  | IV    | 10    | 2.2   | 3.46 |      |        |        |           |          |       |
| 25  | ✓      | 9002089 | 3   | chlortetracycline | Swine          |      | Plasma  | IV    | 11    | 27.5  | 7.1  |      | 1.08   |        | 4.0068    | 4.0991   |       |
| 26  | ✓      | 9002089 | 4   | chlortetracycline | Swine          |      | Plasma  | IV    | 11    | 27.5  | 3.87 |      | 1.1279 |        | 5.12      | 3.5336   |       |
| 27  | ✓      | 9008271 | 18  | chlortetracycline | Swine          |      | Plasma  | IV    | 10    |       | 1.2  |      | 0.7730 |        | 2.75      | 6.2477   |       |
| 28  | ✓      | 9008293 | 11  | chlortetracycline | Swine          |      | Plasma  | IV    |       |       |      |      | 6.7    |        |           | 5.19     |       |
| 29  | ✓      | 9009339 | 1   | chlortetracycline | Swine          |      | Plasma  | IV    | 5     |       |      |      |        |        |           |          |       |
| 30  | ✓      | 9015769 | 1   | chlortetracycline | Swine          |      | Serum   | IV    | 8     |       | 2.96 |      |        |        |           |          |       |
| 31  | ✓      | 9004218 | 1   | chlortetracycline | Turkeys        |      | Plasma  | IV    | 0.9   | 1.95  | 0.88 |      |        | 0.056  | 0.228     | 3.77     | 5.522 |

Dairy Cattle: 525 weight 11.2 HL

AUC/dose 1.937ml/mg/kg

$$P = aW^b$$

$$\log P = \log a + b \log W$$

$$\log a = 0.3459$$

$$b = 0.3087$$

$$a = 2.0450$$

| No. | tatus | CitNum: | Gen/ActiveIngredient: | Species: | Age:  | Matrix: | uteCo | Dose: | BW    | HL   | Vc    | Vdss   | VdArea | CLR       | AUC      |
|-----|-------|---------|-----------------------|----------|-------|---------|-------|-------|-------|------|-------|--------|--------|-----------|----------|
|     |       |         |                       |          | yrs   |         |       | mg/kg | kg    | Hrs  | I/kg  | I/kg   | I/kg   | ml/min*kg | ug*h/ml  |
| 1   |       | 8005075 | 1 Apramycin           | Cattle   | 0.057 | Serum   | IV    | 20    |       | 3.59 |       | 0.82   |        | 2.98      | 5.326    |
| 2   |       | 9004813 | 1 Apramycin           | Cattle   |       | Serum   | IV    | 20    |       | 2.67 | 0.411 | 0.7344 |        | 4.44      | 1.3575   |
| 3   |       | 9008056 | 1 Apramycin           | Cattle   |       | Serum   | IV    | 20    | 101.5 | 3.02 |       | 0.3064 | 0.3455 | 1.7481    | 9.22886  |
| 4   |       | 9008290 | 5 Apramycin           | Cattle   |       | Serum   | IV    | 20    | 52.5  | 4.6  |       | 0.1322 |        | 0.338     | 49.3721  |
| 5   |       | 9005109 | 9 Apramycin           | Chickens | 0.049 | Serum   | IV    | 10    |       | 0.8  | 0.245 |        |        | 3.63      | 4.643    |
| 6   |       | 9005109 | 10 Apramycin          | Chickens | 1     | Serum   | IV    | 10    |       | 1.7  | 0.182 |        |        | 1.3       | 6.439    |
| 7   |       | 9005458 | 3 Apramycin           | Chickens | 0.75  | Serum   | IV    | 10    | 1.96  | 1.57 |       |        | 0.21   |           |          |
| 8   |       | 9005458 | 4 Apramycin           | Chickens | 0.75  | Serum   | IV    | 10    | 2.8   | 1.73 |       |        | 0.14   |           |          |
| 9   |       | 9007139 | 3 Apramycin           | Chickens | 0.15  | Serum   | IV    | 75    | 1.7   | 2.03 |       |        | 5.2481 | 33.96     | 0.490827 |
| 10  |       | 9009498 | 1 Apramycin           | Chickens |       | Serum   | IV    | 10    |       |      |       |        |        |           |          |
| 11  |       | 9004813 | 11 Apramycin          | Goats    |       | Serum   | IV    | 20    |       | 2.21 |       | 2.5307 |        | 15.6      | 1.067578 |
| 12  |       | 9009373 | 4 Apramycin           | Goats    |       | Serum   | IV    | 0     |       |      |       |        |        |           |          |
| 13  |       | 9005109 | 7 Apramycin           | Pigeons  |       | Serum   | IV    | 10    | 2.7   | 0.25 | 0.077 |        |        | 3.5       | 4.775    |
| 14  |       | 9005430 | 1 Apramycin           | Quail    | 1     | Serum   | IV    | 10    | 0.127 | 0.47 |       |        | 0.129  | 3.17      | 5.272    |
| 15  |       | 9005430 | 2 Apramycin           | Quail    | 1     | Serum   | IV    | 10    | 0.127 | 0.53 |       |        | 0.138  | 3.02      | 5.625    |
| 16  |       | 9005109 | 11 Apramycin          | Rabbits  |       | Serum   | IV    | 10    | 2.7   | 0.8  | 0.284 |        |        | 4.3       | 4.156    |
| 17  |       | 9004813 | 7 Apramycin           | Sheep    |       | Serum   | IV    | 20    |       | 3.21 |       | 2.3836 |        | 19        | 0.8755   |
| 18  |       | 9005109 | 8 Apramycin           | Sheep    | 3     | Serum   | IV    | 10    | 32.5  | 1.52 | 0.167 |        |        | 1.3       | 13.036   |
| 19  |       | 9008060 | 1 Apramycin           | Swine    |       | Serum   | IV    | 15    | 55    | 0.28 |       | 0.4619 |        | 4.69      | 3.7253   |
| 20  |       | 9015660 | 2 Apramycin           | Swine    |       | Serum   | IV    | 20    |       |      |       |        |        |           |          |
| 21  |       | 9010871 | 2 Apramycin           | Turkeys  | 0.33  | Serum   | IV    | 10    | 6.95  | 2.44 |       | 0.3194 |        | 1.760352  | 9.469604 |

No chicken  
No bird.  
No Avian

12

1-24



| No. | status | CitNum: | Genl | ActiveIngredient: | Species:    | Age: | Matrix: | PreCo | Dose: | BW     | HL    | Vc    | Vdss | VdArea | CLR       | AUC      |
|-----|--------|---------|------|-------------------|-------------|------|---------|-------|-------|--------|-------|-------|------|--------|-----------|----------|
|     |        |         |      |                   |             |      |         |       | mg/kg |        |       | l/kg  | l/kg | l/kg   | ml/min*kg | ug*/h/ml |
| 1   | ✓      | 9006583 | 1    | diazepam          | Cats        | Y    | Blood   | IV    | 0     |        |       |       |      |        |           |          |
| 2   | ✓      | 9006583 | 2    | Diazepam          | Cats        |      | Blood   | IV    | 0     |        |       |       |      |        |           |          |
| 3   | ✓      | 9005069 | 1    | diazepam          | Cats        |      | Plasma  | IV    | 5     | 4.25   | 3.5   |       |      |        |           |          |
| 4   | ✓      | 9000876 | 13   | diazepam          | Dogs        |      | Plasma  | IV    | 1     | 15     |       |       |      |        |           |          |
| 5   | ✓      | 9001951 | 4    | diazepam          | Dogs        |      | Plasma  | IV    | 1     |        | 7.6   | 1.2   | 5.6  | 12.77  | 18.9      |          |
| 6   | ✓      | 9006729 | 15   | diazepam          | Dogs        |      | Plasma  | IV    | 0     |        |       |       |      |        |           |          |
| 7   | ✓      | 9006729 | 18   | Diazepam          | Dogs        |      | Plasma  | IV    | 0     |        |       |       |      |        |           |          |
| 8   | ✓      | 9006729 | 19   | Diazepam          | Dogs        |      | Plasma  | IV    | 0     |        |       |       |      |        |           |          |
| 9   | ✓      | 9006769 | 6    | diazepam          | Dogs        |      | Plasma  | IV    | 0     |        |       |       |      |        |           |          |
| 10  | ✓      | 9014139 | 1    | diazepam          | Dogs        |      | Plasma  | IV    | 0.5   | 20.4   | 5.61  |       | 3.48 | 6.154  | 11.47     | 0.806    |
| 11  | ✓      | 9014139 | 2    | Diazepam          | Dogs        |      | Plasma  | IV    | 0.5   | 20.4   | 6.72  |       |      |        |           | 1.0472   |
| 12  | ✓      | 9014139 | 3    | Diazepam          | Dogs        |      | Plasma  | IV    | 0.5   | 70.4   | 6.41  |       |      |        |           | 0.4213   |
| 13  | ✓      | 9014797 | 3    | Diazepam (3-      | Dogs        |      | Plasma  | IV    | 0.5   |        | 1     |       |      |        |           |          |
| 14  | ✓      | 9014797 | 4    | Diazepam          | Dogs        |      | Plasma  | IV    | 0.5   |        | 6.2   |       |      |        |           |          |
| 15  | ✓      | 9014797 | 5    | Diazepam          | Dogs        |      | Plasma  | IV    | 0.5   |        | 2.4   |       |      |        |           |          |
| 16  | ✓      | 9015755 | 1    | diazepam          | Dogs        |      | Plasma  | IV    | 2     |        |       |       |      |        |           |          |
| 17  | ✓      | 9015755 | 2    | diazepam          | Dogs        |      | Plasma  | IV    | 2     |        |       |       |      |        |           |          |
| 18  | ✓      | 9001951 | 2    | diazepam          | Guinea pigs |      | Plasma  | IV    | 2.5   | 0.29   | 2.4   | 0.93  | 2.5  | 3.95   | 18.9      |          |
| 19  | ✓      | 9000621 | 1    | diazepam          | Horses      |      | Plasma  | IV    | 0.18  | 44.3   | 12.75 | 0.75  | 2.31 |        | 8         |          |
| 20  | ✓      | 9004710 | 1    | diazepam          | Mice        |      | Blood   | IV    | 5     | 0.0225 | 0.14  |       |      |        |           | 0.19     |
| 21  | ✓      | 9004710 | 3    | Diazepam (N-      | Mice        |      | Blood   | IV    | 5     | 0.0225 | 7.7   |       |      |        |           |          |
| 22  | ✓      | 9001951 | 3    | diazepam          | Rabbits     |      | Plasma  | IV    | 2     |        | 2.7   | 2.3   | 5.5  | 7.14   | 30.5      |          |
| 23  | ✓      | 9005244 | 1    | diazepam          | Rabbits     |      | Plasma  | IV    | 1.5   | 2.64   | 4.77  |       | 5.34 | 1.85   | 17.3      |          |
| 24  | ✓      | 9005244 | 2    | diazepam          | Rabbits     |      | Plasma  | IV    | 1.5   | 2.44   | 6.39  |       | 5.67 | 1.94   | 13.2      |          |
| 25  | ✓      | 9005718 | 6    | diazepam          | Rabbits     |      | Plasma  | IV    | 1.5   | 3.7    |       |       |      |        |           |          |
| 26  | ✓      | 9009651 | 2    | diazepam          | Rabbits     |      | Plasma  | IV    | 0     |        |       |       |      |        |           |          |
| 27  | ✓      | 9009930 | 2    | diazepam          | Rabbits     |      | Plasma  | IV    | 0     |        |       |       |      |        |           |          |
| 28  | ✓      | 9002019 | 3    | diazepam          | Rats        |      | Blood   | IV    | 0.6   | 0.3    | 0.88  |       |      |        |           |          |
| 29  | ✓      | 9004710 | 5    | diazepam          | Rats        |      | Blood   | IV    | 5     | 0.225  | 0.39  |       |      |        |           | 0.47     |
| 30  | ✓      | 9004710 | 7    | Diazepam (N-      | Rats        |      | Blood   | IV    | 5     | 0.225  |       |       |      |        |           |          |
| 31  | ✓      | 9005056 | 2    | diazepam          | Rats        |      | Blood   | IV    | 5     | 0.255  | 0.59  | 0.354 |      |        |           | 1.395    |
| 32  | ✓      | 9005056 | 3    | diazepam          | Rats        |      | Blood   | IV    | 5     | 0.255  | 0.88  | 0.465 |      |        |           | 1.3705   |

