

Experiment Number: 05197-04

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/26/2014

Time Report Requested: 01:26:48

First Dose M/F: NA / NA

Lab: NA

C Number: C62077B

Cage Range: All

Date Range: All

Reasons For Removal: All

Removal Date Range: All

Treatment Groups: All

Study Gender: Both

Experiment Number: 05197-04

Species/Strain: Rat/Fischer 344

P42: Clinical Chemistry Data

Date Report Requested: 10/26/2014

Time Report Requested: 01:26:48

First Dose M/F: NA / NA

Lab: NA

MALE

| Animal No. | Dose | Time In Study | Albumin g per dL | ALP IU per L | ALT IU per L | Bile Acids Per G Tissue umol per g |
|------------|----------|---------------|------------------|--------------|--------------|------------------------------------|
| 0121_04 | 0 ppm | Week : 13 | 3.8 | 218 | 50 | 12 |
| 0122_04 | 0 ppm | Week : 13 | 3.8 | 238 | 61 | 21 |
| 0123_04 | 0 ppm | Week : 13 | 3.8 | 195 | 52 | 19 |
| 0124_04 | 0 ppm | Week : 13 | 3.4 | 197 | 43 | 13 |
| 0125_04 | 0 ppm | Week : 13 | 3.5 | 209 | 56 | 23 |
| 0126_04 | 0 ppm | Week : 13 | 3.3 | 187 | 57 | 25 |
| 0127_04 | 0 ppm | Week : 13 | 4.1 | 213 | 56 | 6 |
| 0128_04 | 0 ppm | Week : 13 | 3.5 | 205 | 54 | 10 |
| 0129_04 | 0 ppm | Week : 13 | 3.3 | 220 | 54 | 17 |
| 0130_04 | 0 ppm | Week : 13 | 3.6 | 221 | 66 | 11 |
| 0131_04 | 4500 ppm | Week : 13 | 3.6 | 204 | 64 | 29 |
| 0132_04 | 4500 ppm | Week : 13 | 3.8 | 221 | 59 | 30 |
| 0133_04 | 4500 ppm | Week : 13 | 3.8 | 190 | 51 | 34 |
| 0134_04 | 4500 ppm | Week : 13 | 3.6 | 214 | 58 | 16 |
| 0135_04 | 4500 ppm | Week : 13 | 3.3 | 208 | 49 | 15 |
| 0136_04 | 4500 ppm | Week : 13 | 3.6 | 223 | 52 | 19 |
| 0137_04 | 4500 ppm | Week : 13 | 3.7 | 196 | 50 | 17 |
| 0138_04 | 4500 ppm | Week : 13 | 3.4 | 202 | 54 | 13 |
| 0139_04 | 4500 ppm | Week : 13 | 3.5 | 186 | 49 | 22 |
| 0140_04 | 4500 ppm | Week : 13 | 3.4 | 195 | 49 | 11 |
| 0141_04 | 6000 ppm | Week : 13 | 3.8 | 206 | 53 | 18 |
| 0142_04 | 6000 ppm | Week : 13 | 4.1 | 204 | 122 | 38 |

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Lab: NA

MALE

| Animal No. | Dose | Time In Study | Albumin g per dL | ALP IU per L | ALT IU per L | Bile Acids Per G Tissue umol per g |
|------------|----------|---------------|------------------|--------------|--------------|------------------------------------|
| 0143_04 | 6000 ppm | Week : 13 | 4.1 | 202 | 83 | 18 |
| 0144_04 | 6000 ppm | Week : 13 | 3.8 | 217 | 60 | 11 |
| 0145_04 | 6000 ppm | Week : 13 | 3.3 | 215 | 47 | 26 |
| 0146_04 | 6000 ppm | Week : 13 | 3.5 | 187 | 50 | 19 |
| 0147_04 | 6000 ppm | Week : 13 | 3.5 | 174 | 56 | 33 |
| 0148_04 | 6000 ppm | Week : 13 | 3.7 | 191 | 60 | 39 |
| 0149_04 | 6000 ppm | Week : 13 | 3.7 | 206 | 54 | 26 |
| 0150_04 | 6000 ppm | Week : 13 | 3.5 | 187 | 58 | 27 |

