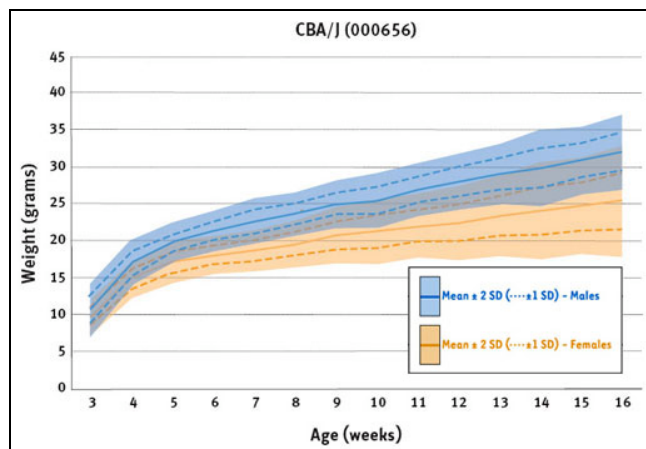


Complete data with range and standard deviations available from the Mouse Phenome Database (MPD, www.jax.org/phenome) and enter the term "jaxpheno" into the search box, or go directly to this url: phenome.jax.org/pub/cgi/phenome/mpdcgi?rtn-views%2Fsearch®=jaxpheno.



| Body Weights | | Age (weeks) | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|--------------|------|-------------|-------|-------|-------|-------|-------|-------|-------|
| Female | Mean | | 9.84 | 14.83 | 17.09 | 18.09 | 18.66 | 19.60 | 20.78 |
| | SD | | 1.23 | 1.26 | 1.42 | 1.30 | 1.41 | 1.61 | 1.92 |
| Male | Mean | | 10.68 | 17.01 | 19.82 | 21.31 | 22.59 | 23.69 | 25.00 |
| | SD | | 1.78 | 1.52 | 1.27 | 1.34 | 1.48 | 1.43 | 1.60 |

| Body Weights | | Age (weeks) | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
|--------------|------|-------------|-------|-------|-------|-------|-------|-------|-------|
| Female | Mean | | 21.24 | 22.05 | 22.45 | 23.34 | 24.03 | 24.65 | 25.38 |
| | SD | | 2.16 | 2.15 | 2.49 | 2.72 | 3.24 | 3.25 | 3.76 |
| Male | Mean | | 25.50 | 26.86 | 27.99 | 29.02 | 29.87 | 30.91 | 32.07 |
| | SD | | 1.89 | 1.75 | 1.93 | 2.08 | 2.58 | 2.30 | 2.48 |

Approximately 55 mice of each sex were obtained at weaning (BD +/- 1 day) from production rooms individually identified and weighed the same day every week. The mice were fed a diet containing 6% fat ([LabDiet® 5K52/5K67](http://www.jax.org/phenome)) from weaning at 3 weeks until 16 weeks of age.

| Parameter | Units | Female | | Males | |
|---|--------------------------|--------|-------|-------|-------|
| Hematology | | | | | |
| Age | Weeks | 8 | 16 | 8 | 16 |
| Wnt (WBC) | 10 ³ cells/μL | 2.50 | 2.50 | 1.80 | 2.00 |
| Red blood cell count (RBC) | 10 ⁶ cells/μL | 9.78 | 9.82 | 10.27 | 9.99 |
| Hemoglobin | g/dL | 15.3 | 15.1 | 16.2 | 15.4 |
| Hematocrit | % | 47.5 | 47.2 | 50.0 | 48.8 |
| Mean cell volume (MCV) | fL | 48.6 | 48.0 | 48.7 | 48.9 |
| Mean cell hemoglobin (MCH) | pg | 15.6 | 15.4 | 15.8 | 15.4 |
| Mean cell hemoglobin concentration (MCHC) | g/dL | 32.2 | 32.0 | 32.4 | 31.5 |
| Platelet count | 10 ³ cells/μL | 979 | 1018 | 956 | 1198 |
| Mean platelet volume (MPV) | fL | 6.6 | 6.8 | 6.3 | 7.2 |
| Percent reticulocytes | % | 3.0 | 2.9 | 2.9 | 3.0 |
| Reticulocyte hemoglobin | pg | 16.6 | 16.7 | 16.7 | 16.7 |
| Reticulocyte count | 10 ⁹ cells/L | 296.0 | 288.3 | 294.1 | 297.9 |
| Percent neutrophils | % | 15.8 | 21.8 | 17.7 | 20.2 |
| Percent Lymphocytes | % | 79.9 | 73.3 | 76.9 | 74.6 |
| Percent Monocytes | % | 1.5 | 2.0 | 1.4 | 2.1 |
| Percent Eosinophils | % | 2.2 | 2.1 | 3.3 | 2.3 |
| Percent Basophils | % | 0.2 | 0.3 | 0.3 | 0.4 |
| Neutrophil count | 10 ³ cells/μL | 0.37 | 0.57 | 0.31 | 0.38 |
| Lymphocyte count | 10 ³ cells/μL | 2.03 | 1.81 | 1.40 | 1.51 |
| Monocyte count | 10 ³ cells/μL | 0.04 | 0.05 | 0.02 | 0.05 |
| Eosinophil count | 10 ³ cells/μL | 0.05 | 0.05 | 0.05 | 0.05 |
| Basophil count | 10 ³ cells/μL | 0.01 | 0.01 | 0.00 | 0.01 |