2-1

Diazepam

08/22/2013, Tommy

| No. | Status | CritNum: | Gen/ActiveIngredient: | Species: | Age:  | Matrix: | uteCo | Dose: | BW    | HL   | Vc    | Vdss  | VdArea | CLR       | AUC     |
|-----|--------|----------|-----------------------|----------|-------|---------|-------|-------|-------|------|-------|-------|--------|-----------|---------|
|     |        |          |                       |          |       |         |       |       |       |      | l/kg  | l/kg  | l/kg   | ml/min*kg | ug*h/ml |
| 33  | ✓      | 9005056  | 6 diazepam            | Rats     |       | Blood   | IV    | 5     | 0.255 | 1.11 | 0.743 |       |        |           | 1.1495  |
| 34  | ✓      | 9001951  | 1 diazepam            | Rats     |       | Plasma  | IV    | 5     |       | 1.1  | 3.1   | 4.5   | 7.84   | 81.6      |         |
| 35  | ✓      | 9002019  | 1 diazepam            | Rats     |       | Plasma  | IV    | 0.6   | 0.3   | 1.1  |       |       |        |           | 0.056   |
| 36  | ✓      | 9005244  | 3 diazepam            | Rats     | 0.5   | Plasma  | IV    | 1.5   |       | 207  |       |       |        |           |         |
| 37  | ✓      | 9005244  | 4 diazepam            | Rats     | 2.49  | Plasma  | IV    | 1.5   | 0.173 | 363  |       | 11.63 | 4.24   | 52.2      |         |
| 38  | ✓      | 9005441  | 1 diazepam            | Rats     |       | Plasma  | IV    | 1.2   |       |      |       |       |        |           |         |
| 39  | ✓      | 9005441  | 2 Diazepam            | Rats     |       | Plasma  | IV    | 1.2   |       |      |       |       |        |           |         |
| 40  | ✓      | 9005441  | 3 Diazepam            | Rats     |       | Plasma  | IV    | 1.2   |       |      |       |       |        |           |         |
| 41  | ✓      | 9005441  | 4 Diazepam (3-        | Rats     |       | Plasma  | IV    | 1.2   |       |      |       |       |        |           |         |
| 42  | ✓      | 9006887  | 3 diazepam            | Rats     |       | Plasma  | IV    | 0     |       |      |       |       |        |           |         |
| 43  | ✓      | 9010552  | 1 Diazepam            | Rats     |       | Plasma  | IV    | 0     |       |      |       |       |        |           |         |
| 44  | ✓      | 9014030  | 1 diazepam            | Rats     |       | Serum   | IV    | 20    | 0.162 |      |       |       |        |           |         |
| 45  | ✓      | 9014030  | 2 Diazepam            | Rats     |       | Serum   | IV    | 20    | 0.162 |      |       |       |        |           |         |
| 46  | ✓      | 9007923  | 2 diazepam            | Sheep    |       | Blood   | IV    | 30    |       |      |       |       |        |           |         |
| 47  | ✓      | 9007785  | 1 diazepam            | Sheep    | 41276 | Plasma  | IV    | 0.086 | 35    | 0.46 |       | 0.088 |        | 2.1959391 | 0.65269 |

| No. | tatus | CitiNum: | Gen/ActiveIngredient: | Species:      | Age: | Matrix: | uteCo | Dose: | BW   | HL   | Vc     | Vdss   | VdArea | CLR       | AUC     |
|-----|-------|----------|-----------------------|---------------|------|---------|-------|-------|------|------|--------|--------|--------|-----------|---------|
|     |       |          |                       |               | yrs  |         |       | mg/kg | kg   | Hrs  | l/kg   | l/kg   | l/kg   | ml/min*kg | ug*h/ml |
| 1   | ✓     | 9000432  | 4 cephapirin          | Mice          |      | Blood   | IV    | 5     | 0.07 | 0.23 |        |        |        | 26.21     |         |
| 2   | ✓     | 9000287  | 7 cephapirin          | Dogs (Beagle) |      | Plasma  | IV    | 30    | 0.2  | 0.61 |        | 0.35   | 0.35   | 11.3538   | 44.05   |
| 3   | ✓     | 9000287  | 8 Cephapirin          | Dogs (Beagle) |      | Plasma  | IV    | 30    | 0.2  | 0.95 |        |        |        | 11.9924   | 27.79   |
| 4   | ✓     | 9014862  | 7 cephapirin          | Horses        |      | Plasma  | IV    | 20    | 460  | 0.9  |        |        |        |           |         |
| 5   | ✓     | 9000312  | 13 cephapirin         | Humans (m)    | 35.5 | Plasma  | IV    | 25.2  | 79.5 | 0.53 |        |        | 0.218  |           | 58.6    |
| 6   | ✓     | 9000312  | 14 cephapirin         | Humans        | 35.5 | Plasma  | IV    | 12.58 | 79.5 | 0.58 |        |        | 0.216  |           | 28.5    |
| 7   | ✓     | 9000312  | 18 cephapirin         | Humans        | 35.5 | Plasma  | IV    | 6.29  | 79.5 | 0.58 |        |        | 0.221  |           | 14.2    |
| 8   | ✓     | 9014845  | 4 cephapirin          | Bovine        |      | Serum   | IV    | 8.5   |      | 1.1  |        |        |        |           |         |
| 9   | ✓     | 9014862  | 3 cephapirin          | Bovine        |      | Serum   | IV    | 8.5   |      |      |        |        |        |           |         |
| 10  | ✓     | 9000902  | 21 cephapirin         | Cattle (D)    | 0.06 | Serum   | IV    | 10    | 270  | 0.83 |        |        |        |           |         |
| 11  | ✓     | 9008053  | 17 cephapirin         | Cattle (D)    |      | Serum   | IV    | 8.5   | 537  | 1.13 | 0.255  |        | 0.606  | 14.24     | 11.06   |
| 12  | ✓     | 9001200  | 3 cephapirin          | Horses        |      | Serum   | IV    | 20    | 465  | 0.92 |        |        |        | 9.96866   | 34.83   |
| 13  | ✓     | 9004162  | 1 cephapirin          | Horses        |      | Serum   | IV    | 20    | 417  |      |        |        |        |           |         |
| 14  | ✓     | 9004162  | 2 cephapirin          | Horses        |      | Serum   | IV    | 20    | 417  |      |        |        |        |           |         |
| 15  | ✓     | 9004162  | 3 cephapirin          | Horses        |      | Serum   | IV    | 20    | 417  |      |        |        |        |           |         |
| 16  | ✓     | 9004162  | 4 cephapirin          | Horses        |      | Serum   | IV    | 20    | 417  |      |        |        |        |           |         |
| 17  | ✓     | 9012728  | 1 cephapirin          | Horses        |      | Serum   | IV    | 20    | 297  | 0.31 | 0.1113 | 0.2037 | 0.345  | 12.99     | 26.94   |

Israeli Holstein

0.96

2.09 mg·min/ml  
 2090 ug·min/ml  
 $\frac{2090}{60}$  ug·h/ml

$y = 0.1035x - 0.3293$

$\log HL = \log a + b \log W$

$b = 0.1035$   
 $\log a = -0.3293$

$a = 0.24685$



07/08/2013. Tetracycline -

| No. | ratu | CitNum: | bnNu | ActiveIngredient:    | Species:       | Age:   | Matrix: | uteCol | Dose: | AntiqueHI | BW   | <del>FW</del> | Vdss | Vdarea | CI    | AUC   |
|-----|------|---------|------|----------------------|----------------|--------|---------|--------|-------|-----------|------|---------------|------|--------|-------|-------|
| 1   |      | 9005076 | 2    | tetracycline         | Catfish        |        | Plasma  | IV     | 4     | 16.1      | 0.76 | 9             |      | 0.513  | 0.365 | 155.2 |
| 2   |      | 8004113 | 1    | tetracycline         | Cattle         | 1      | Blood   | IV     | 66.5  | 18.7      |      |               |      |        |       |       |
| 3   |      | 8004202 | 16   | tetracycline         | Cattle         |        | Blood   | IV     | 20    | 12.8      |      |               |      |        |       |       |
| 4   |      | 8004202 | 18   | Tetracycline (L-Met) | Cattle         |        | Blood   | IV     | 20    | 12.4      |      |               |      |        |       |       |
| 5   |      | 9013931 | 3    | Tetracycline (Hydro) | Cattle         | 10-Mar | Plasma  | IV     | 10    | 7.54      |      |               |      |        |       |       |
| 6   |      | 9008300 | 1    | tetracycline         | Cattle         |        | Serum   | IV     | 20    | 5.73      |      |               |      |        |       |       |
| 7   |      | 8005260 | 1    | tetracycline         | Chickens       | 40dy   | Plasma  | IV     | 65    | 2.76      |      |               |      |        |       |       |
| 8   |      | 9010798 | 2    | tetracycline         | Chickens       | 0.1095 | Plasma  | IV     | 65    |           |      |               |      |        |       |       |
| 9   |      | 9015508 | 3    | tetracycline         | Dogs           |        | Blood   | IV     | 10    |           |      |               |      |        |       |       |
| 10  |      | 9015508 | 5    | tetracycline         | Dogs           |        | Blood   | IV     | 10    |           |      |               |      |        |       |       |
| 11  |      | 8004124 | 1    | tetracycline         | Dogs           |        | Serum   | IV     | 10    |           |      |               |      |        |       |       |
| 12  |      | 8004124 | 2    | tetracycline         | Dogs           |        | Serum   | IV     | 5     |           |      |               |      |        |       |       |
| 13  |      | 8004124 | 3    | tetracycline         | Dogs           |        | Serum   | IV     | 1.45  |           |      |               |      |        |       |       |
| 14  |      | 9015508 | 4    | tetracycline         | Dogs           |        | Serum   | IV     | 10    |           |      |               |      |        |       |       |
| 15  |      | 8004123 | 1    | tetracycline         | Humans         |        | Plasma  | IV     | 500   | 8.2       |      |               |      |        |       |       |
| 16  |      | 8004116 | 5    | tetracycline         | Mice           |        | Blood   | IV     | 50    | 0.89      |      |               |      |        |       |       |
| 17  |      | 8004117 | 7    | tetracycline         | Mice           |        | Blood   | IV     | 50    | 1.64      |      |               |      |        |       |       |
| 18  |      | 8004116 | 7    | tetracycline         | Mice           |        | Serum   | IV     | 50    | 0.74      |      |               |      |        |       |       |
| 19  |      | 8004117 | 4    | tetracycline         | Mice           |        | Serum   | IV     | 50    | 1.93      |      |               |      |        |       |       |
| 20  |      | 9012506 | 1    | tetracycline         | Rabbits        |        | Blood   | IV     | 0     |           |      |               |      |        |       |       |
| 21  |      | 9001491 | 6    | tetracycline         | Rabbits        |        | Serum   | IV     | 25    | 3         |      |               |      |        |       |       |
| 22  |      | 9015508 | 11   | tetracycline         | Rats           |        | Blood   | IV     | 15    |           |      |               |      |        |       |       |
| 23  |      | 9015508 | 12   | tetracycline         | Rats           |        | Plasma  | IV     | 15    |           |      |               |      |        |       |       |
| 24  |      | 9012839 | 13   | tetracycline         | Shark, Dogfish | Squa   | Plasma  | IV     | 10    | 22        |      |               |      |        |       |       |
| 25  |      | 8004202 | 15   | tetracycline         | Sheep          |        | Blood   | IV     | 20    | 12.8      |      |               |      |        |       |       |
| 26  |      | 8004202 | 17   | Tetracycline (L-Met) | Sheep          |        | Blood   | IV     | 20    | 12.4      |      |               |      |        |       |       |
| 27  |      | 9008300 | 2    | tetracycline         | Sheep          |        | Blood   | IV     | 20    | 5.73      |      |               |      |        |       |       |
| 28  |      | 9000385 | 5    | tetracycline         | Sheep          |        | Serum   | IV     | 20    | 4.6       |      |               |      |        |       |       |
| 29  |      | 8005099 | 4    | tetracycline         | Swine          |        | Plasma  | IV     | 9.6   | 4.95      |      |               |      |        |       |       |
| 30  |      | 9008271 | 16   | tetracycline         | Swine          |        | Plasma  | IV     | 9.6   | 2         |      |               |      |        |       |       |
| 31  |      | 9008293 | 9    | tetracycline         | Swine          |        | Plasma  | IV     |       |           |      |               |      |        |       |       |
| 32  |      | 9015764 | 1    | tetracycline         | Turkeys        |        | Serum   | IV     | 25    |           |      |               |      |        |       |       |

(Lg)

0.12g/ml/min/kg.dg.h/ml

①. Cephapirin.

