

Experiment Number: 93027-21
Species/Strain: Rat/Sprague-Dawley

P42: Clinical Chemistry Data

Date Report Requested: 10/26/2014
Time Report Requested: 07:32:00
First Dose M/F: NA / NA
Lab: NA

| | |
|-----------------------------|---------|
| C Number: | C93027B |
| Cage Range: | All |
| Date Range: | All |
| Reasons For Removal: | All |
| Removal Date Range: | All |
| Treatment Groups: | All |
| Study Gender: | Male |

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Lab: NA

MALE

| Animal No. | Dose | Time In Study | ALP IU per L | ALT IU per L | Bile Acids Per G Tissue umol per g | Cholesterol mg per dL |
|------------|---------|---------------|--------------|--------------|------------------------------------|-----------------------|
| 0701_21 | 0 ppm | Week : 13 | 459 | 58 | 72 | 136 |
| 0702_21 | 0 ppm | Week : 13 | 484 | 73 | 71 | 103 |
| 0703_21 | 0 ppm | Week : 13 | 601 | 117 | 79 | 124 |
| 0704_21 | 0 ppm | Week : 13 | 543 | 80 | 30 | 102 |
| 0705_21 | 0 ppm | Week : 13 | 401 | 61 | 100 | 119 |
| 0706_21 | 0 ppm | Week : 13 | 437 | 61 | 41 | 123 |
| 0707_21 | 0 ppm | Week : 13 | 460 | 66 | 62 | 112 |
| 0708_21 | 0 ppm | Week : 13 | 506 | 76 | 20 | 120 |
| 0709_21 | 0 ppm | Week : 13 | 434 | 91 | 52 | 139 |
| 0710_21 | 0 ppm | Week : 13 | 534 | 64 | 26 | 117 |
| 0711_21 | 10 ppm | Week : 13 | 479 | 69 | 30 | 106 |
| 0712_21 | 10 ppm | Week : 13 | 521 | 70 | 35 | 113 |
| 0713_21 | 10 ppm | Week : 13 | 446 | 63 | 38 | 124 |
| 0714_21 | 10 ppm | Week : 13 | 362 | 62 | 28 | 121 |
| 0715_21 | 10 ppm | Week : 13 | 430 | 95 | 48 | 131 |
| 0716_21 | 10 ppm | Week : 13 | 456 | 67 | 40 | 99 |
| 0717_21 | 10 ppm | Week : 13 | 461 | 66 | 29 | 145 |
| 0718_21 | 10 ppm | Week : 13 | 466 | 60 | 37 | 125 |
| 0719_21 | 10 ppm | Week : 13 | 459 | 80 | 41 | 124 |
| 0720_21 | 10 ppm | Week : 13 | 436 | 76 | 58 | 132 |
| 0721_21 | 100 ppm | Week : 13 | 577 | 99 | 55 | 200 |
| 0722_21 | 100 ppm | Week : 13 | 317 | 59 | 88 | 215 |