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First Dose M/F: NA / NA

Lab: NA

MALE

| Animal No. | Dose | Time In Study | BUN mg per dL | Creatine Kinase IU per L | Creatinine U per L | Protein Total g per dL |
|------------|----------|---------------|------------------|-----------------------------|-----------------------|---------------------------|
| 0121_04 | 0 ppm | Week : 13 | 20 | 229 | 0.6 | 6.8 |
| 0122_04 | 0 ppm | Week : 13 | 15 | 381 | 0.8 | 7.2 |
| 0123_04 | 0 ppm | Week : 13 | 16 | 264 | 0.7 | 6.9 |
| 0124_04 | 0 ppm | Week : 13 | 17 | 624 | 0.7 | 6.9 |
| 0125_04 | 0 ppm | Week : 13 | 20 | 496 | 0.8 | 6.3 |
| 0126_04 | 0 ppm | Week : 13 | 18 | 218 | 0.8 | 6.7 |
| 0127_04 | 0 ppm | Week : 13 | 15 | 229 | 0.6 | 6.8 |
| 0128_04 | 0 ppm | Week : 13 | 17 | 168 | 0.7 | 6.8 |
| 0129_04 | 0 ppm | Week : 13 | 16 | 543 | 0.7 | 6.8 |
| 0130_04 | 0 ppm | Week : 13 | 17 | 560 | 0.6 | 6.8 |
| 0131_04 | 4500 ppm | Week : 13 | 19 | 294 | 0.8 | 6.4 |
| 0132_04 | 4500 ppm | Week : 13 | 20 | 301 | 0.8 | 6.7 |
| 0133_04 | 4500 ppm | Week : 13 | 19 | 550 | 0.7 | 6.5 |
| 0134_04 | 4500 ppm | Week : 13 | 17 | 380 | 0.8 | 6.2 |
| 0135_04 | 4500 ppm | Week : 13 | 19 | 394 | 0.7 | 6.1 |
| 0136_04 | 4500 ppm | Week : 13 | 18 | 363 | 0.5 | 6.4 |
| 0137_04 | 4500 ppm | Week : 13 | 19 | 286 | 0.6 | 6.7 |
| 0138_04 | 4500 ppm | Week : 13 | 17 | 202 | 0.6 | 6.4 |
| 0139_04 | 4500 ppm | Week : 13 | 19 | 343 | 0.6 | 6.5 |
| 0140_04 | 4500 ppm | Week : 13 | 18 | 157 | 0.7 | 6.5 |
| 0141_04 | 6000 ppm | Week : 13 | 19 | 197 | 0.8 | 6.7 |
| 0142_04 | 6000 ppm | Week : 13 | 19 | 253 | 0.8 | 6.6 |

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Time Report Requested: 01:26:48

First Dose M/F: NA / NA

Lab: NA

MALE

| Animal No. | Dose | Time In Study | BUN mg per dL | Creatine Kinase IU per L | Creatinine U per L | Protein Total g per dL |
|------------|----------|---------------|------------------|-----------------------------|-----------------------|---------------------------|
| 0143_04 | 6000 ppm | Week : 13 | 21 | 292 | 0.8 | 6.5 |
| 0144_04 | 6000 ppm | Week : 13 | 19 | 268 | 0.8 | 6.1 |
| 0145_04 | 6000 ppm | Week : 13 | 15 | 244 | 0.7 | 5.7 |
| 0146_04 | 6000 ppm | Week : 13 | 20 | 901 | 0.7 | 6.5 |
| 0147_04 | 6000 ppm | Week : 13 | 19 | 169 | 0.7 | 6.5 |
| 0148_04 | 6000 ppm | Week : 13 | 17 | 145 | 0.7 | 6.8 |
| 0149_04 | 6000 ppm | Week : 13 | 20 | 292 | 0.6 | 6.4 |
| 0150_04 | 6000 ppm | Week : 13 | 21 | 175 | 0.7 | 6.6 |

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Time Report Requested: 01:26:48

