Adult	Blood Chem.	Sodium	Potassium	Chloride	Bicarbonate	Anion Gap	Urea	Creatine-rb	Calcium	Phosphate	Magnesium-xb	Total Protein	Albumin-bulk	Globulin	A/G	Glucose	AST/P5P	SDH
	Ref Low	134	3.9	94	22	17	10	0.4	8.3	4.2	1.7	7.2	3.2	3.5	0.6	31	53	10
	Ref High	145	5.3	105	30	24	25	1	10.4	7.7	2.2	9.4	4.2	5.8	1.2	77	162	50
	Units	mEq/L	mEq/L	mEq/L	mEq/L	mEq/L	mg/dL	mg/dL	mg/dL	mg/dL	mEq/L	g/dL	g/dL	g/dL		mg/dL	U/L	U/L
Controls	**135**	140	4.5	103	21	21	11	0.6	9.6	8.6	2	6.8	3.4	3.4	1	71	120	5
	154	138	4.7	98	27	18	12	0.7	10.9	8.1	2.1	6.7	3.7	3	1.23	88	68	18
	206	136	4.7	97	24	20	5	0.6	10.7	9.6	1.7	6.9	3.4	3.5	0.97	90	83	17
	160	147	5.9	101	23	29	21	0.9	10.1	9.3	1.9	7.3	3.9	3.4	1.15	31	84	23
	161	143	4.7	97	22	29	18	0.7	10.5	9.4	2	6.8	3.7	3.1	1.19	38	88	22
	162	140	4.8	98	23	24	16	0.7	9.7	8.5	1.8	6.4	3.1	3.3	0.94	8	65	13
	163	144	4.8	99	15	35	15	0.7	10.5	9	1.9	7.4	3.5	3.9	0.9	44	86	16
	165	146	4.9	99	18	34	16	0.7	10.6	8.7	1.8	7	3.9	3.1	1.26	22	100	18
	169	143	4.7	96	22	30	13	0.5	11	8.8	1.8	7.3	3.8	3.5	1.09	32	72	25
	205	139	4.5	95	26	23	15	0.8	10.7	8.3	1.8	7.8	3.3	4.5	0.73	81	88	15
	207	137	4.9	95	26	21	10	0.7	10.4	7.7	2	6.6	3.6	3	1.2	83	72	7
	208	139	4.5	96	27	21	10	0.4	10.2	8.9	1.9	7	3.4	3.6	0.94	95	77	4
	209	139	4.8	94	27	23	12	0.6	9.9	9.2	1.8	7	3.2	3.8	0.84	87	109	34
	210	140	4.8	96	26	23	13	0.8	10.1	7.7	2.1	7.1	3.5	3.6	0.97	92	98	15
	211	138	4.3	93	26	23	10	0.6	10.3	8.1	2	7	3.2	3.8	0.84	92	85	19
	212	142	5.5	98	26	24	13	0.6	10.7	8.1	2.1	7.5	3.4	4.1	0.83	90	79	30
	215	141	5.2	100	19	27	16	0.9	10.6	8.8	2	7	3.8	3.2	1.19	49	109	8
	216	143	4.6	101	21	26	18	0.8	9.5	9.5	1.8	6.5	3.5	3	1.17	80	99	25
	217	143	4.6	100	20	28	12	0.7	9.4	10.1	1.8	6.2	3.4	2.8	1.21	74	98	23
	218	141	4.7	99	21	26	18	0.7	10.3	9.7	1.9	6.6	3.7	2.9	1.28	58	74	23
	219	141	4.6	99	21	26	14	0.9	10	9.7	1.9	6.7	3.7	3	1.23	89	88	26
Clones	**24**	140	4.7	96	24	25	18	1	10.4	8	1.9	7.2	3.6	3.6	1	78	86	13
	25	141	4.3	96	25	24	12	1	10.4	8.1	1.8	6.8	3.6	3.2	1.13	72	95	16
	26	139	4.5	95	25	24	17	1	10	8.6	1.8	7	3.4	3.6	0.94	80	97	19
	27	139	5.2	94	25	25	13	0.9	10.5	8.7	1.9	7.2	3.5	3.7	0.95	78	100	14
	33	143	4.7	98	25	25	14	1.2	10.4	8.3	1.9	7.9	3.6	4.3	0.84	73	68	11
	35	143	4.7	98	26	24	14	0.9	10.2	8.1	2	7.6	3.4	4.2	0.81	75	73	14
	36	140	4.3	96	27	21	12	0.9	10	7.7	1.9	7.6	3.5	4.1	0.85	81	67	15
	38	139	4.2	96	25	22	15	1	9.7	9.1	1.9	7.1	3.4	3.7	0.92	88	75	15
	37	140	5	100	26	19	6	0.5	10.3	8.4	2	6.5	3.6	2.9	1.24	88	92	3
	55	140	5.4	99	25	21	13	0.6	10.8	9.9	2	6.6	3.8	2.8	1.36	45	81	7
	67	145	5	99	23	28	17	0.6	10.6	10.6	1.9	6.9	3.5	3.4	1.03	70	103	15
	69	144	4.8	97	26	26	14	0.7	10	9.3	1.7	7.5	3.1	4.4	0.7	73	85	22
	70	147	4.9	100	27	25	15	0.6	10.7	9.9	2.1	7.2	3.7	3.5	1.06	81	82	20
	98	136	4.2	96	27	17	11	0.6	10	8.5	1.8	6.8	3.7	3.1	1.19	91	59	15
	99	135	4.5	96	23	21	10	0.6	9.4	8.5	1.8	7.4	3.4	4	0.85	92	62	13
	103	144	6.6	100	23	28	13	0.2	10.7	10.2	2.1	7.1	3.7	3.4	1.09	12	133	7
	104	143	6.3	100	27	22	17	0.5	10.8	9.9	2	6.9	3.5	3.4	1.03	32	122	5
	108	137	5.5	97	24	22	18	1.1	10.6	9.2	1.9	6.7	3.7	3	1.23	24	97	15