Q Do I need to delete dog data? based on log-log plot.

②. Leshuai to prepare aflatoxin B1 sample.

③. Aflatoxin B1 is toxin. why pk data.

①. Aflatoxin B1 → PO.

②. decide dose mg/kg.

③. cl calculation?

M1

B1.

| No. | tatus | CitiNum: | Gei | ActiveIngredient: | Species:           | Age:  | Matrix: | uteCo | Dose: | BW    | HL    | Vc    | Vdss  | VdArea | CLR      | AUC      |
|-----|-------|----------|-----|-------------------|--------------------|-------|---------|-------|-------|-------|-------|-------|-------|--------|----------|----------|
|     |       |          |     |                   |                    |       |         |       | mg/kg | kg    | h     | I/kg  | I/kg  | I/kg   | m/min*kg | ug*/h/ml |
| 1   | ✓     | 9012687  | 1   | oxytetracycline   | Alligators 鳄鱼      | Y     | Plasma  | IV    | 10    | 2.3   | 74.07 | 0.20  | 0.77  | 0.79   | 0.11669  | 1468.85  |
| 2   | ✓     | 9007526  | 1   | oxytetracycline   | Ayu (Plecoglossus) |       | Serum   | IV    | 25    | 0.054 | 52.1  | 0.204 |       | 1.31   | 0.29058  | 1439     |
| 3   | ✓     | 9009808  | 1   | oxytetracycline   | Bass, Sea 鱼        |       | Plasma  | IV    | 40    | 0.11  | 69    | 1.18  | 5.62  |        | 1.225245 | 494.26   |
| 4   | ✓     | 9009808  | 2   | oxytetracycline   | Bass, Sea          |       | Plasma  | IV    | 40    | 0.11  | 9.65  | 0.06  | 2.59  |        | 1.145229 | 529.35   |
| 5   | ✓     | 9014965  | 1   | oxytetracycline   | Bovine 牛           |       | Serum   | IV    | 20    |       | 8.35  |       |       |        |          |          |
| 6   | ✓     | 9007369  | 1   | oxytetracycline   | Buffalo            |       | Plasma  | IV    | 7.5   | 6.28  | 28.2  |       |       | 2.12   | 0.896846 |          |
| 7   | ✓     | 9009985  | 1   | oxytetracycline   | Buffalo            |       | Plasma  | IV    | 5     | 4.40  | 9.38  |       |       | 2.52   | 3.22     |          |
| 8   | ✓     | 8004001  | 1   | oxytetracycline   | Buffalo            | 1.25  | Serum   | IV    | 22    | 1.70  | 3.61  |       |       | 0.32   | 1.02     |          |
| 9   | ✓     | 9011247  | 2   | Oxytetracycline   | Cage Birds         |       | Plasma  | IV    | 20    | 0.099 | 3.33  |       | 1.82  |        |          | 45       |
| 10  | ✓     | 9007010  | 1   | oxytetracycline   | Camel              | 1.5-8 | Serum   | IV    | 5     | 2.55  | 7.7   | 0.064 | 0.71  | 0.82   | 1.255251 | 72.3     |
| 11  | ✓     | 9007367  | 1   | oxytetracycline   | Camel              |       | Serum   | IV    | 10    |       |       |       |       |        |          |          |
| 12  | ✓     | 9005213  | 3   | oxytetracycline   | Carp (Cyprinus)    |       | Plasma  | IV    | 60    | 0.327 | 228.5 | 0.19  |       | 2.10   | 0.17     | 5584.8   |
| 13  | ✓     | 9011498  | 3   | oxytetracycline   | Carp (Cyprinus)    |       | Plasma  | IV    | 60    |       | 169   |       |       | 1.49   | 0.101687 |          |
| 14  | ✓     | 9011498  | 4   | oxytetracycline   | Carp (Cyprinus)    |       | Plasma  | IV    | 60    |       | 52    |       |       | 2.25   | 0.18337  |          |
| 15  | ✓     | 9004435  | 2   | oxytetracycline   | Catfish, African   |       | Plasma  | IV    | 60    | 0.293 | 80.3  | 0.70  |       | 1.33   | 0.19     | 5369     |
| 16  | ✓     | 8004005  | 1   | oxytetracycline   | Cattle             | 0.23  | Blood   | IV    | 6.88  |       | 8.8   |       |       | 1.52   | 26.3     |          |
| 17  | ✓     | 8004005  | 4   | oxytetracycline   | Cattle             | 0.06  | Blood   | IV    | 7.54  |       | 13.5  |       |       | 2.48   | 22.1     |          |
| 18  | ✓     | 8004005  | 5   | oxytetracycline   | Cattle             |       | Blood   | IV    | 7.94  |       | 10.3  |       |       | 0.8    | 9.3      |          |
| 19  | ✓     | 8004005  | 7   | oxytetracycline   | Cattle             | 0.27  | Blood   | IV    | 17    |       | 10.82 |       |       | 1.83   | 19.9     |          |
| 20  | ✓     | 8004005  | 8   | oxytetracycline   | Cattle             |       | Blood   | IV    | 3.32  |       | 9.7   |       |       | 0.8    | 9.8      |          |
| 21  | ✓     | 8004021  | 2   | oxytetracycline   | Cattle (D)         | 5.5   | Blood   | IV    | 1000  | 1534  | 5.35  |       |       |        |          |          |
| 22  | ✓     | 8004202  | 11  | oxytetracycline   | Cattle (D)         |       | Blood   | IV    | 20    | 533   | 9.24  |       |       |        |          |          |
| 23  | ✓     | 9000489  | 2   | oxytetracycline   | Cattle             |       | Blood   | IV    | 2.27  |       | 10.74 |       |       |        |          | 182753   |
| 24  | ✓     | 9000489  | 5   | oxytetracycline   | Cattle             |       | Blood   | IV    | 3.96  |       | 5.39  |       |       |        |          | 20.2497  |
| 25  | ✓     | 9000950  | 5   | oxytetracycline   | Cattle             |       | Blood   | IV    | 1     |       |       |       |       |        |          |          |
| 26  | ✓     | 9004631  | 3   | oxytetracycline   | Cattle             | 0.167 | Blood   | IV    | 2     | 81.5  |       |       |       |        | 35       |          |
| 27  | ✓     | 8004004  | 3   | oxytetracycline   | Cattle             |       | Plasma  | IV    | 10    | 320   | 5.05  |       | 1.034 |        | 3.043942 |          |
| 28  | ✓     | 8004019  | 3   | oxytetracycline   | Cattle             |       | Plasma  | IV    | UNK   |       | 4.3   |       |       |        |          |          |
| 29  | ✓     | 8004041  | 1   | oxytetracycline   | Cattle             | 7.5   | Plasma  | IV    | 2.5   |       | 9.12  |       |       |        |          |          |
| 30  | ✓     | 9000670  | 1   | oxytetracycline   | Cattle             | 0.27  | Plasma  | IV    | 17    |       | 7.6   |       | 1.2   |        | 2.18     | 129.5685 |
| 31  | ✓     | 9003057  | 1   | oxytetracycline   | Cattle (D)         |       | Plasma  | IV    | 5     | 540   | 11    |       |       |        |          | 42.2475  |
| 32  | ✓     | 9004460  | 1   | oxytetracycline   | Cattle             |       | Plasma  | IV    | 0     | 335   |       |       |       |        |          |          |

| No. | Status | CitNum  | GeI | ActiveIngredient: | Species:   | Age:  | Matrix: | UteCo | Dose: | BW    | HL    | Vc    | Vdss    | VdArea | CLR       | AUC      |
|-----|--------|---------|-----|-------------------|------------|-------|---------|-------|-------|-------|-------|-------|---------|--------|-----------|----------|
|     |        |         |     |                   |            | y     |         |       | mg/kg | kg    | h     | I/kg  | I/kg    | I/kg   | ml/min*kg | ug*h/ml  |
| 33  | ✓      | 9004460 | 4   | oxytetracycline   | Cattle     |       | Plasma  | IV    | 0     | 335   |       |       |         |        |           |          |
| 34  | ✓      | 9004481 | 1   | oxytetracycline   | Cattle (D) |       | Plasma  | IV    | 5     | 415   | 9.5   | 0.114 |         | 1.02   | 1.27      | 67       |
| 35  | ✓      | 9004647 | 2   | oxytetracycline   | Cattle     |       | Plasma  | IV    | 7.5   | 73    | 10.82 | 0.195 |         | 2.252  | 2.306     | 55.81    |
| 36  | ✓      | 9004822 | 1   | oxytetracycline   | Cattle (D) |       | Plasma  | IV    | 5.3   | 603.5 | 9.51  |       |         | 1.01   | 1.45      | 60.7     |
| 37  | ✓      | 9004822 | 2   | oxytetracycline   | Cattle (D) |       | Plasma  | IV    | 5     | 603.5 | 9.46  |       |         | 0.917  | 1.24      | 67.4     |
| 38  | ✓      | 9005331 | 2   | oxytetracycline   | Cattle (D) | 0.19  | Plasma  | IV    | 40    | 106   | 93.32 |       |         | 18.144 | 2.246     | 299.28   |
| 39  | ✓      | 9005687 | 1   | Oxytetracycline   | Cattle     |       | Plasma  | IV    | 11    | 398.5 |       |       |         |        |           |          |
| 40  | ✓      | 9006956 | 1   | oxytetracycline   | Cattle (B) |       | Plasma  | IV    | 10    | 90    | 3.22  |       |         | 0.49   | 1.787024  | 94.54    |
| 41  | ✓      | 9006956 | 2   | oxytetracycline   | Cattle (B) |       | Plasma  | IV    | 10    | 90    | 4.06  |       |         | 0.70   | 1.953724  | 87.78    |
| 42  | ✓      | 9008384 | 1   | oxytetracycline   | Cattle (B) |       | Plasma  | IV    | 5     | 550   | 8.5   |       |         | 1.12   | 0.0256718 | 54.56    |
| 43  | ✓      | 9008413 | 1   | Oxytetracycline   | Cattle (B) |       | Plasma  | IV    | 10    |       | 10.8  |       | 0.79    |        | 0.84      |          |
| 44  | ✓      | 8004011 | 1   | oxytetracycline   | Cattle     |       | Serum   | IV    | 20    | 244   | 0.72  | 0.50  |         |        | 1.6406614 | 223.5298 |
| 45  | ✓      | 8004011 | 3   | oxytetracycline   | Cattle     | 0.04  | Serum   | IV    | 10    | 50    | 5.67  |       |         | 0.914  |           |          |
| 46  | ✓      | 8004012 | 1   | oxytetracycline   | Cattle (D) | 0.12  | Serum   | IV    | 11    |       | 14.79 |       |         | 4.991  | 0.241     |          |
| 47  | ✓      | 8004012 | 2   | oxytetracycline   | Cattle (D) | 0.12  | Serum   | IV    | 11    |       | 11.84 |       |         | 3.339  | 0.201     |          |
| 48  | ✓      | 8004013 | 1   | oxytetracycline   | Cattle     |       | Serum   | IV    | 22    | 464   | 6.51  |       |         | 0.5309 |           |          |
| 49  | ✓      | 8004015 | 3   | oxytetracycline   | Cattle     |       | Serum   | IV    | 3.2   |       | 22    |       |         |        |           |          |
| 50  | ✓      | 8004015 | 5   | oxytetracycline   | Cattle     |       | Serum   | IV    | 10    |       | 39    |       |         |        |           |          |
| 51  | ✓      | 8004030 | 5   | oxytetracycline   | Cattle     | 0.3   | Serum   | IV    | 10    | 48.5  | 6.09  | 1.058 |         | 1.865  | 3.534     |          |
| 52  | ✓      | 9000168 | 23  | oxytetracycline   | Cattle (B) | 0.62  | Serum   | IV    | 10    |       | 5.8   |       |         | 0.84   | 1.7       |          |
| 53  | ✓      | 9000168 | 24  | oxytetracycline   | Cattle (B) | 0.62  | Serum   | IV    | 10    |       | 9.7   |       |         | 1.28   | 1.4       |          |
| 54  | ✓      | 9000501 | 2   | oxytetracycline   | Cattle     |       | Serum   | IV    | 6     |       |       |       |         |        |           |          |
| 55  | ✓      | 9000533 | 2   | oxytetracycline   | Cattle     |       | Serum   | IV    | 11    |       | 4.73  |       | 0.38203 |        | 1.4354537 | 127.7481 |
| 56  | ✓      | 9000533 | 3   | oxytetracycline   | Cattle     |       | Serum   | IV    | 5.5   |       | 5.75  |       | 0.07649 |        | 0.6182903 | 148.2823 |
| 57  | ✓      | 9000533 | 10  | oxytetracycline   | Cattle     |       | Serum   | IV    | 11    |       | 8.33  |       | 0.91778 |        | 1.349769  | 135.8587 |
| 58  | ✓      | 9000533 | 14  | oxytetracycline   | Cattle     |       | Serum   | IV    | 11    |       | 5.37  |       | 0.29476 |        | 1.1720677 | 156.4524 |
| 59  | ✓      | 9001999 | 11  | Oxytetracycline   | Cattle (D) | 0.49  | Serum   | IV    | 10    | 153   | 3.38  |       |         |        |           |          |
| 60  | ✓      | 9003163 | 22  | Oxytetracycline   | Cattle (D) |       | Serum   | IV    | 11    | 249.9 | 7.6   |       |         |        |           | 100.8615 |
| 61  | ✓      | 9004448 | 12  | oxytetracycline   | Cattle (D) | 0.004 | Serum   | IV    | 10    |       | 11.21 | 0.335 |         | 1.67   | 1.66      |          |
| 62  | ✓      | 9004448 | 13  | oxytetracycline   | Cattle (D) | 0.019 | Serum   | IV    | 10    |       | 10.8  | 0.350 |         | 1.180  | 1.25      |          |
| 63  | ✓      | 9004448 | 14  | oxytetracycline   | Cattle (D) | 0.038 | Serum   | IV    | 10    |       | 9.52  | 0.367 |         | 1.270  | 1.54      |          |
| 64  | ✓      | 9004448 | 15  | oxytetracycline   | Cattle (D) | 0.077 | Serum   | IV    | 10    |       | 7.84  | 0.37  |         | 1.03   | 1.49      |          |



