

Parameter	conv. Unit	Measuring Range	Dog*	Cat*	Horse*
A/G ratio***	-	-	0.6 - 1.1**	0.6 - 1.2**	0.7 - 1.1**
ALB	g/dl	1.0 - 6.5	2.2 - 3.9	2.2 - 4.1	2.5 - 4.0
ALP	U/l	10 - 1000	18 - 214	9 - 109	10 - 335
ALT	U/l	10 - 1000	12 - 101	13 - 109	7 - 47
AMY	U/l	10 - 2500	500 - 1400	500 - 1400	0 - 37
AST	U/l	10 - 1300	2 - 43	2 - 41	100 - 525
B/C ratio***	-	-	-	-	-
BUN	mg/dl	5 - 200	7 - 29	15 - 37	11 - 27
CA	mg/dl	4.0 - 16.0	9.0 - 13.4	8.9 - 12.6	11.9 - 14.8
CHOL	mg/dl	50 - 450	100 - 330	50 - 230	40 - 108
CK	U/l	35 - 15000	11 - 235	10 - 355	21 - 400
CL	mmol/l	70 - 180	107 - 122	109 - 128	92 - 104
CREA	mg/dl	0.1 - 20.0	0.3 - 1.5	0.7 - 2.1	1.0 - 1.9
FRUC	µmol/l	100 - 1000	203 - 343	189 - 361	-
GGT	U/l	5 - 1500	0 - 7	0 - 5	0 - 95
GLDH	U/l	8 - 200	-	-	0 - 15
GLOB***	g/dl	-	2.1 - 4.9	3.0 - 5.7	2.4 - 5.0
GLU	mg/dl	10 - 1000	74 - 146	74 - 152	71 - 141
K	mmol/l	1.5 - 10.0	3.2 - 5.5	3.2 - 5.5	2.8 - 5.2
LIPA	U/l	20 - 1000	0 - 155	0 - 32	-
MG	mg/dl	0.5 - 8.0	-	-	-
NA	mmol/l	90 - 200	138 - 158	140 - 160	124 - 142
NA/K ratio***	-	-	> 27	> 27	-
PHOS	mg/dl	0.1 - 40.0	2.0 - 6.0	2.6 - 6.4	1.4 - 4.9
TBIL	mg/dl	0.1 - 30.0	0.0 - 0.4	0.0 - 0.4	0.0 - 2.4
TP	g/dl	2.0 - 11.0	5.3 - 8.4	5.8 - 9.1	5.7 - 8.0
TRIG	mg/dl	10 - 600	8 - 100	8 - 100	5 - 66

* Manufacturer

**Klinische Labordiagnostik in der Tiermedizin; Kraft W., Dürr U. M.; Schattauer; 7. Auflage

***Calculated parameter

Parameter	SI Unit	Measuring Range	Dog*	Cat*	Horse*
A/G ratio***	-	-	0.6 - 1.1**	0.6 - 1.2**	0.7 - 1.1**
ALB	g/l	10 - 65	22 - 39	22 - 41	25 - 40
ALP	U/l	10 - 1000	18 - 214	9 - 109	10 - 335
ALT	U/l	10 - 1000	12 - 101	13 - 109	7 - 47
AMY	U/l	10 - 2500	500 - 1400	500 - 1400	0 - 37
AST	U/l	10 - 1300	2 - 43	2 - 41	100 - 525
B/C ratio***	-	-	-	-	-
BUN	mmol/l	1.78 - 71.22	2.5 - 10.4	5.4 - 13.2	3.9 - 9.6
CA	mmol/l	0.99 - 3.99	2.25 - 3.35	2.23 - 3.15	2.98 - 3.70
CHOL	mmol/l	1.3 - 11.7	2.59 - 8.55	1.29 - 5.96	1.04 - 2.80
CK	U/l	35 - 15.000	11 - 235	10 - 355	21 - 400
CL	mmol/l	70 - 180	107 - 122	109 - 128	92 - 104
CREA	µmol/l	8.8 - 1768	26.5 - 132.6	61.8 - 185.6	88.4 - 167.9
FRUC	µmol/l	100 - 1000	203 - 343	189 - 361	-
GGT	U/l	5 - 1500	0 - 7	0 - 5	0 - 95
GLDH	U/l	8 - 200	-	-	0 - 15
GLOB***	g/l	-	21 - 49	30 - 57	24 - 50
GLU	mmol/l	0.5 - 55.5	4.1 - 8.1	4.1 - 8.4	3.9 - 7.8
K	mmol/l	1.5 - 10.0	3.2 - 5.5	3.2 - 5.5	2.8 - 5.2
LIPA	U/l	20 - 1000	0 - 155	0 - 32	-
MG	mmol/l	0.2 - 3.29	-	-	-
NA	mmol/l	90 - 200	138 - 158	140 - 160	124 - 142
NA/K ratio***	-	-	> 27	> 27	-
PHOS	mmol/l	0.03 - 12.92	0.65 - 1.94	0.84 - 2.07	0.45 - 1.58
TBIL	µmol/l	1.71 - 513.12	0.0 - 6.0	0.0 - 6.0	0 - 41
TP	g/l	20 - 110	53 - 84	58 - 91	57 - 80
TRIG	mmol/l	0.11 - 6.84	0.09 - 1.13	0.09 - 1.13	0.06 - 0.75

