

## Lewis Rat Hematology

North American Colonies\*

January 2008 - December 2011

| LEW/CrI           |      | WBC<br>(K/ $\mu$ L) | NEUT<br>(K/ $\mu$ L) | LYMPH<br>(K/ $\mu$ L) | MONO<br>(K/ $\mu$ L) | EOS<br>(K/ $\mu$ L) | BASO<br>(K/ $\mu$ L) | NEUT<br>(%) | LYMPH<br>(%) | MONO<br>(%) | EOS<br>(%) |
|-------------------|------|---------------------|----------------------|-----------------------|----------------------|---------------------|----------------------|-------------|--------------|-------------|------------|
| Male ( $\sigma$ ) | Mean | 7.46                | 2.75                 | 4.27                  | 0.39                 | 0.03                | 0.01                 | 36.39       | 57.78        | 5.26        | 0.45       |
| 95% interval      | Low  | 3.56                | 1.09                 | 1.94                  | 0.13                 | 0.00                | 0.00                 | 24.90       | 46.88        | 2.38        | 0.05       |
|                   | High | 11.64               | 4.71                 | 6.19                  | 0.83                 | 0.11                | 0.04                 | 48.96       | 69.07        | 9.29        | 1.63       |
|                   | N    | 220                 | 220                  | 220                   | 220                  | 220                 | 220                  | 220         | 220          | 220         | 220        |
| Female ( $\rho$ ) | Mean | 7.03                | 2.17                 | 4.35                  | 0.40                 | 0.08                | 0.02                 | 30.49       | 62.34        | 5.71        | 1.15       |
| 95% interval      | Low  | 2.98                | 0.71                 | 2.03                  | 0.11                 | 0.01                | 0.00                 | 20.82       | 51.85        | 2.88        | 0.10       |
|                   | High | 11.24               | 4.08                 | 6.60                  | 0.76                 | 0.33                | 0.11                 | 40.16       | 73.13        | 8.98        | 3.72       |
|                   | N    | 214                 | 214                  | 214                   | 214                  | 214                 | 214                  | 214         | 214          | 214         | 214        |

| LEW/CrI           |      | BASO<br>(%) | RBC<br>(M/ $\mu$ L) | HGB<br>(g/dL) | HCT<br>(%) | MCV<br>(fL) | MCH<br>(pg) | MCHC<br>(g/dL) | RDW<br>(%) | PLT<br>(K/ $\mu$ L) | MPV<br>(fL) |
|-------------------|------|-------------|---------------------|---------------|------------|-------------|-------------|----------------|------------|---------------------|-------------|
| Male ( $\sigma$ ) | Mean | 0.12        | 8.48                | 16.2          | 50.1       | 59.2        | 19.2        | 32.5           | 16.5       | 1068                | 8.4         |
| 95% interval      | Low  | 0.00        | 7.02                | 13.3          | 42.6       | 55.6        | 16.3        | 28.4           | 15.4       | 664                 | 7.2         |
|                   | High | 0.58        | 10.05               | 18.9          | 58.7       | 63.3        | 21.5        | 35.4           | 17.7       | 1627                | 9.7         |
|                   | N    | 220         | 220                 | 220           | 220        | 220         | 220         | 220            | 220        | 220                 | 220         |
| Female ( $\rho$ ) | Mean | 0.30        | 8.27                | 16.0          | 50.9       | 61.8        | 19.4        | 31.4           | 15.1       | 1066                | 8.1         |
| 95% interval      | Low  | 0.00        | 6.61                | 12.5          | 42.0       | 58.2        | 17.0        | 28.0           | 13.8       | 677                 | 6.9         |
|                   | High | 1.55        | 9.99                | 18.8          | 61.4       | 64.7        | 21.4        | 34.2           | 16.2       | 1663                | 9.2         |
|                   | N    | 214         | 214                 | 214           | 214        | 214         | 214         | 214            | 214        | 214                 | 214         |

\*Samples were collected from animals housed in Charles River's standard production setting.  
Age: 8-10 Weeks.

## Lewis Rat Biochemistry

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| LEW/Crl      |      | CHOL<br>(mg/dL) | TRG<br>(mg/dL) | ALT<br>(U/L) | AST<br>(U/L) | ALK<br>(U/L) | TBIL<br>(mg/dL) | GLU<br>(mg/dL) | PHOS<br>(mg/dL) |
|--------------|------|-----------------|----------------|--------------|--------------|--------------|-----------------|----------------|-----------------|
| Male (♂)     | Mean | 95              | 277            | 114          | 205          | 370          | 0.3             | 308            | 12.4            |
| 95% interval | Low  | 71              | 114            | 46           | 68           | 247          | 0.2             | 172            | 10.3            |
|              | High | 121             | 487            | 551          | 710          | 535          | 0.6             | 463            | 15.0            |
|              | N    | 230             | 230            | 230          | 229          | 230          | 230             | 230            | 230             |
| Female (♀)   | Mean | 101             | 141            | 87           | 246          | 219          | 0.3             | 281            | 10.9            |
| 95% interval | Low  | 74              | 75             | 35           | 81           | 112          | 0.1             | 144            | 8.9             |
|              | High | 131             | 261            | 293          | 879          | 346          | 0.7             | 432            | 13.5            |
|              | N    | 223             | 223            | 223          | 222          | 223          | 223             | 223            | 223             |

| LEW/Crl      |      | TPR<br>(g/dL) | CAL<br>(mg/dL) | BUN<br>(mg/dL) | CRE<br>(mg/dL) | ALB<br>(g/dL) | NA<br>(meq/L) | K<br>(meq/L) | CL<br>(meq/L) |
|--------------|------|---------------|----------------|----------------|----------------|---------------|---------------|--------------|---------------|
| Male (♂)     | Mean | 6.6           | 12.0           | 13             | 0.5            | 3.5           | 144.9         | 8.75         | 101.3         |
| 95% interval | Low  | 5.7           | 9.7            | 6              | 0.4            | 3.1           | 136.0         | 6.78         | 96.3          |
|              | High | 8.2           | 14.4           | 24             | 0.7            | 4.3           | 163.5         | 11.14        | 113.7         |
|              | N    | 230           | 230            | 230            | 230            | 230           | 228           | 228          | 228           |
| Female (♀)   | Mean | 6.9           | 11.1           | 12             | 0.5            | 3.9           | 144.0         | 8.33         | 101.5         |
| 95% interval | Low  | 5.9           | 9.0            | 5              | 0.3            | 3.4           | 135.4         | 6.53         | 97.0          |
|              | High | 8.0           | 13.6           | 21             | 0.7            | 4.7           | 158.6         | 10.88        | 110.4         |
|              | N    | 223           | 223            | 223            | 223            | 223           | 212           | 212          | 211           |

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