| No. | status | CitNum: | Gel | ActiveIngredient: | Species:   | Age:  | Matrix: | IntCo | Dose: | BW    | HL   | Vc    | Vdss    | VdArea | CLR       | AUC       |
|-----|--------|---------|-----|-------------------|------------|-------|---------|-------|-------|-------|------|-------|---------|--------|-----------|-----------|
|     |        |         |     |                   |            |       |         |       | mg/kg | kg    | h    | l/kg  | l/kg    | l/kg   | ml/min*kg | ug*h/ml   |
| 65  | ✓      | 9004448 | 16  | oxytetracycline   | Cattle (D) | 0.115 | Serum   | IV    | 10    |       | 6.43 | 0.193 |         | 1.07   | 1.88      |           |
| 66  | ✓      | 9004448 | 17  | oxytetracycline   | Cattle (D) | 0.68  | Serum   | IV    | 10    |       | 6.29 | 0.224 |         | 1.160  | 2.17      |           |
| 67  | ✓      | 9004473 | 3   | oxytetracycline   | Cattle (D) |       | Serum   | IV    | 20    | 200   | 7.16 |       | 0.828   |        | 1.5314729 | 217.6947  |
| 68  | ✓      | 9004789 | 3   | oxytetracycline   | Cattle (B) | 0.5   | Serum   | IV    | 10    | 145   | 2.8  |       |         |        | 3.1673    | 57.99     |
| 69  | ✓      | 9004789 | 4   | oxytetracycline   | Cattle (B) | 0.5   | Serum   | IV    | 10    | 145   | 2.53 |       |         |        | 3.334     | 51.26     |
| 70  | ✓      | 9004789 | 7   | oxytetracycline   | Cattle (B) | 0.5   | Serum   | IV    | 10    | 145   | 3.16 |       |         |        | 3.334     | 55.88     |
| 71  | ✓      | 9004803 | 5   | oxytetracycline   | Cattle (D) | 0.11  | Serum   | IV    | 10    |       | 0.31 | 0.275 |         | 0.707  | 3.36      |           |
| 72  | ✓      | 9004803 | 6   | oxytetracycline   | Cattle (D) | 0.11  | Serum   | IV    | 10    |       | 3.54 | 0.196 |         | 0.822  | 2.92      |           |
| 73  | ✓      | 9004804 | 1   | oxytetracycline   | Cattle (V) | 0.19  | Serum   | IV    | 10    | 92    | 4.9  |       |         |        |           |           |
| 74  | ✓      | 9005121 | 1   | Oxytetracycline   | Cattle (B) | 0.19  | Serum   | IV    | 10    | 96.5  | 2.79 | 0.277 |         | 0.79   | 4.28      |           |
| 75  | ✓      | 9005121 | 3   | Oxytetracycline   | Cattle (B) | 0.4   | Serum   | IV    | Add   | 180.5 | 3.77 | 0.343 |         | 1.335  | 4.68      |           |
| 76  | ✓      | 9006394 | 1   | oxytetracycline   | Cattle (D) | 0.01  | Serum   | IV    | 11    | 44.8  | 10.4 | 0.46  | 0.91    |        | 1.084     | 169.23652 |
| 77  | ✓      | 9006825 | 2   | oxytetracycline   | Cattle (?) |       | Serum   | IV    | 2.27  | 145   | 5.64 |       | 0.18243 |        | 0.42      | 90.117668 |
| 78  | ✓      | 9006825 | 3   | oxytetracycline   | Cattle (?) |       | Serum   | IV    | 1.14  | 161   | 3.58 |       | 0.68865 |        | 0.428     | 44.3593   |
| 79  | ✓      | 9006825 | 10  | oxytetracycline   | Cattle (?) |       | Serum   | IV    | 2.27  | 158   | 7.13 |       | 0.18097 |        | 0.310     | 122.0729  |
| 80  | ✓      | 9006825 | 14  | oxytetracycline   | Cattle (?) |       | Serum   | IV    | 2.27  | 141   | 5.56 |       | 0.16327 |        | 0.392     | 96.469    |
| 81  | ✓      | 9007107 | 2   | oxytetracycline   | Cattle (B) | 0.58  | Serum   | IV    | 20    | 80    | 7.8  |       | 0.86    |        | 1.268587  | 266.2     |
| 82  | ✓      | 9007626 | 1   | oxytetracycline   | Cattle (B) |       | Serum   | IV    | 20    |       | 7.37 |       | 0.78    |        | 1.20024   | 279       |
| 83  | ✓      | 9007841 | 1   | oxytetracycline   | Cattle (B) | 0.38  | Serum   | IV    | 20    | 120   | 8.15 |       |         |        |           |           |
| 84  | ✓      | 9008017 | 1   | oxytetracycline   | Cattle (D) | 7     | Serum   | IV    | 5     | 510   | 6.66 |       |         | 0.76   |           | 45.34     |
| 85  | ✓      | 9008298 | 1   | oxytetracycline   | Cattle (D) |       | Serum   | IV    | 8.5   |       |      |       |         |        |           |           |
| 86  | ✓      | 9008298 | 3   | oxytetracycline   | Cattle (D) |       | Serum   | IV    | 10    |       |      |       |         |        |           |           |
| 87  | ✓      | 9008298 | 5   | oxytetracycline   | Cattle     |       | Serum   | IV    | 10    |       |      |       |         |        |           |           |
| 88  | ✓      | 9008298 | 7   | oxytetracycline   | Cattle     |       | Serum   | IV    | 10    |       |      |       |         |        |           |           |
| 89  | ✓      | 9008298 | 9   | oxytetracycline   | Cattle     |       | Serum   | IV    | 8     |       |      |       |         |        |           |           |
| 90  | ✓      | 9008298 | 11  | oxytetracycline   | Cattle     |       | Serum   | IV    | 10    |       |      |       |         |        |           |           |
| 91  | ✓      | 9008298 | 13  | oxytetracycline   | Cattle     |       | Serum   | IV    | 8     |       |      |       |         |        |           |           |
| 92  | ✓      | 9008298 | 15  | oxytetracycline   | Cattle     |       | Serum   | IV    | 10    |       |      |       |         |        |           |           |
| 93  | ✓      | 9008298 | 17  | oxytetracycline   | Cattle     |       | Serum   | IV    | 8.5   |       |      |       |         |        |           |           |
| 94  | ✓      | 9008298 | 19  | oxytetracycline   | Cattle     |       | Serum   | IV    | 8     |       |      |       |         |        |           |           |
| 95  | ✓      | 9008298 | 21  | oxytetracycline   | Cattle     |       | Serum   | IV    | 7.5   |       |      |       |         |        |           |           |
| 96  | ✓      | 9008298 | 23  | oxytetracycline   | Cattle     |       | Serum   | IV    | 8     |       |      |       |         |        |           |           |

| No. | Status | CitNum  | Ge | ActiveIngredient | Species            | Age    | Matrix | UteCo | Dose  | BW    | HL    | Vc    | Vdss    | VdArea | CLR        | AUC      |
|-----|--------|---------|----|------------------|--------------------|--------|--------|-------|-------|-------|-------|-------|---------|--------|------------|----------|
|     |        |         |    |                  |                    |        |        |       | mg/kg | kg    | h     | l/kg  | l/kg    | l/kg   | ml/min*kg  | ug*h/ml  |
| 97  | ✓      | 9008298 | 25 | oxytetracycline  | Cattle             | y      | Serum  | IV    | 10    |       |       |       |         |        |            |          |
| 98  | ✓      | 9008315 | 1  | oxytetracycline  | Cattle             | 0.25   | Serum  | IV    | 10    |       | 5.53  |       | 0.46    |        | 0.52       | 184.1913 |
| 99  | ✓      | 9008315 | 7  | oxytetracycline  | Cattle             | 0.25   | Serum  | IV    | 10    |       | 4.7   |       |         |        |            |          |
| 100 | ✓      | 9008416 | 2  | oxytetracycline  | Cattle (?)         |        | Serum  | IV    | 0     |       |       |       |         |        |            |          |
| 101 | ✓      | 9008433 | 1  | oxytetracycline  | Cattle (B)         | 0.5    | Serum  | IV    | 20    | 75    | 9.58  | 0.213 | 0.866   | 1.056  | 1.24       | 219.7583 |
| 102 | ✓      | 9008492 | 1  | Oxytetracycline  | Cattle (B)         | 0.5    | Serum  | IV    | 10    | 70    | 10.5  | 0.214 | 0.852   | 0.972  | 1.0648796  | 163.37   |
| 103 | ✓      | 9008492 | 2  | Oxytetracycline  | Cattle (B)         | 0.5    | Serum  | IV    | 10    | 70    | 6.02  | 0.154 | 0.839   | 1.113  | 2.1979395  | 81.25    |
| 104 | ✓      | 9008914 | 1  | Oxytetracycline  | Cattle (B)         | 0.5    | Serum  | IV    | 10    | 67.5  | 10.4  | 0.22  |         | 0.91   | 1.20024    |          |
| 105 | ✓      | 9008914 | 2  | Oxytetracycline  | Cattle (B)         | 0.5    | Serum  | IV    | 10    | 67.5  | 7.4   | 0.195 |         | 0.66   | 1.23358    |          |
| 106 | ✓      | 9007372 | 1  | oxytetracycline  | Chickens           |        | Blood  | IV    | 10    | 1.32  | 4.71  |       | 0.66    |        | 1.63       | 116.09   |
| 107 | ✓      | 9007372 | 2  | oxytetracycline  | Chickens           |        | Blood  | IV    | 30    | 1.32  | 5.22  |       | 0.72    |        | 1.65       | 327.94   |
| 108 | ✓      | 9000052 | 1  | oxytetracycline  | Chickens           |        | Plasma | IV    | 10    | 1.5   | 4.6   | 0.15  | 0.71    | 0.68   | 1.667      | 592.5    |
| 109 | ✓      | 9000052 | 2  | oxytetracycline  | Chickens           |        | Plasma | IV    | 30    | 1.5   | 5.22  | 0.02  | 0.06    | 0.75   | 1.667      | 19444.8  |
| 110 | ✓      | 9008479 | 1  | Oxytetracycline  | Chickens           |        | Plasma | IV    | 10    | 1.32  | 13.24 | 0.13  |         | 2.75   | 2.6672     | 70.9699  |
| 111 | ✓      | 9009838 | 1  | oxytetracycline  | Chickens           |        | Plasma | IV    | 10    | 2     | 6.23  |       | 1.290   |        | 2.42382    |          |
| 112 | ✓      | 9000368 | 3  | oxytetracycline  | Chickens           | 0.16   | Serum  | IV    | 10    |       | 2.42  |       | 896907  |        | 42.8472344 | 3.89578  |
| 113 | ✓      | 9000368 | 4  | oxytetracycline  | Chickens           | 0.16   | Serum  | IV    | 10    |       | 2.12  |       | 9.02649 |        | 49.1373255 | 3.392536 |
| 114 | ✓      | 9008376 | 1  | oxytetracycline  | Chickens           | 0.1643 | Serum  | IV    | 6     | 1.75  | 1.72  |       |         | 5.58   | 37.26      |          |
| 115 | ✓      | 8004007 | 1  | oxytetracycline  | Dogs               |        | Serum  | IV    | 5     | 10.52 | 6.01  |       |         | 2.096  | 4.23       |          |
| 116 | ✓      | 8004034 | 4  | oxytetracycline  | Dogs               |        | Serum  | IV    | 10    |       |       |       |         |        |            |          |
| 117 | ✓      | 8004034 | 5  | oxytetracycline  | Dogs               |        | Serum  | IV    | 10    |       |       |       |         |        |            |          |
| 118 | ✓      | 9006673 | 12 | oxytetracycline  | Dogs               |        | Serum  | IV    | 0     |       |       |       |         |        |            |          |
| 119 | ✓      | 9011456 | 1  | Oxytetracycline  | Eel (Anguilla)     |        | Serum  | IV    | 50    | 0.158 | 115   | 0.13  | 0.45    |        | 0.0496766  | 16.752   |
| 120 | ✓      | 9013627 | 1  | oxytetracycline  | Elephants          |        | Serum  | IV    | 0     |       |       |       |         |        |            |          |
| 121 | ✓      | 9008103 | 3  | oxytetracycline  | Elephants, African |        | Serum  | IV    | 9.2   | 819   | 19.2  |       |         | 2.48   | 89.2       | 106      |
| 122 | ✓      | 9008103 | 4  | oxytetracycline  | Elephants, African |        | Serum  | IV    | 18.2  | 819   | 18.1  |       |         | 0.103  | 102.8      | 183      |
| 123 | ✓      | 9008738 | 1  | oxytetracycline  | Elephants, Asian   |        | Plasma | IV    | 20    | 203.0 | 5.02  |       |         | 3.29   | 9.6107551  | 34.69033 |
| 124 | ✓      | 9011451 | 1  | oxytetracycline  | Fish               |        | Plasma | IV    | 40    | 0.09  | 34.5  | 1.7   | 4.0     |        | 1.3336     | 549      |
| 125 | ✓      | 8005182 | 1  | oxytetracycline  | Goats              |        | Blood  | IV    | 10    | 38.3  |       |       |         |        |            |          |
| 126 | ✓      | 8005316 | 2  | oxytetracycline  | Goats              |        | Blood  | IV    | 10    | 38.3  | 6.1   |       |         |        |            |          |
| 127 | ✓      | 8005316 | 3  | oxytetracycline  | Goats              |        | Blood  | IV    | 10    | 38.3  | 7.3   |       |         |        |            |          |
| 128 | ✓      | 9014906 | 3  | oxytetracycline  | Goats              |        | Blood  | IV    |       |       |       |       |         |        |            |          |