MALE

| Animal No. | Dose | Time In Study | ALP IU per L | ALT IU per L | Bile Acids Per G Tissue umol per g | Cholesterol mg per dL |
|------------|----------|---------------|-----------------|-----------------|--|--------------------------|
| 0723_21 | 100 ppm | Week : 13 | 386 | 70 | 21 | 260 |
| 0724_21 | 100 ppm | Week : 13 | 629 | 64 | 51 | 193 |
| 0725_21 | 100 ppm | Week : 13 | 349 | 50 | 17 | 186 |
| 0726_21 | 100 ppm | Week : 13 | 693 | 89 | 45 | 201 |
| 0727_21 | 100 ppm | Week : 13 | 659 | 95 | 50 | 159 |
| 0728_21 | 100 ppm | Week : 13 | 709 | 69 | 51 | 170 |
| 0729_21 | 100 ppm | Week : 13 | 633 | 58 | 56 | 163 |
| 0730_21 | 100 ppm | Week : 13 | 644 | 89 | 115 | 204 |
| 0731_21 | 1000 ppm | Week : 13 | 620 | 160 | 96 | 198 |
| 0732_21 | 1000 ppm | Week : 13 | 709 | 108 | 93 | 166 |
| 0733_21 | 1000 ppm | Week : 13 | 748 | 115 | 133 | 154 |
| 0734_21 | 1000 ppm | Week : 13 | 908 | 100 | 125 | 117 |
| 0735_21 | 1000 ppm | Week : 13 | 595 | 78 | 33 | 202 |
| 0736_21 | 1000 ppm | Week : 13 | 715 | 85 | 56 | 168 |
| 0737_21 | 1000 ppm | Week : 13 | 888 | 101 | 53 | 182 |
| 0738_21 | 1000 ppm | Week : 13 | 1173 | 78 | 90 | 185 |
| 0739_21 | 1000 ppm | Week : 13 | 771 | 75 | 67 | 181 |
| 0740_21 | 1000 ppm | Week : 13 | 756 | 114 | 53 | 169 |
| 0741_21 | 8000 ppm | Week : 13 | 659 | 219 | 98 | 229 |
| 0742_21 | 8000 ppm | Week : 13 | 709 | 455 | 130 | 215 |
| 0743_21 | 8000 ppm | Week : 13 | 600 | 142 | 135 | 223 |
| 0744_21 | 8000 ppm | Week : 13 | 825 | 74 | 41 | 210 |

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MALE

| Animal No. | Dose | Time In Study | ALP IU per L | ALT IU per L | Bile Acids Per G Tissue umol per g | Cholesterol mg per dL |
|------------|-----------|---------------|-----------------|-----------------|--|--------------------------|
| 0744_21 | 8000 ppm | Week : 13 | 825 | 74 | 41 | 210 |
| 0745_21 | 8000 ppm | Week : 13 | 660 | 134 | 93 | 215 |
| 0746_21 | 8000 ppm | Week : 13 | 556 | 439 | 151 | 199 |
| 0747_21 | 8000 ppm | Week : 13 | 828 | 283 | 267 | 221 |
| 0748_21 | 8000 ppm | Week : 13 | 786 | 102 | 179 | 176 |
| 0749_21 | 8000 ppm | Week : 13 | 716 | 170 | 83 | 219 |
| 0750_21 | 8000 ppm | Week : 13 | 630 | 171 | 157 | 210 |
| 0751_21 | 16000 ppm | Week : 13 | 1083 | 143 | 158 | 251 |
| 0752_21 | 16000 ppm | Week : 13 | 1303 | 168 | 302 | 217 |
| 0753_21 | 16000 ppm | Week : 13 | 1000 | 269 | 260 | 227 |
| 0754_21 | 16000 ppm | Week : 13 | 1279 | 145 | 180 | 205 |
| 0755_21 | 16000 ppm | Week : 13 | 1023 | 122 | 227 | 216 |
| 0756_21 | 16000 ppm | Week : 13 | 964 | 225 | 158 | 242 |
| 0757_21 | 16000 ppm | Week : 13 | 838 | 251 | 165 | 249 |
| 0758_21 | 16000 ppm | Week : 13 | 1113 | 151 | 219 | 233 |
| 0759_21 | 16000 ppm | Week : 13 | 1276 | 154 | 303 | 229 |
| 0760_21 | 16000 ppm | Week : 13 | 1245 | 154 | 262 | 242 |

