Reference Ranges for the Catalyst One™ Chemistry Analyzer and Catalyst Dx™ Chemistry Analyzer

Notes:

- The reference ranges listed below are subject to change. The ranges that appear on your IDEXX VetLab™ Station integrated report always reflect the current reference ranges.
- Due to differences in methodologies, in-house chemistry analyzer reference ranges may differ from reference laboratory chemistry reference ranges.

	Canine—Puppy			
Chemistries	**U.S. Units**		**S.I. Units**	
ALB	2.1–3.6	g/dL	21–36	g/L
ALKP	46–337	U/L	46–337	U/L
ALT	8–75	U/L	8–75	U/L
AMYL	300–1300	U/L	300–1300	U/L
AST	0–50	U/L	0–50	U/L
BUN/UREA	7–29	mg/dL	2.5–10.4	mmol/L
Ca	7.8–12.6	mg/dL	1.95–3.15	mmol/L
CHOL	100–400	mg/dL	2.58–10.34	mmol/L
CK	99–436	U/L	99–436	U/L
CREA	0.3–1.2	mg/dL	27–106	µmol/L
CRP	0.0–1.0	mg/dL	0.0–10.0	mg/L
FRU	177–314	µmol/L	177–314	µmol/L
GGT	0–2	U/L	0–2	U/L
GLOB	2.3–3.8	g/dL	23–38	g/L
GLU	77–150	mg/dL	4.28–8.33	mmol/L
LAC	0.50–2.50	mmol/L	0.50–2.50	mmol/L
LDH	0–273	U/L	0–273	U/L
LIPA	100–1500	U/L	100–1500	U/L
Mg	1.20–2.04	mg/dL	0.50–0.85	mmol/L
NH_3	0–99	µmol/L	0–99	µmol/L
PHOS	5.1–10.4	mg/dL	1.65–3.35	mmol/L
PL	0–200	U/L	0–200	U/L
proBNP	0–900	pmol/L	0–900	pmol/L
SDMA	0–16	µg/dL	0–16	µg/dL
TBIL	0.0–0.8	mg/dL	0–14	µmol/L
TP	4.8–7.2	g/dL	48–72	g/L
TRIG	0–33	mg/dL	0.00–0.37	mmol/L
TT_4	1.0–4.0	µg/dL	13.0–51.0	nmol/L
URIC	0.0–1.0	mg/dL	0–60	mmol/L
Na^+	145–157	mmol/L	145–157	mmol/L
K^+	3.5–5.5	mmol/L	3.5–5.5	mmol/L
Cl^-	105–119	mmol/L	105–119	mmol/L

Reference Ranges for the Catalyst One™ Chemistry Analyzer and Catalyst Dx™ Chemistry Analyzer

Notes:

- The reference ranges listed below are subject to change. The ranges that appear on your IDEXX VetLab™ Station integrated report always reflect the current reference ranges.
- Due to differences in methodologies, in-house chemistry analyzer reference ranges may differ from reference laboratory chemistry reference ranges.

	Canine—Adult			
Chemistries	**U.S. Units**		**S.I. Units**	
ALB	2.3–4.0	g/dL	23–40	g/L
ALKP	23–212	U/L	23–212	U/L
ALT	10–125	U/L	10–125	U/L
AMYL	500–1500	U/L	500–1500	U/L
AST	0–50	U/L	0–50	U/L
BUN/UREA	7–27	mg/dL	2.5–9.6	mmol/L
Ca	7.9–12.0	mg/dL	1.98–3.00	mmol/L
CHOL	110–320	mg/dL	2.84–8.27	mmol/L
CK	10–200	U/L	10–200	U/L
CREA	0.5–1.8	mg/dL	44–159	µmol/L
CRP	0.0–1.0	mg/dL	0.0–10.0	mg/L
FRU	177–314	µmol/L	177–314	µmol/L
GGT	0–11	U/L	0–11	U/L
GLOB	2.5–4.5	g/dL	25–45	g/L
GLU	74–143	mg/dL	4.11–7.94	mmol/L
LAC	0.50–2.50	mmol/L	0.50–2.50	mmol/L
LDH	40–400	U/L	40–400	U/L
LIPA	200–1800	U/L	200–1800	U/L
Mg	1.40–2.38	mg/dL	0.58–0.99	mmol/L
NH_3	0–98	µmol/L	0–98	µmol/L
PHOS	2.5–6.8	mg/dL	0.81–2.19	mmol/L
PL	0–200	U/L	0–200	U/L
proBNP	0–900	pmol/L	0–900	pmol/L
SDMA	0–14	µg/dL	0–14	µg/dL
TBIL	0.0–0.9	mg/dL	0–15	µmol/L
TP	5.2–8.2	g/dL	52–82	g/L
TRIG	10–100	mg/dL	0.11–1.13	mmol/L
TT_4	1.0–4.0	µg/dL	13.0–51.0	nmol/L
URIC	0.0–1.0	mg/dL	0–60	mmol/L
Na^+	144–160	mmol/L	144–160	mmol/L
K^+	3.5–5.8	mmol/L	3.5–5.8	mmol/L
Cl^-	109–122	mmol/L	109–122	mmol/L