Oxytetracycline

| No. | tatus | CitNum: | Gel | Activelngredient: | Species:  | Age: | Matrix: | uteCo | Dose: | BW    | HL    | Vc    | Vdss  | VdArea | CLR        | AUC       |
|-----|-------|---------|-----|-------------------|-----------|------|---------|-------|-------|-------|-------|-------|-------|--------|------------|-----------|
|     |       |         |     |                   |           |      |         |       | mg/kg | kg    | h     | l/kg  | l/kg  | l/kg   | ml/min*kg  | ug*h/ml   |
| 129 | ✓     | 9000933 | 5   | oxytetracycline   | Goats     | Y    | Plasma  | IV    | 10    | 37    | 3.89  |       |       |        |            | 12.08     |
| 130 | ✓     | 9001341 | 6   | Oxytetracycline   | Goats     | 1    | Plasma  | IV    | 5     | 10    | 1.11  | 0.28  | 0.51  | 2.53   | 72846233   | 27.69     |
| 131 | ✓     | 9005137 | 1   | oxytetracycline   | Goats     | 1    | Plasma  | IV    | 10    | 11    | 2.77  | 0.43  | 0.95  | 1.07   | 4.43       | 37.67     |
| 132 | ✓     | 9005137 | 2   | oxytetracycline   | Goats     | 1    | Plasma  | IV    | 10    | 11    | 6.46  | 0.45  | 1.23  | 1.44   | 2.67       | 65.7      |
| 133 | ✓     | 9005546 | 2   | oxytetracycline   | Goats     |      | Plasma  | IV    | 10    | 40    | 6.01  | 0.42  | 1.07  | 1.23   | 2.33       | 72.9      |
| 134 | ✓     | 9005546 | 3   | oxytetracycline   | Goats     |      | Plasma  | IV    | 10    | 40    | 5.45  |       |       |        |            | 65.56     |
| 135 | ✓     | 9006005 | 1   | oxytetracycline   | Goats     |      | Plasma  | IV    | 20    |       | 2.78  |       |       | 0.72   | 3.334      | 112.00    |
| 136 | ✓     | 9007355 | 2   | oxytetracycline   | Goats     |      | Plasma  | IV    | 20    |       | 5.95  |       |       | 1.17   | 2.3338     | 150.00    |
| 137 | ✓     | 9007355 | 3   | oxytetracycline   | Goats     |      | Plasma  | IV    | 20    |       | 4.08  |       |       | 1.06   | 2.5005     | 92.30     |
| 138 | ✓     | 9007355 | 4   | oxytetracycline   | Goats     |      | Plasma  | IV    | 20    |       | 3.16  |       |       | 0.97   | 3.6674     | 96.17     |
| 139 | ✓     | 9007389 | 3   | oxytetracycline   | Goats     | 1    | Plasma  | IV    | 5     | 12    | 4.08  |       |       | 1.067  | 1.76       | 502.66    |
| 140 | ✓     | 9007416 | 1   | oxytetracycline   | Goats     |      | Plasma  | IV    | 10    |       | 6.46  |       |       | 1.44   | 2.4672     | 65.69     |
| 141 | ✓     | 9007416 | 2   | oxytetracycline   | Goats     |      | Plasma  | IV    | 10    |       | 6.01  |       |       | 1.23   | 2.3338     | 72.88     |
| 142 | ✓     | 9007488 | 1   | oxytetracycline   | Goats     |      | Plasma  | IV    | 10    | 21    | 3.99  | 1.141 | 3.088 |        | 10.1383606 | 8.23      |
| 143 | ✓     | 9007545 | 1   | Oxytetracycline   | Goats     | 1    | Plasma  | IV    | 5     | 10    | 5.53  | 1.281 | 2.295 |        | 6.2445487  | 16.04     |
| 144 | ✓     | 9007545 | 2   | Oxytetracycline   | Goats     | 1    | Plasma  | IV    | 5     | 10    | 6.59  | 1.03  | 1.40  |        | 3.0266052  | 27.61     |
| 145 | ✓     | 9007545 | 3   | Oxytetracycline   | Goats     | 1    | Plasma  | IV    | 5     | 10    | 9.19  | 0.85  | 1.34  |        | 2.7218796  | 30.54     |
| 146 | ✓     | 9007545 | 4   | Oxytetracycline   | Goats     | 1    | Plasma  | IV    | 5     | 10    | 1.11  |       |       | 0.28   | 6.1623989  | 27.69     |
| 147 | ✓     | 9007546 | 1   | oxytetracycline   | Goats     | 1    | Plasma  | IV    | 10    | 12    | 0.8   |       |       | 0.32   | 4.6114221  | 36.83     |
| 148 | ✓     | 9007546 | 2   | oxytetracycline   | Goats     |      | Plasma  | IV    | 10    | 14    | 8.93  |       |       |        |            | 80.920    |
| 149 | ✓     | 9012188 | 1   | oxytetracycline   | Goats     |      | Plasma  | IV    | 10    | 14    | 12.41 |       |       |        |            | 122.205   |
| 150 | ✓     | 9012188 | 3   | oxytetracycline   | Goats     |      | Plasma  | IV    | 10    | 14    | 10.5  |       |       |        |            |           |
| 151 | ✓     | 8004029 | 1   | oxytetracycline   | Horses    | 7.5  | Plasma  | IV    | 2.5   | 55    | 7.3   | 0.94  | 2.17  | 2.19   | 3.17       | 351.4     |
| 152 | ✓     | 8004041 | 2   | oxytetracycline   | Horses    | 0.01 | Plasma  | IV    | 59.6  | 55    | 6.71  | 0.55  | 1.95  | 1.99   |            | 351.4     |
| 153 | ✓     | 9005295 | 1   | oxytetracycline   | Horses    | 0.01 | Plasma  | IV    | 58.2  | 55    | 6.72  |       |       |        |            | 351.4     |
| 154 | ✓     | 9005295 | 2   | oxytetracycline   | Horses    |      | Serum   | IV    | 5     |       | 6.72  |       |       |        |            |           |
| 155 | ✓     | 8004027 | 2   | oxytetracycline   | Horses    | 7    | Serum   | IV    | 4.4   |       | 17.84 |       |       |        |            |           |
| 156 | ✓     | 8004032 | 12  | Oxytetracycline   | Horses    |      | Serum   | IV    | 5     |       | 3.78  |       |       |        |            | 17.167906 |
| 157 | ✓     | 9008181 | 1   | Oxytetracycline,  | Horses    | 3.5  | Serum   | IV    | 6.6   | 4465  | 6.08  |       |       |        |            | 50.75     |
| 158 | ✓     | 9007614 | 2   | oxytetracycline   | Pacu, Red |      | Plasma  | IV    | 5     | 0.170 |       |       |       |        |            | 688.89    |