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***Calculated parameter

Parameter	conv. Unit	Rabbit**	Cattle**	Ferret***	Guinea Pig**	Rat***	Mouse***	Pig**	Sheep**	Goat**
A/G ratio	-	-	-	-	-	-	-	-	-	-
ALB	g/dl	3.6 - 5.7	3.0 - 4.2	3.3 - 4.1	2.6 - 4.1	4.1 - 5.4	3.0 - 4.0	-	-	-
ALP	U/l	0 - 397	< 1200	30 - 120	< 418	70 - 132	66 - 262	< 170	< 100	< 340
ALT	U/l	0 - 61	< 50	30 - 100	< 61	26 - 37	40 - 189	< 68	< 14	-
AMY	U/l	0 - 459	-	-	< 3159	-	-	< 3500	-	-
AST	U/l	0 - 28	0 - 103*	15 - 40	< 90	40 - 53	77 - 383	< 35	< 75	< 65
B/C ratio***	-	-	-	-	-	-	-	-	-	-
BUN	mg/dl	5.9 - 23.6	9.3 - 14	17 - 32	9.3 - 28.9	16 - 19	21 - 26	9.0 - 23.0	12.0 - 23.0	9.0 - 23.0
CA	mg/dl	12.4 - 15.6	9.3 - 13.0*	8.5 - 11.0	9.6 - 12.4	10.5 - 13.0	7.9 - 10.5	9.6 - 14.0	8.4 - 10.8	8.8 - 11.2
CHOL	mg/dl	12 - 103	75 - 120	60 - 220	12-65	36 - 100	-	77 - 128	45 - 75	77 - 130
CK	U/l	0 - 958	25 - 418*	60 - 300	< 2143	6 - 309	-	< 2000	< 25	< 65
CL	mmol/l	93 - 109	95 - 110	112 - 129	94 - 111	85 - 102	99 - 108	102 - 106	100 - 106	-
CREA	mg/dl	0.4 - 1.9	1.0 - 2.0	0.2 - 0.6	< 0.9	0.5 - 1.4	< 0.5	0.45 - 1.5	0.6 - 1.4	0.5 - 1.2
FRUC	µmol/l	-	-	-	-	-	-	-	-	-
GGT	U/l	< 13	< 50	-	< 13	-	-	< 45	< 32	< 23
GLDH	U/l	-	-	-	-	-	-	-	-	-
GLOB***	g/dl	1.3 - 1.7	-	-	1.9 - 2.5	-	-	-	-	-
GLU	mg/dl	105 - 267	40 - 60	67 - 124	89 - 287	114 - 143	196 - 278	70 - 115	40 - 60	40 - 55
K	mmol/l	3.7 - 6.3	3.5 - 4.5	3.7 - 5.4	4.5 - 8.8	5.3 - 7.5	5.3 - 6.3	4.0 - 5.0	3.5 - 4.5	-
LIPA	U/l	-	-	-	-	-	-	-	-	-
MG	mg/dl	-	1.3 - 3.0*	-	-	-	-	-	-	-
NA	mmol/l	139 - 149	135 - 157	146 - 160	130 - 150	143 - 150	138 - 186	140 - 160	149 - 160	-
Na/K ratio	-	-	-	-	-	-	-	-	-	-
PHOS	mg/dl	2.5 - 9.8	3.7 - 8.3*	3.3 - 7.8	3.2 - 21.6	5.0 - 13.0	5.6 - 9.2	6.5 - 10.2	4.0 - 6.0	4.5 - 7.0
TBIL	mg/dl	0 - 0.1	< 0.3	< 0.3	< 0.1	< 0.6	-	< 0.25	< 0.4	< 0.4
TP	g/dl	5.9 - 7.4	6.0 - 8.0	5.3 - 7.2	4.4 - 6.6	6.4 - 8.5	5.0 - 7.0	< 8.6	5.5 - 7.5	6.5 - 7.5
TRIG	mg/dl	39 - 293	15 - 45	-	29 - 206	-	-	< 44	5.0 - 30.0	-