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Lab: NA

MALE

| Animal No. | Dose | Time In Study | Estradiol pg per mL | Follicle Stimulating Hormone ng per mL | Luteinizing Hormone ng per mL | SDH IU per L |
|------------|---------|---------------|---------------------|--|-------------------------------|--------------|
| 0701_21 | 0 ppm | Week : 13 | 86.7 | 5.89 | 0.32 | 20 |
| 0702_21 | 0 ppm | Week : 13 | 92.49 | 5.38 | 0.24 | 24 |
| 0703_21 | 0 ppm | Week : 13 | 101.63 | 6.15 | 0.46 | 59 |
| 0704_21 | 0 ppm | Week : 13 | 100.12 | 5.44 | 0.37 | 30 |
| 0705_21 | 0 ppm | Week : 13 | 92.19 | 6 | 0.41 | 23 |
| 0706_21 | 0 ppm | Week : 13 | 92.03 | 4.83 | 0.28 | 21 |
| 0707_21 | 0 ppm | Week : 13 | 90.27 | 7.6 | 0.92 | 29 |
| 0708_21 | 0 ppm | Week : 13 | 96.57 | 5.66 | 0.26 | 25 |
| 0709_21 | 0 ppm | Week : 13 | 108.74 | 7.44 | 0.29 | 43 |
| 0710_21 | 0 ppm | Week : 13 | 104.18 | 6.18 | 0.42 | 25 |
| 0711_21 | 10 ppm | Week : 13 | 89.41 | 5.03 | 0.16 | 26 |
| 0712_21 | 10 ppm | Week : 13 | 101.73 | 7.59 | 0.24 | 27 |
| 0713_21 | 10 ppm | Week : 13 | 81.77 | 5.18 | 0.31 | 22 |
| 0714_21 | 10 ppm | Week : 13 | 90.45 | 7.06 | 0.64 | 25 |
| 0715_21 | 10 ppm | Week : 13 | 91.43 | 6.9 | 0.12 | 43 |
| 0716_21 | 10 ppm | Week : 13 | 95.21 | 5.91 | 0.33 | 26 |
| 0717_21 | 10 ppm | Week : 13 | 98.42 | 7.08 | 0.57 | 31 |
| 0718_21 | 10 ppm | Week : 13 | 86.73 | 7.86 | 0.57 | 18 |
| 0719_21 | 10 ppm | Week : 13 | 93.17 | 4.71 | 0.39 | 46 |
| 0720_21 | 10 ppm | Week : 13 | 97.01 | 4.08 | 0.16 | 46 |
| 0721_21 | 100 ppm | Week : 13 | 126.86 | 4.97 | 0.16 | 60 |

MALE

| Animal No. | Dose | Time In Study | Estradiol pg per mL | Follicle Stimulating Hormone ng per mL | Luteinizing Hormone ng per mL | SDH IU per L |
|------------|----------|---------------|------------------------|---|-------------------------------------|-----------------|
| 0722_21 | 100 ppm | Week : 13 | 96.67 | 4.28 | 0.06 | 27 |
| 0723_21 | 100 ppm | Week : 13 | 125.94 | 7.07 | 0.72 | 35 |
| 0724_21 | 100 ppm | Week : 13 | 111 | 4.68 | 0.26 | 35 |
| 0725_21 | 100 ppm | Week : 13 | 90.34 | 4.5 | 0.15 | 21 |
| 0726_21 | 100 ppm | Week : 13 | 113.71 | 6.45 | 0.65 | 38 |
| 0727_21 | 100 ppm | Week : 13 | 110.13 | 6.02 | 0.43 | 48 |
| 0728_21 | 100 ppm | Week : 13 | 112.41 | 4.62 | 0.3 | 40 |
| 0729_21 | 100 ppm | Week : 13 | 103.46 | 5.71 | 0.56 | 30 |
| 0730_21 | 100 ppm | Week : 13 | 100.03 | 6.63 | 0.4 | 41 |
| 0731_21 | 1000 ppm | Week : 13 | 125.21 | 9.67 | 0.48 | 131 |
| 0732_21 | 1000 ppm | Week : 13 | 107.92 | 5.75 | 0.54 | 48 |
| 0733_21 | 1000 ppm | Week : 13 | 116.25 | 5.77 | 0.66 | 51 |
| 0734_21 | 1000 ppm | Week : 13 | 86.61 | 7.3 | 0.26 | 42 |
| 0735_21 | 1000 ppm | Week : 13 | 101.83 | 5.72 | 0.2 | 31 |
| 0736_21 | 1000 ppm | Week : 13 | 103.05 | 7.45 | 0.59 | 39 |
| 0737_21 | 1000 ppm | Week : 13 | 103.32 | 7.36 | 0.39 | 53 |
| 0738_21 | 1000 ppm | Week : 13 | 101 | 6.24 | 0.25 | 48 |
| 0739_21 | 1000 ppm | Week : 13 | 95.21 | 8.39 | 0.26 | 36 |
| 0740_21 | 1000 ppm | Week : 13 | 97.76 | 6.28 | 0.49 | 56 |
| 0741_21 | 8000 ppm | Week : 13 | 117.9 | 8.05 | 0.35 | 162 |
| 0742_21 | 8000 ppm | Week : 13 | 111.38 | 4.46 | 0.5 | 277 |