| No. | Status | CitNum  | Ge | ActiveIngredient | Species          | Age   | Matrix | uteCo | Dose  | BW    | HL     | Vc    | Vdss  | VdArea | CLR       | AUC      |
|-----|--------|---------|----|------------------|------------------|-------|--------|-------|-------|-------|--------|-------|-------|--------|-----------|----------|
|     |        |         |    |                  |                  |       |        |       | mg/kg | kg    | h      | l/kg  | l/kg  | l/kg   | ml/min*kg | ug*h/ml  |
| 161 | ✓      | 9011247 | 3  | Oxytetracycline  | Parrot (鳥)       | y     | Plasma | IV    | 20    | 0.126 | 4.28   |       | 1.50  | 1.074  | 6.317     | 52.8     |
| 162 | ✓      | 9001000 | 2  | oxytetracycline  | Pheasants (鳥)    | 0.6   | Plasma | IV    | 25    | 1.01  | 2.53   |       |       |        |           |          |
| 163 | ✓      | 9014963 | 1  | oxytetracycline  | Pigeons (鳥)      |       | Plasma | IV    | 15    |       |        |       |       |        |           |          |
| 164 | ✓      | 9009608 | 1  | Oxytetracycline  | Quail (鳥)        |       | Plasma | IV    | 20    | 0.12  |        | 0.371 | 1.47  |        | 9.08515   | 36.72    |
| 165 | ✓      | 9011247 | 1  | Oxytetracycline  | Quail            |       | Plasma | IV    | 20    | 0.12  | 2.54   |       | 1.58  |        | 8.4833    | 39.3     |
| 166 | ✓      | 9004298 | 1  | Oxytetracycline  | Rabbits          |       | Plasma | IV    | 10    | 0.38  | 1.32   | 0.185 | 0.668 | 0.861  | 7.23      |          |
| 167 | ✓      | 9004456 | 1  | oxytetracycline  | Rats             |       | Serum  | IV    | 20    | 0.4   | 27.2   |       |       | 0.788  | 2.786     |          |
| 168 | ✓      | 9007527 | 1  | oxytetracycline  | Salmon, Atlantic |       | Plasma | IV    | 20    | 0.4   | 50.7   |       |       |        |           | 929.3    |
| 169 | ✓      | 9014921 | 2  | oxytetracycline  | Salmon, Atlantic |       | Plasma | IV    |       |       |        |       |       |        |           |          |
| 170 | ✓      | 9009187 | 13 | oxytetracycline  | Salmon, Chinook  |       | Blood  | IV    | 50    | 0.3   | 164.64 |       |       |        |           |          |
| 171 | ✓      | 9009187 | 18 | oxytetracycline  | Salmon, Chinook  |       | Blood  | IV    | 5     | 0.3   | 127.92 |       |       |        |           |          |
| 172 | ✓      | 9009216 | 1  | oxytetracycline  | Seabream, gilt-  |       | Plasma | IV    | 40    | 0.1   | 53     | 1.2   | 2.9   | 3.8    | 0.8335    | 778      |
| 173 | ✓      | 8004202 | 12 | oxytetracycline  | Sheep            |       | Blood  | IV    | 20    | 57    | 9.24   |       |       |        |           |          |
| 174 | ✓      | 8004019 | 1  | oxytetracycline  | Sheep            |       | Plasma | IV    | var   |       | 3.6    |       |       |        |           |          |
| 175 | ✓      | 8004019 | 4  | oxytetracycline  | Sheep            |       | Plasma | IV    | UNK   |       | 3.6    |       |       |        |           |          |
| 176 | ✓      | 9001341 | 5  | Oxytetracycline  | Sheep            | 0.83  | Plasma | IV    | 5     | 16    | 6.3    |       |       | 2.67   | 4.6894377 | 18.37    |
| 177 | ✓      | 9001980 | 1  | oxytetracycline  | Sheep            |       | Plasma | IV    | 10    | 23.5  |        |       |       |        |           |          |
| 178 | ✓      | 9005517 | 1  | oxytetracycline  | Sheep            |       | Plasma | IV    | 10    |       | 6.12   | 0.42  |       | 1.37   | 2.64      | 64.79    |
| 179 | ✓      | 9007027 | 1  | Oxytetracycline  | Sheep            |       | Plasma | IV    | 20    | 31    | 3.29   | 0.20  | 0.78  | 0.77   | 2.1.67    | 128.69   |
| 180 | ✓      | 9007389 | 4  | oxytetracycline  | Sheep            | 2     | Plasma | IV    | 5     | 20    | 5.94   |       |       | 1.485  | 1.18      | 15.1695  |
| 181 | ✓      | 9008606 | 1  | oxytetracycline  | Sheep            |       | Plasma | IV    | 10    | 4.5   | 4.04   | 0.194 | 0.706 |        | 2.38381   | 69.97    |
| 182 | ✓      | 9009539 | 1  | oxytetracycline  | Sheep            | 0.054 | Plasma | IV    | 10    | 14    | 3.87   |       | 1.75  | 2.21   | 4.3342    | 38.73    |
| 183 | ✓      | 9009544 | 1  | oxytetracycline  | Sheep            |       | Plasma | IV    | 20    | 36.4  | 5.15   | 0.162 |       |        | 2.25      | 161.85   |
| 184 | ✓      | 9009544 | 2  | Oxytetracycline  | Sheep            |       | Plasma | IV    | 20    | 36.4  | 3.95   | 0.133 |       |        | 2.53      | 158.68   |
| 185 | ✓      | 9009635 | 1  | oxytetracycline  | Sheep            |       | Plasma | IV    | 10    |       | 4.76   |       | 0.85  |        | 2.5615122 | 65.07809 |
| 186 | ✓      | 9014908 | 1  | oxytetracycline  | Sheep            |       | Plasma | IV    |       |       | 21.64  |       |       |        |           |          |
| 187 | ✓      | 9014908 | 2  | oxytetracycline  | Sheep            |       | Plasma | IV    | 7.5   |       |        |       |       |        |           |          |
| 188 | ✓      | 9014967 | 2  | oxytetracycline  | Sheep            |       | Plasma | IV    | 20    |       | 1.14   |       |       |        |           |          |
| 189 | ✓      | 9015045 | 1  | oxytetracycline  | Sheep            |       | Plasma | IV    | 40    |       | 10.88  |       |       |        |           |          |
| 190 | ✓      | 9015045 | 2  | oxytetracycline  | Sheep            |       | Plasma | IV    | 80    |       | 5.87   |       |       |        |           |          |
| 191 | ✓      | 9015045 | 3  | oxytetracycline  | Sheep            |       | Plasma | IV    | 160   |       | 7.35   |       |       |        |           |          |
| 192 | ✓      | 9015055 | 3  | oxytetracycline  | Sheep            |       | Plasma | IV    | 20    |       | 22.76  |       |       |        |           |          |

## Oxytetracycline

| No. | tatus | CitNum: | Ge | ActiveIngredient: | Species:       | Age:  | Matrix: | uteCo | Dose: | BW    | HL     | Vc   | Vdss | VdArea | CLR       | AUC       |
|-----|-------|---------|----|-------------------|----------------|-------|---------|-------|-------|-------|--------|------|------|--------|-----------|-----------|
|     |       |         |    |                   |                |       |         |       | mg/kg | kg    | h      | I/kg | I/kg | I/kg   | m/min*kg  | ug*/h/ml  |
| 193 | ✓     | 8004028 | 2  | oxytetracycline   | Sheep          | y     | Serum   | IV    | 20    | 60    | 16.04  |      |      |        | 4.67      |           |
| 194 | ✓     | 9000168 | 17 | oxytetracycline   | Sheep          | 1.3   | Serum   | IV    | 10    |       | 4.1    |      |      | 0.81   | 2.3       |           |
| 195 | ✓     | 9000168 | 18 | oxytetracycline   | Sheep          | 1.3   | Serum   | IV    | 10    |       | 4.5    |      |      | 0.80   | 2.0       |           |
| 196 | ✓     | 9000168 | 19 | oxytetracycline   | Sheep          | 1.3   | Serum   | IV    | 10    |       | 4.1    |      |      | 0.79   | 2.3       |           |
| 197 | ✓     | 9000168 | 20 | oxytetracycline   | Sheep          | 1.3   | Serum   | IV    | 10    |       | 4.6    |      |      | 0.84   | 2.2       |           |
| 198 | ✓     | 9000168 | 21 | oxytetracycline   | Sheep          | 3.5   | Serum   | IV    | 10    |       | 5.2    |      |      | 0.58   | 1.4       |           |
| 199 | ✓     | 9000168 | 22 | oxytetracycline   | Sheep          | 3.5   | Serum   | IV    | 10    |       | 5.7    |      |      | 0.65   | 1.4       |           |
| 200 | ✓     | 9004638 | 2  | oxytetracycline   | Sheep          |       | Serum   | IV    | 20    |       |        |      |      |        |           |           |
| 201 | ✓     | 9014974 | 1  | oxytetracycline   | Sheep          |       | Serum   | IV    | 20    |       |        |      |      |        |           |           |
| 202 | ✓     | 9014974 | 2  | oxytetracycline   | Sheep          |       | Serum   | IV    | 20    |       |        |      |      |        |           |           |
| 203 | ✓     | 9012123 | 1  | oxytetracycline   | Shellfish      |       | Serum   | IV    | 25    |       | 128.3  |      |      | 1.164  | 0.044     | 9524.60   |
| 204 | ✓     | 8004003 | 2  | oxytetracycline   | Swine          |       | Plasma  | IV    | 20    | 30    | 3.56   |      |      | 1.21   | 4.5122356 | 73.8872   |
| 205 | ✓     | 8004019 | 2  | oxytetracycline   | Swine          |       | Plasma  | IV    | UNK   |       | 6.7    |      |      |        |           |           |
| 206 | ✓     | 8005099 | 1  | oxytetracycline   | Swine          |       | Plasma  | IV    | 9.5   | 22    | 4.85   |      |      | 1.45   | 3.8414348 | 41.2259   |
| 207 | ✓     | 9000218 | 17 | oxytetracycline   | Swine          |       | Plasma  | IV    | 11    |       | 3.53   | 1.04 |      |        |           | 57.5      |
| 208 | ✓     | 9000228 | 1  | Oxytetracycline   | Swine          |       | Plasma  | IV    | 10    | 25    | 5.99   |      |      | 1.46   | 2.88391   | 57.5      |
| 209 | ✓     | 9000602 | 1  | oxytetracycline   | Swine          | 0.154 | Plasma  | IV    | 11    | 16.4  | 3.84   |      |      | 0.748  | 3.57      | 51.373083 |
| 210 | ✓     | 9000602 | 2  | oxytetracycline   | Swine          | 0.154 | Plasma  | IV    | 11    | 38.2  | 14.1   |      |      |        | 4.15      | 81.2      |
| 211 | ✓     | 9004480 | 1  | oxytetracycline   | Swine          | 0.19  | Plasma  | IV    | 20    | 15.5  | 14.1   |      |      |        |           |           |
| 212 | ✓     | 9005444 | 1  | oxytetracycline   | Swine          | 0.11  | Plasma  | IV    | 10    | 11.1  | 7.5    |      |      |        |           | 43        |
| 213 | ✓     | 9007466 | 1  | oxytetracycline   | Swine          |       | Plasma  | IV    | 95    | 30    |        |      |      |        |           |           |
| 214 | ✓     | 9008271 | 14 | oxytetracycline   | Swine          |       | Plasma  | IV    | 9.5   |       | 1.6    |      |      | 1.4    |           | 43.4      |
| 215 | ✓     | 9008293 | 7  | oxytetracycline   | Swine          |       | Plasma  | IV    |       |       |        |      |      |        |           |           |
| 216 | ✓     | 9009307 | 1  | oxytetracycline   | Swine          |       | Plasma  | IV    | 30    | 78    | 10.32  |      |      | 3.63   | 5.3344    |           |
| 217 | ✓     | 9009339 | 3  | oxytetracycline   | Swine          |       | Plasma  | IV    | 5     |       |        |      |      |        |           |           |
| 218 | ✓     | 9000602 | 26 | oxytetracycline   | Swine          | 0.23  | Serum   | IV    | 11    | 31.75 |        |      |      |        |           |           |
| 219 | ✓     | 9004036 | 1  | oxytetracycline   | Swine          |       | Serum   | IV    | 50    | 40    | 6.21   |      |      | 1.78   | 3.37      | 253.2     |
| 220 | ✓     | 9004036 | 2  | oxytetracycline   | Swine          |       | Serum   | IV    | 10    | 40    | 5.86   |      |      | 1.84   | 3.63      | 46.3      |
| 221 | ✓     | 9004036 | 3  | oxytetracycline   | Swine          |       | Serum   | IV    | 10    | 40    | 5.11   |      |      | 1.44   | 3.23      | 51.7      |
| 222 | ✓     | 9004036 | 4  | oxytetracycline   | Swine          |       | Serum   | IV    | 50    | 40    | 5.22   |      |      | 1.62   | 3.5       | 239.2     |
| 223 | ✓     | 9014907 | 1  | oxytetracycline   | Swine          |       | Serum   | IV    | 15    |       |        |      |      |        |           |           |
| 224 | ✓     | 9009187 | 3  | oxytetracycline   | Trout, Rainbow |       | Blood   | IV    | 50    | 0.3   | 173.28 |      |      |        |           |           |

| No. | Status | CitNum: | GeI | ActiveIngredient: | Species:                | Age:  | Matrix: | UteCo | Dose: | BW    | HL     | Vc    | Vdss   | VdArea | CLR       | AUC        |
|-----|--------|---------|-----|-------------------|-------------------------|-------|---------|-------|-------|-------|--------|-------|--------|--------|-----------|------------|
|     |        |         |     |                   |                         |       |         |       | mg/kg | kg    | h      | l/kg  | l/kg   | l/kg   | ml/min*kg | ug*h/ml    |
| 225 | ✓      | 9009187 | 8   | oxytetracycline   | Trout, Rainbow          | y     | Blood   | IV    | 5     | 0.3   | 154.08 |       |        |        |           |            |
| 226 | ✓      | 9004435 | 1   | oxytetracycline   | Trout, Rainbow          |       | Plasma  | IV    | 60    | 0.323 | 89.5   | 0.09  |        | 2.1    | 0.27      | 3759       |
| 227 | ✓      | 9004664 | 1   | oxytetracycline   | Trout, Rainbow          |       | Plasma  | IV    | 20    | 0.514 | 60.3   |       | 1.171  |        | 0.27      |            |
| 228 | ✓      | 9005219 | 2   | Oxytetracycline   | Trout, Rainbow          |       | Plasma  | IV    | 20    | 0.541 | 60.3   | 0.198 | 1.17   | 1.39   | 0.27      | 1129       |
| 229 | ✓      | 9004787 | 1   | oxytetracycline   | Trout, Rainbow          |       | Serum   | IV    | 5     | 0.37  | 81.5   | 0.185 |        | 2.988  | 0.42      | 196.9      |
| 230 | ✓      | 9010015 | 1   | oxytetracycline   | Trout, Rainbow          |       | Serum   | IV    | 50    | 0.163 | 52     | 0.151 |        | 1.46   | 0.326732  | 2554       |
| 231 | ✓      | 9011498 | 1   | oxytetracycline   | Trout, Rainbow          |       | Plasma  | IV    | 60    |       | 130    |       |        | 4      | 0.393412  |            |
| 232 | ✓      | 9011498 | 2   | oxytetracycline   | Trout, Rainbow          |       | Plasma  | IV    | 60    |       | 76     |       |        | 2.66   | 0.408415  |            |
| 233 | ✓      | 9003037 | 1   | oxytetracycline   | Turkeys (6)             |       | Plasma  | IV    | 1     | 53.3  | 0.73   | 0.406 |        | 3.622  | 0.06096   | 2.612      |
| 234 | ✓      | 9011096 | 1   | oxytetracycline   | Turkeys                 | 1.019 | Plasma  | IV    | 25    | 10.08 | 10.96  |       | 1.11   |        | 1.6963392 | 245.665570 |
| 235 | ✓      | 9013646 | 1   | oxytetracycline   | Turtles, Tortoises (14) | 2     | Plasma  | IV    | 25    | 7.98  | 64.08  |       | 18.49  | 57.56  | 4.9269852 | 185.50     |
| 236 | ✓      | 9004499 | 1   | oxytetracycline   | Wallaby, Red-           |       | Plasma  | IV    | 40    | 9.5   | 11.45  |       |        | 2.041  |           |            |
| 237 | ✓      | 9014202 | 1   | Oxytetracycline   | Wallaby, Red-           | 5-Feb | Plasma  | IV    | 40    | 5.9   | 3.6    |       | 1013.2 |        | 4.345869  | 155.7      |

