

**University Animal Care – Pathology Services**  
**NORMAL CLINICAL CHEMISTRY VALUES 2/24/06**

	Unit	Mouse	Rat	Gerbil	Hamster	G Pig	Rabbit	Cat	Dog	Rhesus	Swine	Sheep
<b>ALP</b>	<b>U/L</b>	35-96	174-589		15-160	64-76	5-20	15-115	5-250	9-89	9-20	68-387
<b>Glucose</b>	<b>g/dl</b>	62-175	50-160	50-135	60-150	60-125	75-150	70-140	81-135	60-160	65-95	42-76
<b>ALT</b>	<b>U/L</b>	17-77	35-80		25-70	33-49	12-67	4-60	5-110	0-68	9-17	Low
<b>Total Protein</b>	<b>g/dl</b>	3.5-7.2	5.6-7.6	4.3-12.5	4.5-7.5	4.6-6.2	5.3-7.5	5.4-9.3	5.6-8.2	4-8	7.4-8.9	6-7.9
<b>Albumin</b>	<b>g/dl</b>	2.5-3	3.8-4.8	1.8-5.5	2.3-4.3	2.1-3.9	2.7-4.6	2.5-3.7	3.1-4.3	2.8-5.2	1.8-3.4	2.4-3
<b>Globulin</b>	<b>g/dl</b>											
<b>Calcium</b>	<b>mg/dl</b>	7.1-10.1	8.13	3.7-6.2	9.5-12	5.3-12	5.6-12.5	7.8-10.6	8.9-12.0	6.9-13	10.2-11.9	11.5-12
<b>Cholesterol</b>	<b>mg/dl</b>		40-130	90-150	50-120	20-43	20-80	95-212	152-320	100-200	36-54	52-76
<b>BUN</b>	<b>mg/dl</b>	8-33	10-21	17-27	15-28	9-31.5	10-25	15-30	10-28	8-30	8-24	8-20
<b>Phosphorus</b>	<b>mg/dl</b>	5.7-9.2	5.3-8.3	3.7-7.0	3.4-8.2	3-7.6	4-6.2	2.2-7.5	2.0-6.5	3.1-7.1	7-10.9	5-7.3
<b>Creatinine</b>	<b>mg/dl</b>	.2-.9	.5-1	.6-1.4	.3-1	.6-2.2	.8-1.8	0.7-1.7	0.4-1.3	0.1-2.8	1-3	1-2.7
<b>T. Bilirubin</b>	<b>mg/dl</b>	0-0.9	.2-.5	.2-.6	.2-.8	.3-.9	.2-.7	.0-.6	.0-.7	.1-2	0-.7	.1-.3
<b>Sodium</b>	<b>mEq/l</b>	140-160	140-150		128-150	146-152	130-150	140-165	140-165	140-160	135-150	139-152
<b>Potassium</b>	<b>mEq/l</b>	5-7.5	4.3-5.6		3.9-5.8	6.8-8.9	3.6-7.5	3.6-5.3	3.8-5.7	2.3-6.7	4.4-6.7	3.9-5.4
<b>Chloride</b>	<b>mEq/l</b>	88-110	95-115		95-110	98-115	95-120	104-126	98-120	84-126	94-106	95-103
<b>AST</b>	<b>U/L</b>	54-298			28-140		14-113	0-48	10-47	16-97	17-45	20-25

These values are subjectively averaged from a variety of sources. There is a great range of values reported that vary according to age, sex, breed or strain, sampling technique, and testing methodology. As such, the range limits are not firm boundaries and should be used as guidelines.