First Dose M/F: NA / NA

Lab: NA

MALE

| Animal No. | Dose | Time In Study | SDH IU per L |
|------------|----------|---------------|--------------|
| 0121_04 | 0 ppm | Week : 13 | 5 |
| 0122_04 | 0 ppm | Week : 13 | 5 |
| 0123_04 | 0 ppm | Week : 13 | 5 |
| 0124_04 | 0 ppm | Week : 13 | 6 |
| 0125_04 | 0 ppm | Week : 13 | 8 |
| 0126_04 | 0 ppm | Week : 13 | 7 |
| 0127_04 | 0 ppm | Week : 13 | 6 |
| 0128_04 | 0 ppm | Week : 13 | 6 |
| 0129_04 | 0 ppm | Week : 13 | 6 |
| 0130_04 | 0 ppm | Week : 13 | 7 |
| 0131_04 | 4500 ppm | Week : 13 | 8 |
| 0132_04 | 4500 ppm | Week : 13 | 7 |
| 0133_04 | 4500 ppm | Week : 13 | 7 |
| 0134_04 | 4500 ppm | Week : 13 | 7 |
| 0135_04 | 4500 ppm | Week : 13 | 6 |
| 0136_04 | 4500 ppm | Week : 13 | 7 |
| 0137_04 | 4500 ppm | Week : 13 | 6 |
| 0138_04 | 4500 ppm | Week : 13 | 6 |
| 0139_04 | 4500 ppm | Week : 13 | 6 |
| 0140_04 | 4500 ppm | Week : 13 | 6 |
| 0141_04 | 6000 ppm | Week : 13 | 8 |
| 0142_04 | 6000 ppm | Week : 13 | 75 |

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P42: Clinical Chemistry Data

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First Dose M/F: NA / NA

Lab: NA

MALE

| Animal No. | Dose | Time In Study | SDH IU per L |
|------------|----------|---------------|--------------|
| 0143_04 | 6000 ppm | Week : 13 | 12 |
| 0144_04 | 6000 ppm | Week : 13 | 10 |
| 0145_04 | 6000 ppm | Week : 13 | 6 |
| 0146_04 | 6000 ppm | Week : 13 | 7 |
| 0147_04 | 6000 ppm | Week : 13 | 8 |
| 0148_04 | 6000 ppm | Week : 13 | 7 |
| 0149_04 | 6000 ppm | Week : 13 | 7 |
| 0150_04 | 6000 ppm | Week : 13 | 7 |

FEMALE

| Animal No. | Dose | Time In Study | Albumin g per dL | ALP IU per L | ALT IU per L | Bile Acids Per G Tissue umol per g |
|------------|----------|---------------|------------------|--------------|--------------|------------------------------------|
| 0151_04 | 0 ppm | Week : 13 | 4 | 134 | 49 | 22 |
| 0152_04 | 0 ppm | Week : 13 | 4 | 148 | 65 | 42 |
| 0153_04 | 0 ppm | Week : 13 | 4.3 | 107 | 53 | 44 |
| 0154_04 | 0 ppm | Week : 13 | 4.3 | 134 | 45 | 37 |
| 0155_04 | 0 ppm | Week : 13 | 4.4 | 124 | 61 | 65 |
| 0156_04 | 0 ppm | Week : 13 | 4.2 | 126 | 40 | 23 |
| 0157_04 | 0 ppm | Week : 13 | 4.7 | 143 | 49 | 19 |
| 0158_04 | 0 ppm | Week : 13 | 4.1 | 139 | 46 | 24 |
| 0159_04 | 0 ppm | Week : 13 | 3.7 | 161 | 51 | 40 |
| 0160_04 | 0 ppm | Week : 13 | 4.3 | 164 | 61 | 44 |
| 0161_04 | 4500 ppm | Week : 13 | 3.5 | 185 | 48 | 24 |
| 0162_04 | 4500 ppm | Week : 13 | 3.5 | 200 | 52 | 95 |
| 0163_04 | 4500 ppm | Week : 13 | 3.5 | 204 | 47 | 11 |
| 0164_04 | 4500 ppm | Week : 13 | 4.1 | 185 | 49 | 13 |
| 0165_04 | 4500 ppm | Week : 13 | 3.7 | 180 | 46 | 32 |
| 0166_04 | 4500 ppm | Week : 13 | 3.4 | 191 | 48 | 14 |
| 0167_04 | 4500 ppm | Week : 13 | 3.6 | 208 | 40 | 44 |
| 0168_04 | 4500 ppm | Week : 13 | 3.5 | 185 | 46 | 28 |
| 0169_04 | 4500 ppm | Week : 13 | 3.5 | 144 | 38 | 18 |
| 0170_04 | 4500 ppm | Week : 13 | 3.4 | 216 | 37 | 43 |
| 0171_04 | 6000 ppm | Week : 13 | 3.9 | 245 | 51 | 23 |
| 0172_04 | 6000 ppm | Week : 13 | 3.5 | 232 | 56 | 25 |