| No. | Status | CitNum: | GenActiveIngredient | Species:   | Age:  | Matrix: | SiteCo | Dose: | BW    | HL   | Vc    | Vdss    | VdArea | CLR        | AUC       |
|-----|--------|---------|---------------------|------------|-------|---------|--------|-------|-------|------|-------|---------|--------|------------|-----------|
|     |        |         |                     |            |       |         |        | mg/kg | kg    | h    | l/kg  | l/kg    | l/kg   | ml/min*kg  | ug*h/ml   |
| 1   | ✓      | 9000473 | 3 erythromycin      | Cattle     | Y     | Plasma  | IV     | Add   |       |      |       |         |        |            |           |
| 2   | ✓      | 9000168 | 15 erythromycin     | Cattle (B) | 0.624 | Serum   | IV     | 15    |       | 3.4  |       |         | 1.27   | 4.2        |           |
| 3   | ✓      | 9000168 | 16 erythromycin     | Cattle (B) | 0.62  | Serum   | IV     | 15    |       | 3.9  |       |         | 1.40   | 4.7        |           |
| 4   | ✓      | 9000195 | 1 erythromycin      | Cattle (D) |       | Serum   | IV     | 12.5  | 590   | 3.66 |       |         |        | 25565112   | 81.508744 |
| 5   | ✓      | 9001369 | 1 erythromycin      | Cattle (D) | 0.29  | Serum   | IV     | 15    | 97.01 | 2.38 |       |         |        | 71946053   | 34.755576 |
| 6   | ✓      | 9001369 | 2 erythromycin      | Cattle (D) | 0.29  | Serum   | IV     | 15    | 97.01 | 1.78 |       |         |        | 5.9621924  | 41.932490 |
| 7   | ✓      | 9001369 | 3 erythromycin      | Cattle (D) | 0.29  | Serum   | IV     | 15    | 97.01 | 1.74 |       |         |        | 11.8448885 | 21.110332 |
| 8   | ✓      | 9001369 | 6 erythromycin      | Cattle (D) |       | Serum   | IV     | 15    |       |      |       |         |        |            |           |
| 9   | ✓      | 9004021 | 4 erythromycin      | Cattle (B) |       | Serum   | IV     | 15    | 200   | 2.9  | 0.22  | 0.835   | 1.187  | 4.3        | 58.7      |
| 10  | ✓      | 9004021 | 5 erythromycin      | Cattle (B) |       | Serum   | IV     | 30    | 200   | 4.1  | 0.319 | 1.596   | 1.748  | 4.8        | 94.5      |
| 11  | ✓      | 9005196 | 4 erythromycin      | Cattle (B) |       | Serum   | IV     | 15    | 90.9  | 2.98 | 0.448 | 2.499   | 3.056  | 11.83      |           |
| 12  | ✓      | 9005196 | 5 erythromycin      | Cattle (B) |       | Serum   | IV     | 15    | 90.9  | 3.57 | 0.168 | 0.191   | 1.789  | 5.79       |           |
| 13  | ✓      | 9005196 | 6 erythromycin      | Cattle (B) |       | Serum   | IV     | 15    | 90.9  | 2.41 | 0.313 | 1.288   | 1.431  | 7.15       |           |
| 14  | ✓      | 9005196 | 7 erythromycin      | Cattle (B) |       | Serum   | IV     | 15    | 90.9  | 2.94 | 0.354 | 1.075   | 1.244  | 4.76       |           |
| 15  | ✓      | 9005454 | 9 erythromycin      | Cattle (D) |       | Serum   | IV     | 9     | 564   | 3.06 |       | 1.62    |        | 7.8394     | 19.137749 |
| 16  | ✓      | 9009895 | 1 Erythromycin      | Cattle (D) | 0.04  | Serum   | IV     | 20    |       | 2.69 | 0.68  |         | 1.47   | 6.32       |           |
| 17  | ✓      | 9009895 | 2 Erythromycin      | Cattle (D) | 0.21  | Serum   | IV     | 20    |       | 2.41 | 0.62  |         | 1.38   | 6.62       |           |
| 18  |        | 9008573 | 1 erythromycin      | Chickens   |       | Blood   | IV     | 0     |       | 3.48 |       |         |        |            |           |
| 19  |        | 9010841 | 1 erythromycin      | Chickens   | 0.123 | Plasma  | IV     | 30    |       | 4.79 |       |         |        |            |           |
| 20  | ✓      | 9009976 | 2 erythromycin      | Dogs       |       | Plasma  | IV     | 0     |       |      |       |         |        |            |           |
| 21  | ✓      | 9012984 | 1 Erythromycin      | Dogs       |       | Plasma  | IV     | 10    | 10.89 | 1.35 |       |         | 4.80   | 44.0088    | 4.20      |
| 22  | ✓      | 9005609 | 2 erythromycin      | Dogs       |       | Serum   | IV     | 10    | 10    | 1.72 |       | 2.7     |        | 21         |           |
| 23  | ✓      | 9013522 | 1 erythromycin      | Dogs       |       | Serum   | IV     | 0.7   | 10.9  |      |       |         |        |            |           |
| 24  | ✓      | 9013522 | 2 erythromycin      | Dogs       |       | Serum   | IV     | 0.7   | 10.9  |      |       |         |        |            |           |
| 25  | ✓      | 9013730 | 7 erythromycin      | Dogs       |       | Serum   | IV     | 10    |       | 1.2  |       | 2.0     |        | 16         | 1.1021    |
| 26  | ✓      | 9011894 | 1 erythromycin      | Goats      |       | Serum   | IV     | 10    | 24.5  | 1.41 | 3.28  | 8.04    |        | 139.6946   | 1.22      |
| 27  | ✓      | 9011894 | 2 erythromycin      | Goats      |       | Serum   | IV     | 10    | 28.17 | 3.32 | 1.68  | 11.84   |        | 62.8459    | 2.76      |
| 28  | ✓      | 9010383 | 1 Erythromycin      | Horses     | 0.249 | Plasma  | IV     | 10    |       | 1.25 |       | 4.4429  |        | 53.658972  | 3.36      |
| 29  | ✓      | 9010837 | 3 Erythromycin      | Horses     | 0.33  | Plasma  | IV     | 10    |       | 1.18 |       |         |        |            | 9.283     |
| 30  | ✓      | 9001145 | 1 erythromycin      | Horses     | 0.08  | Serum   | IV     | 5     |       | 1.73 |       | 4.39926 |        | 46.0867155 | 1.808546  |
| 31  | ✓      | 9001145 | 2 erythromycin      | Horses     | 0.21  | Serum   | IV     | 20    |       | 1.1  | 1.7   |         | 7.2    | 0.08335    |           |
| 32  | ✓      | 9001145 | 3 erythromycin      | Horses     |       | Serum   | IV     | 5     |       | 1    | 0.2   |         | 2.3    | 0.03167    |           |

(7-1)

| No. | Status | CitNum  | Gen | ActiveIngredient | Species | Age   | Matrix | Route | Dose  | BW    | HL   | Vc   | Vdss     | VdArea | CLR        | AUC       |
|-----|--------|---------|-----|------------------|---------|-------|--------|-------|-------|-------|------|------|----------|--------|------------|-----------|
|     |        |         |     |                  |         |       |        |       | mg/kg | kg    | h    | l/kg | l/kg     | l/kg   | ml/min*kg  | ug*h/ml   |
| 33  | ✓      | 9000367 | 1   | Erythromycin     | Humans  | y     | Plasma | IV    | 250   | To    | 1.56 |      |          |        |            |           |
| 34  | ✓      | 9004154 | 3   | erythromycin     | Mice    |       | Serum  | IV    | 100   | 0.02  | 0.97 |      | 3.26158  |        | 43.23847   | 38.553626 |
| 35  | ✓      | 9005609 | 1   | erythromycin     | Mice    |       | Serum  | IV    | 10    | 0.02  | 0.65 |      | 3.6      |        | 77         |           |
| 36  | ✓      | 9010387 | 1   | Erythromycin     | Rabbits |       | Plasma | IV    | 10    | 1.5   | 3.96 |      | 11.90976 |        | 34.9073134 | 7.2       |
| 37  | ✓      | 9010387 | 2   | Erythromycin     | Rabbits |       | Plasma | IV    | 10    | 1.5   | 6.22 |      | 19.58211 |        | 36.4426204 | 7.125     |
| 38  | ✓      | 9005609 | 4   | erythromycin     | Rabbits |       | Serum  | IV    | 10    | 3.2   | 1.4  |      | 6.8      |        | 53         |           |
| 39  | ✓      | 9005609 | 3   | erythromycin     | Rats    |       | Serum  | IV    | 25    | 0.25  | 1.27 |      | 9.3      |        | 73         |           |
| 40  | ✓      | 9013730 | 5   | erythromycin     | Rats    |       | Serum  | IV    | 25    |       | 1.2  |      | 9.5      |        | 73         | 4.6       |
| 41  | ✓      | 9000693 | 2   | erythromycin     | Sheep   |       | Plasma | IV    | 3     | 39.5  |      |      |          |        | 2.78       |           |
| 42  | ✓      | 9014297 | 1   | erythromycin     | Sheep   |       | Plasma | IV    | 5     | 58.95 | 1.85 |      |          |        |            | 2.227     |
| 43  | ✓      | 9000168 | 9   | erythromycin     | Sheep   | 1.3   | Serum  | IV    | 15    |       | 2.6  |      |          | 2.11   | 9          |           |
| 44  | ✓      | 9000168 | 10  | erythromycin     | Sheep   | 1.3   | Serum  | IV    | 15    |       | 2.2  |      |          | 1.52   | 8          |           |
| 45  | ✓      | 9000168 | 11  | erythromycin     | Sheep   | 1.3   | Serum  | IV    | 15    |       | 1.9  |      |          | 1.27   | 7.6        |           |
| 46  | ✓      | 9000168 | 12  | erythromycin     | Sheep   | 1.3   | Serum  | IV    | 15    |       | 1.8  |      |          | 1.41   | 10.0       |           |
| 47  | ✓      | 9000168 | 13  | erythromycin     | Sheep   | 3.5   | Serum  | IV    | 15    |       | 2.1  |      |          | 1.26   | 5.7        |           |
| 48  | ✓      | 9000168 | 14  | erythromycin     | Sheep   | 3.5   | Serum  | IV    | 15    |       | 2.6  |      |          | 1.53   | 7.0        |           |
| 49  | ✓      | 9013996 | 1   | erythromycin     | Sheep   | 4-Mar | Serum  | IV    | 10    | 3.8   | 4.5  |      | 4.359    |        | 21.53764   | 7.91      |
| 50  | ✓      | 9007288 | 1   | erythromycin     | Swine   | 0     | Plasma | IV    | 10    |       | 3.04 |      | 0.66516  |        | 2.5258384  | 65.998528 |
| 51  | ✓      | 9007288 | 2   | erythromycin     | Swine   | 0.01  | Plasma | IV    | 10    |       | 1.46 |      | 1.14283  |        | 9.0361402  | 18.448302 |
| 52  | ✓      | 9007288 | 3   | erythromycin     | Swine   | 0.04  | Plasma | IV    | 10    |       | 1.61 |      | 3.32073  |        | 23.8517694 | 6.989006  |
| 53  | ✓      | 9007784 | 1   | erythromycin     | Swine   | 0.24  | Plasma | IV    | 5     |       | 1.33 |      | 2.1      |        | 18.3       | 4.557428  |