Reference Ranges for the Catalyst One™ Chemistry Analyzer and Catalyst Dx™ Chemistry Analyzer

Notes:

- The reference ranges listed below are subject to change. The ranges that appear on your IDEXX VetLab™ Station integrated report always reflect the current reference ranges.
- Due to differences in methodologies, in-house chemistry analyzer reference ranges may differ from reference laboratory chemistry reference ranges.

	Canine—Geriatric			
Chemistries	**U.S. Units**		**S.I. Units**	
ALB	2.2–3.9	g/dL	22–39	g/L
ALKP	23–212	U/L	23–212	U/L
ALT	10–125	U/L	10–125	U/L
AMYL	500–1500	U/L	500–1500	U/L
AST	0–50	U/L	0–50	U/L
BUN/UREA	7–27	mg/dL	2.5–9.6	mmol/L
Ca	7.9–12.0	mg/dL	1.98–3.00	mmol/L
CHOL	110–320	mg/dL	2.84–8.27	mmol/L
CK	10–200	U/L	10–200	U/L
CREA	0.5–1.8	mg/dL	44–159	µmol/L
CRP	0.0–1.0	mg/dL	0.0–10.0	mg/L
FRU	177–314	µmol/L	177–314	µmol/L
GGT	0–11	U/L	0–11	U/L
GLOB	2.5–4.5	g/dL	25–45	g/L
GLU	70–143	mg/dL	3.89–7.94	mmol/L
LAC	0.50–2.50	mmol/L	0.50–2.50	mmol/L
LDH	40–400	U/L	40–400	U/L
LIPA	200–1800	U/L	200–1800	U/L
Mg	1.40–2.38	mg/dL	0.58–0.99	mmol/L
NH_3	0–98	µmol/L	0–98	µmol/L
PHOS	2.5–6.8	mg/dL	0.81–2.19	mmol/L
PL	0–200	U/L	0–200	U/L
proBNP	0–900	pmol/L	0–900	pmol/L
SDMA	0–14	µg/dL	0–14	µg/dL
TBIL	0.0–0.9	mg/dL	0–15	µmol/L
TP	5.2–8.2	g/dL	52–82	g/L
TRIG	10–100	mg/dL	0.11–1.13	mmol/L
TT_4	1.0–4.0	µg/dL	13.0–51.0	nmol/L
URIC	0.0–1.0	mg/dL	0–60	mmol/L
Na^+	144–160	mmol/L	144–160	mmol/L
K^+	3.5–5.8	mmol/L	3.5–5.8	mmol/L
Cl^-	109–122	mmol/L	109–122	mmol/L

Reference Ranges for the Catalyst One™ Chemistry Analyzer and Catalyst Dx™ Chemistry Analyzer

Notes:

- The reference ranges listed below are subject to change. The ranges that appear on your IDEXX VetLab™ Station integrated report always reflect the current reference ranges.
- Due to differences in methodologies, in-house chemistry analyzer reference ranges may differ from reference laboratory chemistry reference ranges.

