**Table 29. Vascular Space or Volume Fraction of Blood (% of Organ Weight, Unitless) in Organs and Tissues of Adult Cattle**

|  |  |  |
| --- | --- | --- |
|  | **Mean** | **SD** |
| BW (kg) | 383.7 | 46.3 |
| Spleen | 34.5 | 8.3 |
| Lungs | 20.3 | 2.6 |
| Liver | 7.7 | 1.5 |
| Kidneys | 6.6 | 0.5 |
| Pituitary Gland | 4.6 | 0.9 |
| Adrenal | 3.8 | 0.3 |
| Heart | 3.7 | 0.6 |
| Pancreas | 3.4 | 0.8 |
| Loin Muscle | 1.0 | 0.3 |
| Gastrocnemius Muscle | 1.0 | 0.2 |
|  |  |  |

Note: Very limited studies were identified for the residual blood volume in organs of cattle. All data reported in the table were from the study of Hansard (1956) with values from 4 animals.

**Table 30. Vascular Space or Volume Fraction of Blood (% of Organ Weight, Unitless) in Organs and Tissues for Calves**

|  |  |  |
| --- | --- | --- |
|  | **Mean** | **SD** |
| Adrenal Glands | 3.0 | 0.2 |
| Heart | 2.6 | 0.4 |
| Kidneys | 3.7 | 0.3 |
| Liver | 7.9 | 2.5 |
| Lungs | 25.1 | 1.8 |
| Muscle | \* | \* |
| Pancreas | 2.5 | 0.5 |
| Pituitary Gland | 3.4 | 0.7 |
| Spleen | 31.3 | 1.7 |

Note: Very limited studies were identified for the residual blood volume in organs of calves. All data reported in the table were from the study of Hansard (1956) with values from 3 animals. \* Please refer to **Table 31** for more details related to muscle.

**Table 32. Vascular Space or Volume Fraction of Blood (% of Organ Weight, Unitless) in Organs and Tissues for Growing Swine**

|  |  |  |
| --- | --- | --- |
|  | Mean | SD |
| BW (kg) | 20.9 | 12.6 |
| Spleen | 14.6 | 1.9 |
| Lungs | 24.8 | 2.9 |
| Liver | 5.7 | 0.5 |
| Kidneys | 7.2 | 0.3 |
| Adrenal Glands | 4.9 | 0.8 |
| Heart | 3.1 | 0.3 |
| Pancreas | 2.2 | 0.1 |
| Loin Muscle | 1.5 | 0.4 |
| Gastrocnemius Muscle | 0.80 | 0.02 |

Note: Very limited studies were identified for the residual blood volume in organs of growing swine. All data reported in the table were from the study of Hansard (1956) with values from 3 animals.

**Table 33. Vascular Space or Volume Fraction of Blood (% of Organ Weight, Unitless) in Organs and Tissues for Aged Swine**

|  |  |  |
| --- | --- | --- |
|  | **Mean** | **SD** |
| BW (kg) | 281.1 | 29.1 |
| Spleen | 10.0 | 0.1 |
| Lungs | 24.0 | 0.9 |
| Liver | 8.0 | 0.6 |
| Kidneys | 9.1 | 3.2 |
| Adrenal Glands | 4.5 | 0.9 |
| Heart | 3.6 | 0.5 |
| Pancreas | 2.3 | 0.3 |
| Loin Muscle | 0.91 | 0.01 |
| Gastrocnemius Muscle | 0.8 | 0.1 |

Note: Very limited studies were identified for the residual blood volume in organs of aged swine. All data reported in the table were from the study of Hansard (1956) with values from 3 animals.