Tetracycline

| No. | Statu | CitNum: | Gen# | ActiveIngredient:    | Species:                                   | Age:   | Matrix: | uteCol | Dose: | IntiqueHI | BW    | VDss  | VDArea | CLR       | AUC      |
|-----|-------|---------|------|----------------------|--|--------|---------|--------|-------|-----------|-------|-------|--------|-----------|----------|
|     |       |         |      |                      |  | yrs    |         |        | mg/kg | Hrs       | kg    | l/kg  | l/kg   | ml/min*kg | ug*/h/ml |
| 1   | ✓     | 9005076 | 2    | tetracycline         | Catfish                                    |        | Plasma  | IV     | 4     | 16.1      | 0.76  | —     | 0.513  | 0.365     | 155.2    |
| 2   | ✓     | 8004113 | 1    | tetracycline         | Cattle <sup>beef</sup>                     | 1      | Blood   | IV     | 66.5  | 18.7      | 212.5 | —     | —      | —         | 41.3     |
| 3   | ✓     | 8004202 | 16   | tetracycline         | Cattle <sup>beef</sup> <sup>Freeborn</sup> |        | Blood   | IV     | 20    | 12.8      | 535   | —     | —      | —         | —        |
| 4   | ✓     | 8004202 | 18   | Tetracycline (L-Met) | Cattle <sup>beef</sup> <sup>Freeborn</sup> |        | Blood   | IV     | 20    | 12.4      | 533   | —     | —      | —         | —        |
| 5   | ✓     | 9013931 | 3    | Tetracycline (Hydro) | Cattle <sup>beef</sup> <sup>Holstein</sup> | 10-Mar | Plasma  | IV     | 10    | 7.54      | 350   | 1.58  | —      | 2.684     | 62.11    |
| 6   | ✓     | 9008300 | 1    | tetracycline         | Cattle <sup>beef</sup> <sup>Tulare</sup>   |        | Serum   | IV     | 20    | 5.73      | 575   | 1.36  | —      | —         | —        |
| 7   | ✓     | 8005260 | 1    | tetracycline         | Chickens                                   | 40dy   | Plasma  | IV     | 65    | 2.76      | 1.75  | —     | 0.174  | 1.63      | 796.38   |
| 8   | ✓     | 9010798 | 2    | tetracycline         | Chickens                                   | 0.1095 | Plasma  | IV     | 65    | —         | 2.5   | —     | —      | —         | 712.55   |
| 9   | ✗     | 9015508 | 3    | tetracycline         | Dogs <sup>beagle</sup>                     |        | Blood   | IV     | 10    | —         | —     | —     | —      | —         | —        |
| 10  | ✗     | 9015508 | 5    | tetracycline         | Dogs                                       |        | Blood   | IV     | 10    | —         | —     | —     | —      | —         | —        |
| 11  | ✓     | 8004124 | 1    | tetracycline         | Dogs                                       |        | Serum   | IV     | 10    | —         | 9.5   | —     | —      | —         | —        |
| 12  | ✓     | 8004124 | 2    | tetracycline         | Dogs                                       |        | Serum   | IV     | 5     | —         | 9.5   | —     | —      | —         | —        |
| 13  | ✓     | 8004124 | 3    | tetracycline         | Dogs                                       |        | Serum   | IV     | 1.45  | —         | 9.5   | —     | —      | —         | —        |
| 14  | ✓     | 9015508 | 4    | tetracycline         | Dogs                                       |        | Serum   | IV     | 10    | —         | —     | —     | —      | —         | —        |
| 15  | ✓     | 8004123 | 1    | tetracycline         | Humans                                     |        | Plasma  | IV     | 500   | 8.2       | 82    | —     | 1.33   | —         | —        |
| 16  | ✗     | 8004116 | 5    | tetracycline         | Mice                                       |        | Blood   | IV     | 50    | 0.89      | —     | —     | —      | —         | —        |
| 17  | ✓     | 8004117 | 7    | tetracycline         | Mice                                       |        | Blood   | IV     | 50    | 1.64      | —     | —     | —      | —         | —        |
| 18  | ✓     | 8004116 | 7    | tetracycline         | Mice                                       |        | Serum   | IV     | 50    | 0.74      | 0.025 | —     | —      | —         | —        |
| 19  | ✓     | 8004117 | 4    | tetracycline         | Mice                                       |        | Serum   | IV     | 50    | 1.93      | 0.025 | 2.074 | 2.896  | 17.306    | 0.125    |
| 20  | ✓     | 9012506 | 1    | tetracycline         | Rabbits                                    |        | Blood   | IV     | 0     | —         | 2.7   | —     | —      | —         | —        |
| 21  | ✓     | 9001491 | 6    | tetracycline         | Rabbits                                    |        | Serum   | IV     | 25    | 3         | 2.1   | —     | —      | —         | —        |
| 22  | ✗     | 9015508 | 11   | tetracycline         | Rats                                       |        | Blood   | IV     | 15    | —         | —     | —     | —      | —         | —        |
| 23  | ✓     | 9015508 | 12   | tetracycline         | Rats                                       |        | Plasma  | IV     | 15    | —         | —     | —     | —      | —         | —        |
| 24  | ✓     | 9012839 | 13   | tetracycline         | Shark, Dogfish (Squa)                      |        | Plasma  | IV     | 10    | 22        | —     | —     | —      | —         | —        |
| 25  | ✓     | 8004202 | 15   | tetracycline         | Sheep <sup>Amis</sup>                      |        | Blood   | IV     | 20    | 12.8      | 57    | —     | —      | —         | —        |
| 26  | ✓     | 8004202 | 17   | Tetracycline (L-Met) | Sheep                                      |        | Blood   | IV     | 20    | 12.4      | 57    | —     | —      | —         | —        |
| 27  | ✓     | 9008300 | 2    | tetracycline         | Sheep                                      |        | Blood   | IV     | 20    | 5.73      | —     | —     | —      | —         | —        |
| 28  | ✓     | 9000385 | 5    | tetracycline         | Sheep                                      |        | Serum   | IV     | 20    | 4.6       | 59    | —     | —      | —         | —        |
| 29  | ✓     | 8005099 | 4    | tetracycline         | Swine                                      |        | Plasma  | IV     | 9.6   | 4.95      | 2.2   | 1.59  | —      | 3.864     | 44.2     |
| 30  | ✓     | 9008271 | 16   | tetracycline         | Swine                                      |        | Plasma  | IV     | 9.6   | 2         | —     | 1.2   | —      | —         | 4.5      |
| 31  | ✗     | 9008293 | 9    | tetracycline         | Swine                                      |        | Plasma  | IV     | —     | —         | —     | —     | —      | —         | —        |
| 32  | ✓     | 9015764 | 1    | tetracycline         | Turkeys                                    |        | Serum   | IV     | 25    | 2.4       | 35    | —     | —      | —         | —        |

Distribution at steady state  
 Operative apparent volume  
 Vd over the elimination phase  
 Central compartment

33. 9015508 24 tetracycline cattle 22 573 32 60.15  
 34. 9015508 25 tetracycline swine (light) 570 1-42

12

female:  
 dairy cows: Jersey, Holstein  
 Beef cows: Angus, Hereford.

$$HL = \alpha W^{\beta}$$

$$\frac{12-19}{}$$

$$\log HL = \log \alpha + \beta \log W$$

$$y = 0.2534X + 0.4148$$

$$R^2 = 0.93.$$

$$\beta = 0.2534$$

$$\log \alpha = 0.4148$$

$$\alpha = \frac{2.5989}{}$$

$$\frac{6801.79}{}$$

$$\frac{10000 \cdot 19 \cdot 18888.6}{609.29429}$$

$$10000 \cdot 19 \cdot 18888.6$$

$$\frac{\Delta \text{MVC}}{\Delta \text{MRT}} = \text{MRT}$$

$$\Delta \text{VC} = \frac{\Delta \text{MVC}}{\text{MRT}}$$

1-43

| Status: | CitNum: | ActiveIngredient: | Species: | Matrix: | RouteCode: | Dose: | AZHL: | K10HL: | ElimHL: | AntiqueHL: | Weight |
|---------|---------|-------------------|----------|---------|------------|-------|-------|--------|---------|------------|--------|
|         | 9005076 | tetracycline      | Catfish  | Plasma  | IV         | 4     |       |        |         | 16.1       | 0.76   |
|         | 8004113 | tetracycline      | Cattle   | Blood   | IV         | 66.5  |       |        |         | 18.7       | 212.5  |
|         | 8004202 | tetracycline      | Cattle   | Blood   | IV         | 20    |       |        |         | 12.8       | 535    |
|         | 8004202 | Methyl Lysine)    | Cattle   | Blood   | IV         | 20    |       |        |         | 12.4       | 533    |
|         | 9013931 | (Hydrochlorid     | Cattle   | Plasma  | IV         | 10    |       |        |         | 7.54       | 350    |
|         | 9008300 | tetracycline      | Cattle   | Serum   | IV         | 20    |       |        |         | 5.73       |        |
|         | 8005260 | tetracycline      | s        | Plasma  | IV         | 65    |       |        |         | 2.76       | 1.5-2  |
|         | 9010798 | tetracycline      | s        | Plasma  | IV         | 65    |       |        |         |            | 2.5    |
|         | 9015508 | tetracycline      | Dogs     | Blood   | IV         | 10    |       |        |         |            |        |
|         | 9015508 | tetracycline      | Dogs     | Blood   | IV         | 10    |       |        |         |            |        |
|         | 8004124 | tetracycline      | Dogs     | Serum   | IV         | 10    |       |        |         |            |        |
|         | 8004124 | tetracycline      | Dogs     | Serum   | IV         | 5     |       |        |         |            |        |
|         | 8004124 | tetracycline      | Dogs     | Serum   | IV         | 1.45  |       |        |         |            |        |
|         | 9015508 | tetracycline      | Dogs     | Serum   | IV         | 10    |       |        |         |            |        |
|         | 8004123 | tetracycline      | Humans   | Plasma  | IV         | 500   |       |        |         | 8.2        | 70     |
|         | 8004116 | tetracycline      | Mice     | Blood   | IV         | 50    |       |        |         | 0.89       | 0.025  |
|         | 8004117 | tetracycline      | Mice     | Blood   | IV         | 50    |       |        |         | 1.64       | 0.025  |
|         | 8004116 | tetracycline      | Mice     | Serum   | IV         | 50    |       |        |         | 0.74       | 0.025  |
|         | 8004117 | tetracycline      | Mice     | Serum   | IV         | 50    |       |        |         | 1.93       | 0.025  |
|         | 9012506 | tetracycline      | Rabbits  | Blood   | IV         | 0     |       |        |         |            | 1.7    |
|         | 9001491 | tetracycline      | Rabbits  | Serum   | IV         | 25    |       |        |         | 3          |        |
|         | 9015508 | tetracycline      | Rats     | Blood   | IV         | 15    |       |        |         |            |        |
|         | 9015508 | tetracycline      | Rats     | Plasma  | IV         | 15    |       |        |         |            |        |
|         | 9012839 | tetracycline      | Shark    | Plasma  | IV         | 10    |       |        |         | 22         |        |
|         | 8004202 | tetracycline      | Sheep    | Blood   | IV         | 20    |       |        |         | 12.8       | 57     |

1.5 + 2  
2

22

1-44

|  |         |                |         |        |    |     |  |  |  |      |    |
|--|---------|----------------|---------|--------|----|-----|--|--|--|------|----|
|  | 8004202 | Methyl Lysine) | Sheep   | Blood  | IV | 20  |  |  |  | 12.4 | 57 |
|  | 9008300 | tetracycline   | Sheep   | Blood  | IV | 20  |  |  |  | 5.73 |    |
|  | 9000385 | tetracycline   | Sheep   | Serum  | IV | 20  |  |  |  | 4.6  | 59 |
|  | 8005099 | tetracycline   | Swine   | Plasma | IV | 9.6 |  |  |  | 4.95 | 22 |
|  | 9008271 | tetracycline   | Swine   | Plasma | IV | 9.6 |  |  |  | 2    |    |
|  | 9008293 | tetracycline   | Swine   | Plasma | IV |     |  |  |  |      |    |
|  | 9015764 | tetracycline   | Turkeys | Serum  | IV | 25  |  |  |  |      |    |