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Lab: NA

FEMALE

| Animal No. | Dose | Time In Study | Albumin g per dL | ALP IU per L | ALT IU per L | Bile Acids Per G Tissue umol per g |
|------------|----------|---------------|------------------|--------------|--------------|------------------------------------|
| 0173_04 | 6000 ppm | Week : 13 | 3.8 | 201 | 54 | 19 |
| 0174_04 | 6000 ppm | Week : 13 | 3.5 | 227 | 50 | 50 |
| 0175_04 | 6000 ppm | Week : 13 | 3.8 | 195 | 47 | 43 |
| 0176_04 | 6000 ppm | Week : 13 | 3.3 | 294 | 56 | 49 |
| 0177_04 | 6000 ppm | Week : 13 | 3.4 | 243 | 47 | 23 |
| 0178_04 | 6000 ppm | Week : 13 | 3.5 | 251 | 48 | 33 |
| 0179_04 | 6000 ppm | Week : 13 | 3.6 | 271 | 56 | 70 |
| 0180_04 | 6000 ppm | Week : 13 | 3.3 | 212 | 46 | 20 |

FEMALE

| Animal No. | Dose | Time In Study | BUN mg per dL | Creatine Kinase IU per L | Creatinine U per L | Protein Total g per dL |
|------------|----------|---------------|------------------|-----------------------------|-----------------------|---------------------------|
| 0151_04 | 0 ppm | Week : 13 | 17 | 492 | 0.6 | 6.7 |
| 0152_04 | 0 ppm | Week : 13 | 18 | 491 | 0.7 | 7 |
| 0153_04 | 0 ppm | Week : 13 | 16 | 463 | 0.7 | 7.4 |
| 0154_04 | 0 ppm | Week : 13 | 17 | 455 | 0.6 | 7.6 |
| 0155_04 | 0 ppm | Week : 13 | 16 | 241 | 0.7 | 7.7 |
| 0156_04 | 0 ppm | Week : 13 | 12 | 269 | 0.6 | 7.3 |
| 0157_04 | 0 ppm | Week : 13 | 13 | 166 | 0.6 | 7.6 |
| 0158_04 | 0 ppm | Week : 13 | 16 | 149 | 0.6 | 7 |
| 0159_04 | 0 ppm | Week : 13 | 14 | 253 | 0.6 | 6.3 |
| 0160_04 | 0 ppm | Week : 13 | 17 | 241 | 0.6 | 7 |
| 0161_04 | 4500 ppm | Week : 13 | 26 | 681 | 0.7 | 6.1 |
| 0162_04 | 4500 ppm | Week : 13 | 29 | 840 | 0.7 | 6 |
| 0163_04 | 4500 ppm | Week : 13 | 23 | 537 | 0.7 | 6 |
| 0164_04 | 4500 ppm | Week : 13 | 29 | 304 | 0.7 | 6.5 |
| 0165_04 | 4500 ppm | Week : 13 | 24 | 529 | 0.7 | 6.5 |
| 0166_04 | 4500 ppm | Week : 13 | 18 | 544 | 0.6 | 6 |
| 0167_04 | 4500 ppm | Week : 13 | 25 | 213 | 0.6 | 5.9 |
| 0168_04 | 4500 ppm | Week : 13 | 24 | 468 | 0.6 | 6.1 |
| 0169_04 | 4500 ppm | Week : 13 | 22 | 356 | 0.5 | 5.8 |
| 0170_04 | 4500 ppm | Week : 13 | 28 | 311 | 0.7 | 5.6 |
| 0171_04 | 6000 ppm | Week : 13 | 28 | 570 | 0.7 | 6.3 |
| 0172_04 | 6000 ppm | Week : 13 | 26 | 619 | 0.6 | 6 |