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***Calculated parameter

Parameter	SI Unit	Rabbit**	Cattle**	Ferret***	Guinea Pig**	Rat***	Mouse***	Pig**	Sheep**	Goat**
A/G ratio	-	-	-	-	-	-	-	-	-	-
ALB	g/l	36 - 57	30 - 42	33 - 41	26 - 41	41 - 54	30 - 40	-	-	-
ALP	U/l	0 - 397	< 1200	30 - 120	< 418	70 - 132	66 - 262	< 170	< 100	< 340
ALT	U/l	0 - 61	< 50	30 - 100	< 61	26 - 37	40 - 189	< 68	< 14	-
AMY	U/l	0 - 459	-	-	< 3159	-	-	< 3500	-	-
AST	U/l	0 - 28	0 - 103*	15 - 40	< 90	40 - 53	77 - 383	< 35	< 75	< 65
B/C ratio***	-	-	-	-	-	-	-	-	-	-
BUN	mmol/l	2.4 - 8.4	3.3 - 5.0	6.0 - 11.39	3.31 - 10.3	5.7 - 6.7	7.47 - 9.25	3.2 - 8.2	4.3 - 8.2	3.2 - 8.2
CA	mmol/l	3.1 - 3.9	2.32 - 3.24*	2.11 - 2.74	2.4 - 3.1	2.62 - 3.24	1.97 - 2.62	2.4 - 3.5	2.1 - 2.7	2.2 - 2.8
CHOL	mmol/l	0.3 - 2.7	2.0 - 3.11	1.6 - 5.7	0.3 - 1.7	0.9 - 2.6	-	2.0 - 3.3	1.2 - 1.9	2.0 - 3.4
CK	U/l	0 - 958	25 - 418*	60 - 300	< 2143	6 - 309	-	< 2000	< 25	< 65
CL	mmol/l	93 - 109	95 - 110	112 - 129	94 - 111	85 - 102	99 - 108	102 - 106	100 - 106	-
CREA	µmol/l	34 - 166	88 - 177	17.7 - 53.0	< 77	44.2 - 123.8	< 44.2	40 - 133	53 - 124	44 - 106
FRUC	µmol/l	-	-	-	-	-	-	-	-	-
GGT	U/l	< 13	< 50	-	< 13	-	-	< 45	< 32	< 23
GLDH	U/l	-	-	-	-	-	-	-	-	-
GLOB***	g/l	13 - 17	-	-	19 - 25	-	-	-	-	-
GLU	mmol/l	5.8 - 14.8	2.2 - 3.3	3.7 - 6.8	5.0 - 16.0	6.3 - 7.9	10.8 - 15.3	3.9 - 6.4	2.2 - 3.3	2.2 - 3.1
K	mmol/l	3.7 - 6.3	3.5 - 4.5	3.7 - 5.4	4.5 - 8.8	5.3 - 7.5	5.3 - 6.3	4.0 - 5.0	3.5 - 4.5	-
LIPA	U/l	-	-	-	-	-	-	-	-	-
MG	mmol/l	-	0.54 - 1.23*	-	-	-	-	-	-	-
NA	mmol/l	139 - 149	135 - 157	146 - 160	130 - 150	143 - 150	138 - 186	140 - 160	149 - 160	-
Na/K ratio	-	-	-	-	-	-	-	-	-	-
PHOS	mmol/l	0.81 - 3.15	1.19 - 2.68*	1.1 - 2.5	1.0 - 6.9	1.6 - 4.2	1.8 - 2.9	2.1 - 3.3	1.3 - 1.9	1.4 - 2.3
TBIL	µmol/l	0.29 - 2.53	< 5.0	< 5.13	< 1.71	< 10.26	-	< 4.3	< 6.8	< 6.8
TP	g/l	59 - 74	60 - 80	53 - 72	44 - 66	64 - 85	50 - 70	< 86	55 - 75	65 - 75
TRIG	mmol/l	0.5 - 3.4	0.17 - 0.51	-	0.3 - 2.4	-	-	< 0.5	0.06 - 0.34	-

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