Adult	Blood Chem.	Alk. Phos.	GGT	Total Bilirubin	Dir. Bilirubin	Ind. Bilirubin	Amylase	Cholesterol	CK	Iron	TIBC	% Saturation	hBA-random	Lipemia	Hemolysis	Icterus	IGF-1	Estradiol
	Ref Low	23	11	0	0	0		73	77	113	362	28	9				34.7	10
	Ref High	78	39	0.1	0	0.1		280	265	226	533	48	455				472.27	40
	Units	U/L	U/L	mg/dL	mg/dL	mg/dL	U/L	mg/dL	U/L	ug/dL	ug/dL	%	umol/L				ng/ml	pg/ml
Controls	**135**	121	5	0.1	0	0.1	82	86	176	167	364	46	3.2	20	71	1		
	154	173	15	0.2	0	0.2	32	113	170	164	428	38	50.9	8	10	0	312.99	>4.0
	206	231	11	0.1	0	0.1	44	102	227	212	450	47	28.4	14	45	0	278.28	4.2
	160	182	15	0.1	0	0.1	38	113	153	183	476	38	34.2	5	32	0	324.29	11.14
	161	292	12	0.1	0	0.1	26	95	196	205	493	42	14.6	5	4	0	332.05	8
	162	167	9	0.1	0	0.1	23	69	141	224	343	65	20.4	0	26	0	43.75	4.1
	163	276	11	0.1	0	0.1	36	74	217	157	406	39	27.5	13	19	0	193.53	4.48
	165	191	14	0.1	0	0.1	48	88	207	239	494	48	28.6	12	42	0	291.66	6.93
	169	280	10	0.1	0	0.1	43	74	243	200	508	39	17.7	24	0	0	153.69	5.77
	205	134	16	0.1	0	0.1	45	105	176	114	411	28	15.1	25	14	0	732.75	9.15
	207	193	11	0.1	0	0.1	43	90	117	195	435	45	21.3	13	39	0	752.54	11.41
	208	178	<3	0.1	0	0.1	39	66	242	194	439	44	7.8	24	202	0	793.84	10.36
	209	151	23	0.1	0	0.1	23	67	150	156	410	38	15.1	5	25	0	732.63	10.35
	210	168	18	0.1	0	0.1	33	86	465	170	439	39	32.7	18	64	0	816.99	10.53
	211	169	20	0.1	0	0.1	29	58	168	164	482	34	7.9	17	24	0	861.08	7.91
	212	169	22	0.1	0	0.1	14	77	165	151	529	29	13.5	12	6	0	875.72	12.44
	215	158	<3	0.1	0	0.1	24	172	936	167	403	41	18.9	33	119	1	155.44	>4.0
	216	213	8	0.1	0	0.1	44	141	421	192	407	47	18	15	33	1	215.93	>4.0
	217	197	6	0	0	0	45	181	328	182	401	45	19.5	2	23	1	253.77	4.3
	218	127	8	0.1	0	0.1	44	160	253	180	376	48	20.9	7	41	2	218.14	5.26
	219	254	10	0.1	0	0.1	30	155	640	161	433	37	26.8	9	27	1	338.43	>4.0
Clones	**24**	109	13	0.1	0	0.1	46	104	181	132	409	32	17.1	16	8	0	924.04	14.16
	25	174	15	0.1	0	0.1	33	113	884	142	388	37	29.4	18	3	0	769.08	11.94
	26	151	13	0.1	0	0.1	34	113	161	130	359	36	20.2	15	2	0	381.04	10.62
	27	163	14	0.1	0	0.1	39	122	205	143	401	36	16.5	15	28	0	618.84	12.02
	33	104	16	0.1	0	0.1	34	81	145	150	470	32	31.5	14	9	0	915.45	24.33
	35	132	13	0.1	0	0.1	34	77	188	192	488	39	16.6	12	10	0	937.54	23.92
	36	113	16	0.1	0	0.1	35	78	103	155	479	32	12.3	11	5	0	875.68	15.4
	38	164	15	0.1	0	0.1	33	125	121	101	353	29	24.9	6	9	0	622.08	7.62
	37	136	3	0.1	0	0.1	37	85	432	179	478	37	14.4	22	84	1		
	55	184	7	0.1	0	0.1	43	129	177	230	466	49	27.9	28	60	0	414.52	9.6
	67	186	17	0.1	0	0.1	29	86	426	193	455	42	12.3	5	34	0	691.78	12.4
	69	138	22	0.1	0	0.1	27	88	263	156	385	41	10.7	25	0	0	445.23	15.82
	70	148	22	0.1	0	0.1	31	99	448	183	464	39	14.3	8	1	0	548.43	10.06
	98	231	11	0.1	0	0.1	39	91	196	132	363	36	23.5	5	8	0	279.26	>4.0
	99	192	11	0.1	0	0.1	37	96	217	129	331	39	20.8	9	5	0	217.88	4.28
	103	182	<3	0.1	0	0.1	33	122	1222	165	390	42	7.7	20	353	0	169.03	6.91
	104	179	<3	0.1	0	0.1	35	108	313	230	430	53	7.3	18	262	0	331.99	7.07
	108	111	12	0.1	0	0.1	33	111	227	165	304	54	29.5	20	30	0	33.25	7.5