| White blood cell couicochemistry | | | | | |
|---|-------|------|------|------|------|
| Albumin | g/dL | 3.8 | 3.9 | 3.8 | 3.5 |
| Total protein | g/dL | 6.0 | 5.9 | 6.2 | 5.9 |
| Blood urea nitrogen | mg/dL | 20 | 21 | 20 | 21 |
| Calcium | mg/dL | 10.3 | 10.3 | 10.8 | 10.0 |
| Phosphorous | mg/dL | 10.8 | 7.2 | 10.2 | 7.7 |
| Cholesterol | mg/dL | 78 | 78 | 113 | 99 |
| HDL cholesterol | mg/dL | 69.8 | 69.0 | 99.6 | 94.6 |
| Triglycerides | mg/dL | 157 | 257 | 231 | 210 |
| Free fatty acids | mEq/L | 2.57 | 2.65 | 2.87 | 2.53 |
| Glucose | mg/dL | 160 | 152 | 195 | 223 |
| Alanine transferase | IU/L | 38 | 34 | 41 | 30 |
| Creatine kinase | IU/L | 650 | 761 | 827 | 577 |
| Thyroxine/T4 | μg/dL | 7.3 | 7.9 | 6.7 | 7.8 |

| Parameter | Units | Females | | Males | |
|----------------------|------------------|---------|-------|-------|-------|
| Organ Weights | | | | | |
| Age | Weeks | 8 | 16 | 8 | 16 |
| Brain | g | 0.419 | 0.434 | 0.430 | 0.421 |
| | % of body weight | 2.00 | 1.70 | 1.75 | 1.33 |
| Heart | g | 0.102 | 0.115 | 0.124 | 0.142 |
| | % of body weight | 0.49 | 0.45 | 0.51 | 0.45 |
| Liver | g | 1.155 | 1.266 | 1.416 | 1.493 |
| | % of body weight | 5.50 | 4.91 | 5.75 | 4.70 |
| Left kidney | g | 0.112 | 0.121 | 0.188 | 0.218 |
| | % of body weight | 0.54 | 0.48 | 0.76 | 0.69 |
| Right kidney | g | 0.121 | 0.143 | 0.198 | 0.236 |
| | % of body weight | 0.58 | 0.55 | 0.80 | 0.74 |
| Spleen | g | 0.072 | 0.074 | 0.058 | 0.068 |
| | % of body weight | 0.34 | 0.26 | 0.24 | 0.22 |

| Body Composition by DEXA Analysis | | | | | |
|--|-------------------|-------|-------|-------|-------|
| DEXA body weight | g; Total Tissue | 20.30 | 24.93 | 24.57 | 33.50 |
| Bone mineral density | g/cm ² | 0.051 | 0.059 | 0.053 | 0.059 |
| Bone mineral content | g | 0.422 | 0.515 | 0.456 | 0.517 |
| Bone area | cm ² | 8.23 | 8.76 | 8.67 | 8.80 |
| Lean tissue | g | 15.7 | 17.3 | 19.1 | 21.9 |
| Fat tissue | g | 4.6 | 7.7 | 5.5 | 11.6 |
| Percent fat tissue | % | 22.2 | 29.6 | 22.0 | 34.5 |

| Flow Cytometry - Spleen | | | | | |
|--------------------------------|---|-------|-------|-------|-------|
| Lymphoid cells | | | | | |
| B cells | | | | | |
| B cells (B220+) | % | 55.47 | 60.46 | 55.23 | 59.19 |
| T cells | | | | | |
| CD4 T cells (CD3+, CD4+) | % | 12.95 | 13.87 | 14.94 | 16.18 |
| CD8 T cells (CD3+, CD8+) | % | 9.25 | 10.64 | 10.43 | 10.41 |
| NK cells (CD3-, NKG2D+) | % | 1.73 | 1.64 | 1.59 | 2.04 |
| NKT cells (CD3+, NKG2D+) | % | 0.88 | 0.58 | 0.70 | 0.65 |
| Myeloid cells | | | | | |
| Granulocytes (MAC1+, GR1+) | % | 1.16 | 1.10 | 1.01 | 0.66 |
| Monocytes (MAC1+, GR1-) | % | 2.88 | 2.52 | 2.60 | 2.68 |

For 8 week data, mice of each sex were obtained at 8 weeks of age (BD +/- 3 days) from production rooms. For 16 week data, mice of each sex were obtained at weaning (BD +/- 1 day) from production rooms and maintained until 16 weeks of age. All measurements are non-fasted values.