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MALE

| Animal No. | Dose | Time In Study | Estradiol pg per mL | Follicle Stimulating Hormone ng per mL | Luteinizing Hormone ng per mL | SDH IU per L |
|------------|-----------|---------------|---------------------|--|-------------------------------|--------------|
| 0743_21 | 8000 ppm | Week : 13 | 101.13 | 6.15 | 0.44 | 65 |
| 0744_21 | 8000 ppm | Week : 13 | 103.29 | 5.92 | 0.38 | 35 |
| 0745_21 | 8000 ppm | Week : 13 | 107.97 | 10.35 | 0.59 | 69 |
| 0746_21 | 8000 ppm | Week : 13 | 113.68 | 7.12 | 0.39 | 295 |
| 0747_21 | 8000 ppm | Week : 13 | 104.45 | 10.28 | 0.3 | 216 |
| 0748_21 | 8000 ppm | Week : 13 | 92.3 | 9.4 | 0.35 | 35 |
| 0749_21 | 8000 ppm | Week : 13 | 117.07 | 7.17 | 0.14 | 138 |
| 0750_21 | 8000 ppm | Week : 13 | 106.15 | 7.33 | 0.45 | 116 |
| 0751_21 | 16000 ppm | Week : 13 | 99.24 | 9.16 | 0.22 | 51 |
| 0752_21 | 16000 ppm | Week : 13 | 90.14 | 5.87 | 0.33 | 109 |
| 0753_21 | 16000 ppm | Week : 13 | 93.41 | 9.92 | 0.32 | 170 |
| 0754_21 | 16000 ppm | Week : 13 | 91.88 | 7.05 | 0.26 | 45 |
| 0755_21 | 16000 ppm | Week : 13 | 94.73 | 11.64 | 1.39 | 35 |
| 0756_21 | 16000 ppm | Week : 13 | 108.56 | 10.1 | 1.13 | 136 |
| 0757_21 | 16000 ppm | Week : 13 | 115.68 | 10.08 | 0.75 | 173 |
| 0758_21 | 16000 ppm | Week : 13 | 91.85 | 7.94 | 0.41 | 35 |
| 0759_21 | 16000 ppm | Week : 13 | 91.25 | 8.76 | 0.13 | 55 |
| 0760_21 | 16000 ppm | Week : 13 | 90.08 | 9.49 | 0.46 | 48 |

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Lab: NA

MALE

| Animal No. | Dose | Time In Study | Testosterone ng per mL | Triglycerides mg per dL |
|------------|---------|---------------|---------------------------|----------------------------|
| 0701_21 | 0 ppm | Week : 13 | 0.5 | 90 |
| 0702_21 | 0 ppm | Week : 13 | 0.5 | 119 |
| 0703_21 | 0 ppm | Week : 13 | 1.71 | 220 |
| 0704_21 | 0 ppm | Week : 13 | 3.37 | 116 |
| 0705_21 | 0 ppm | Week : 13 | 0.43 | 64 |
| 0706_21 | 0 ppm | Week : 13 | 0.73 | 115 |
| 0707_21 | 0 ppm | Week : 13 | 4.74 | 96 |
| 0708_21 | 0 ppm | Week : 13 | 1.62 | 145 |
| 0709_21 | 0 ppm | Week : 13 | 0.96 | 141 |
| 0710_21 | 0 ppm | Week : 13 | 7.83 | 135 |
| 0711_21 | 10 ppm | Week : 13 | 0.93 | 89 |
| 0712_21 | 10 ppm | Week : 13 | 0.89 | 152 |
| 0713_21 | 10 ppm | Week : 13 | 1.17 | 102 |
| 0714_21 | 10 ppm | Week : 13 | 2.35 | 156 |
| 0715_21 | 10 ppm | Week : 13 | 0.81 | 117 |
| 0716_21 | 10 ppm | Week : 13 | 4.31 | 106 |
| 0717_21 | 10 ppm | Week : 13 | 4.98 | 123 |
| 0718_21 | 10 ppm | Week : 13 | 5.71 | 135 |
| 0719_21 | 10 ppm | Week : 13 | 2.23 | 121 |
| 0720_21 | 10 ppm | Week : 13 | 0.63 | 108 |
| 0721_21 | 100 ppm | Week : 13 | 0.85 | 121 |
| 0722_21 | 100 ppm | Week : 13 | 0.27 | 45 |