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Lab: NA

FEMALE

| Animal No. | Dose | Time In Study | BUN mg per dL | Creatine Kinase IU per L | Creatinine U per L | Protein Total g per dL |
|------------|----------|---------------|------------------|-----------------------------|-----------------------|---------------------------|
| 0173_04 | 6000 ppm | Week : 13 | 29 | 538 | 0.7 | 6 |
| 0174_04 | 6000 ppm | Week : 13 | 26 | 549 | 0.7 | 5.8 |
| 0175_04 | 6000 ppm | Week : 13 | 23 | 775 | 0.6 | 6.2 |
| 0176_04 | 6000 ppm | Week : 13 | 22 | 398 | 0.6 | 5.6 |
| 0177_04 | 6000 ppm | Week : 13 | 22 | 240 | 0.4 | 5.6 |
| 0178_04 | 6000 ppm | Week : 13 | 29 | 495 | 0.7 | 6.2 |
| 0179_04 | 6000 ppm | Week : 13 | 24 | 358 | 0.7 | 5.8 |
| 0180_04 | 6000 ppm | Week : 13 | 10 | 425 | 0.5 | 5.5 |

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First Dose M/F: NA / NA

Lab: NA

FEMALE

| Animal No. | Dose | Time In Study | SDH IU per L |
|------------|----------|---------------|--------------|
| 0151_04 | 0 ppm | Week : 13 | 6 |
| 0152_04 | 0 ppm | Week : 13 | 6 |
| 0153_04 | 0 ppm | Week : 13 | 5 |
| 0154_04 | 0 ppm | Week : 13 | 6 |
| 0155_04 | 0 ppm | Week : 13 | 5 |
| 0156_04 | 0 ppm | Week : 13 | 6 |
| 0157_04 | 0 ppm | Week : 13 | 6 |
| 0158_04 | 0 ppm | Week : 13 | 6 |
| 0159_04 | 0 ppm | Week : 13 | 6 |
| 0160_04 | 0 ppm | Week : 13 | 9 |
| 0161_04 | 4500 ppm | Week : 13 | 7 |
| 0162_04 | 4500 ppm | Week : 13 | 5 |
| 0163_04 | 4500 ppm | Week : 13 | 4 |
| 0164_04 | 4500 ppm | Week : 13 | 4 |
| 0165_04 | 4500 ppm | Week : 13 | 4 |
| 0166_04 | 4500 ppm | Week : 13 | 5 |
| 0167_04 | 4500 ppm | Week : 13 | 4 |
| 0168_04 | 4500 ppm | Week : 13 | 7 |
| 0169_04 | 4500 ppm | Week : 13 | 6 |
| 0170_04 | 4500 ppm | Week : 13 | 6 |
| 0171_04 | 6000 ppm | Week : 13 | 5 |
| 0172_04 | 6000 ppm | Week : 13 | 4 |

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First Dose M/F: NA / NA

Lab: NA

FEMALE

| Animal No. | Dose | Time In Study | SDH IU per L |
|------------|----------|---------------|--------------|
| 0173_04 | 6000 ppm | Week : 13 | 4 |
| 0174_04 | 6000 ppm | Week : 13 | 5 |
| 0175_04 | 6000 ppm | Week : 13 | 5 |
| 0176_04 | 6000 ppm | Week : 13 | 5 |
| 0177_04 | 6000 ppm | Week : 13 | 5 |
| 0178_04 | 6000 ppm | Week : 13 | 5 |
| 0179_04 | 6000 ppm | Week : 13 | 5 |
| 0180_04 | 6000 ppm | Week : 13 | 5 |

** END OF REPORT **