	Feline—Kitten			
Chemistries	**U.S. Units**		**S.I. Units**	
ALB	2.2–3.9	g/dL	22–39	g/L
ALKP	14–192	U/L	14–192	U/L
ALT	12–115	U/L	12–115	U/L
AMYL	500–1400	U/L	500–1400	U/L
AST	0–32	U/L	0–32	U/L
BUN/UREA	16–33	mg/dL	5.7–11.8	mmol/L
Ca	7.9–11.3	mg/dL	1.98–2.83	mmol/L
CHOL	62–191	mg/dL	1.60–4.94	mmol/L
CK	0–394	U/L	0–394	U/L
CREA	0.6–1.6	mg/dL	53–141	µmol/L
FRU	191–349	µmol/L	191–349	µmol/L
GGT	0–1	U/L	0–1	U/L
GLOB	2.8–4.8	g/dL	28–48	g/L
GLU	77–153	mg/dL	4.28–8.50	mmol/L
LAC	0.60–2.50	mmol/L	0.60–2.50	mmol/L
LDH	0–1128	U/L	0–1128	U/L
LIPA	40–500	U/L	40–500	U/L
Mg	1.62–2.23	mg/dL	0.68–0.93	mmol/L
NH_3	0–95	µmol/L	0–95	µmol/L
PHOS	4.5–10.4	mg/dL	1.45–3.35	mmol/L
PL	0–4.4	U/L	0–4.4	U/L
proBNP	0–100	pmol/L	0–100	pmol/L
SDMA	0–14	µg/dL	0–14	µg/dL
TBIL	0.0–0.9	mg/dL	0–15	µmol/L
TP	5.2–8.2	g/dL	52–82	g/L
TRIG	8–54	mg/dL	0.09–0.61	mmol/L
TT_4	0.8–4.7	µg/dL	10.0–60.0	nmol/L
URIC	0.0–1.0	mg/dL	0–60	mmol/L
Na^+	150–165	mmol/L	150–165	mmol/L
K^+	3.7–5.9	mmol/L	3.7–5.9	mmol/L
Cl^-	115–126	mmol/L	115–126	mmol/L

Reference Ranges for the Catalyst One™ Chemistry Analyzer and Catalyst Dx™ Chemistry Analyzer

Notes:

- The reference ranges listed below are subject to change. The ranges that appear on your IDEXX VetLab™ Station integrated report always reflect the current reference ranges.
- Due to differences in methodologies, in-house chemistry analyzer reference ranges may differ from reference laboratory chemistry reference ranges.

	Feline—Adult			
Chemistries	**U.S. Units**		**S.I. Units**	
ALB	2.2–4.0	g/dL	22–40	g/L
ALKP	14–111	U/L	14–111	U/L
ALT	12–130	U/L	12–130	U/L
AMYL	500–1500	U/L	500–1500	U/L
AST	0–48	U/L	0–48	U/L
BUN/UREA	16–36	mg/dL	5.7–12.9	mmol/L
Ca	7.8–11.3	mg/dL	1.95–2.83	mmol/L
CHOL	65–225	mg/dL	1.68–5.81	mmol/L
CK	0–314	U/L	0–314	U/L
CREA	0.8–2.4	mg/dL	71–212	µmol/L
FRU	191–349	µmol/L	191–349	µmol/L
GGT	0–4	U/L	0–4	U/L
GLOB	2.8–5.1	g/dL	28–51	g/L
GLU	74–159	mg/dL	4.11–8.83	mmol/L
LAC	0.60–2.50	mmol/L	0.60–2.50	mmol/L
LDH	0–798	U/L	0–798	U/L
LIPA	100–1400	U/L	100–1400	U/L
Mg	1.50–3.00	mg/dL	0.63–1.25	mmol/L
NH_3	0–95	µmol/L	0–95	µmol/L
PHOS	3.1–7.5	mg/dL	1.00–2.42	mmol/L
PL	0–4.4	U/L	0–4.4	U/L
proBNP	0–100	pmol/L	0–100	pmol/L
SDMA	0–14	µg/dL	0–14	µg/dL
TBIL	0.0–0.9	mg/dL	0–15	µmol/L
TP	5.7–8.9	g/dL	57–89	g/L
TRIG	10–100	mg/dL	0.11–1.13	mmol/L
TT_4	0.8–4.7	µg/dL	10.0–60.0	nmol/L
URIC	0.0–1.0	mg/dL	0–60	mmol/L
Na^+	150–165	mmol/L	150–165	mmol/L
K^+	3.5–5.8	mmol/L	3.5–5.8	mmol/L
Cl^-	112–129	mmol/L	112–129	mmol/L

Reference Ranges for the Catalyst One™ Chemistry Analyzer and Catalyst Dx™ Chemistry Analyzer

Notes:

- The reference ranges listed below are subject to change. The ranges that appear on your IDEXX VetLab™ Station integrated report always reflect the current reference ranges.
- Due to differences in methodologies, in-house chemistry analyzer reference ranges may differ from reference laboratory chemistry reference ranges.