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Lab: NA

MALE

| Animal No. | Dose | Time In Study | Testosterone ng per mL | Triglycerides mg per dL |
|------------|----------|---------------|---------------------------|----------------------------|
| 0723_21 | 100 ppm | Week : 13 | 4.03 | 71 |
| 0724_21 | 100 ppm | Week : 13 | 0.62 | 101 |
| 0725_21 | 100 ppm | Week : 13 | 0.12 | 38 |
| 0726_21 | 100 ppm | Week : 13 | 1.1 | 154 |
| 0727_21 | 100 ppm | Week : 13 | 0.97 | 126 |
| 0728_21 | 100 ppm | Week : 13 | 1.45 | 101 |
| 0729_21 | 100 ppm | Week : 13 | 1.11 | 128 |
| 0730_21 | 100 ppm | Week : 13 | 1.22 | 151 |
| 0731_21 | 1000 ppm | Week : 13 | 4.8 | 106 |
| 0732_21 | 1000 ppm | Week : 13 | 1.19 | 132 |
| 0733_21 | 1000 ppm | Week : 13 | 1.26 | 72 |
| 0734_21 | 1000 ppm | Week : 13 | 0.05 | 75 |
| 0735_21 | 1000 ppm | Week : 13 | 0.96 | 98 |
| 0736_21 | 1000 ppm | Week : 13 | 1.24 | 89 |
| 0737_21 | 1000 ppm | Week : 13 | 4.59 | 143 |
| 0738_21 | 1000 ppm | Week : 13 | 1.15 | 105 |
| 0739_21 | 1000 ppm | Week : 13 | 1 | 108 |
| 0740_21 | 1000 ppm | Week : 13 | 0.8 | 122 |
| 0741_21 | 8000 ppm | Week : 13 | 0.56 | 65 |
| 0742_21 | 8000 ppm | Week : 13 | 1.02 | 52 |
| 0743_21 | 8000 ppm | Week : 13 | 1.61 | 74 |
| 0744_21 | 8000 ppm | Week : 13 | 0.53 | 53 |

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MALE

| Animal No. | Dose | Time In Study | Testosterone ng per mL | Triglycerides mg per dL |
|------------|-----------|---------------|---------------------------|----------------------------|
| 0745_21 | 8000 ppm | Week : 13 | 4.02 | 92 |
| 0746_21 | 8000 ppm | Week : 13 | 0.95 | 58 |
| 0747_21 | 8000 ppm | Week : 13 | 0.12 | 70 |
| 0748_21 | 8000 ppm | Week : 13 | 1.49 | 52 |
| 0749_21 | 8000 ppm | Week : 13 | 0.53 | 104 |
| 0750_21 | 8000 ppm | Week : 13 | 0.89 | 96 |
| 0751_21 | 16000 ppm | Week : 13 | 1.39 | 58 |
| 0752_21 | 16000 ppm | Week : 13 | 0.3 | 45 |
| 0753_21 | 16000 ppm | Week : 13 | 0.14 | 60 |
| 0754_21 | 16000 ppm | Week : 13 | 0 | 68 |
| 0755_21 | 16000 ppm | Week : 13 | 2.46 | 43 |
| 0756_21 | 16000 ppm | Week : 13 | 2.53 | 68 |
| 0757_21 | 16000 ppm | Week : 13 | 0.88 | 74 |
| 0758_21 | 16000 ppm | Week : 13 | 0.1 | 48 |
| 0759_21 | 16000 ppm | Week : 13 | 0.75 | 62 |
| 0760_21 | 16000 ppm | Week : 13 | 0.22 | 55 |

** END OF REPORT **