	Feline—Geriatric			
Chemistries	**U.S. Units**		**S.I. Units**	
ALB	2.3–3.9	g/dL	23–39	g/L
ALKP	14–111	U/L	14–111	U/L
ALT	12–130	U/L	12–130	U/L
AMYL	500–1500	U/L	500–1500	U/L
AST	0–48	U/L	0–48	U/L
BUN/UREA	16–36	mg/dL	5.7–12.9	mmol/L
Ca	7.8–11.3	mg/dL	1.95–2.83	mmol/L
CHOL	65–225	mg/dL	1.68–5.81	mmol/L
CK	0–314	U/L	0–314	U/L
CREA	0.8–2.4	mg/dL	71–212	µmol/L
FRU	191–349	µmol/L	191–349	µmol/L
GGT	0–4	U/L	0–4	U/L
GLOB	2.8–5.1	g/dL	28–51	g/L
GLU	71–159	mg/dL	3.94–8.83	mmol/L
LAC	0.60–2.50	mmol/L	0.60–2.50	mmol/L
LDH	0–798	U/L	0–798	U/L
LIPA	100–1400	U/L	100–1400	U/L
Mg	1.50–3.00	mg/dL	0.63–1.25	mmol/L
NH_3	0–95	µmol/L	0–95	µmol/L
PHOS	3.1–7.5	mg/dL	1.00–2.42	mmol/L
PL	0–4.4	U/L	0–4.4	U/L
proBNP	0–100	pmol/L	0–100	pmol/L
SDMA	0–14	µg/dL	0–14	µg/dL
TBIL	0.0–0.9	mg/dL	0–15	µmol/L
TP	5.7–8.9	g/dL	57–89	g/L
TRIG	10–100	mg/dL	0.11–1.13	mmol/L
URIC	0.0–1.0	mg/dL	0–60	mmol/L
TT_4	0.8–4.7	µg/dL	10.0–60.0	nmol/L
Na^+	150–165	mmol/L	150–165	mmol/L
K^+	3.5–5.8	mmol/L	3.5–5.8	mmol/L
Cl^-	112–129	mmol/L	112–129	mmol/L

Reference Ranges for the Catalyst One™ Chemistry Analyzer and Catalyst Dx™ Chemistry Analyzer

Notes:

- The reference ranges listed below are subject to change. The ranges that appear on your IDEXX VetLab™ Station integrated report always reflect the current reference ranges.
- Due to differences in methodologies, in-house chemistry analyzer reference ranges may differ from reference laboratory chemistry reference ranges.

	Equine—Foal			
Chemistries	**U.S. Units**		**S.I. Units**	
ALB	3.0–4.0	g/dL	30–40	g/L
ALKP	505–4667	U/L	505–4667	U/L
ALT	0–14	U/L	0–14	U/L
AMYL	0–10	U/L	0–10	U/L
AST	0–228	U/L	0–228	U/L
BUN/UREA	6–27	mg/dL	2.0–9.6	mmol/L
Ca	9.4–11.8	mg/dL	2.34–2.96	mmol/L
CHOL	78–458	mg/dL	2.02–11.83	mmol/L
CK	21–473	U/L	21–473	U/L
CREA	0.9–1.7	mg/dL	75–150	µmol/L
GGT	0–71	U/L	0–71	U/L
GLOB	1.8–3.6	g/dL	1.8–3.6	g/L
GLU	109–268	mg/dL	6.05–14.88	mmol/L
LAC	0.50–1.78	mmol/L	0.50–1.78	mmol/L
LDH	0–1830	U/L	0–1830	U/L
LIPA	200–1300	U/L	200–1300	U/L
Mg	1.39–2.88	mg/dL	0.58–1.20	mmol/L
NH_3	0–90	µmol/L	0–90	µmol/L
PHOS	4.0–7.1	mg/dL	1.29–2.29	mmol/L
TBIL	0.0–4.1	mg/dL	0–69	µmol/L
TP	4.7–7.2	g/dL	47–72	g/L
TRIG	4–166	mg/dL	0.05–1.87	mmol/L
Na^+	132–146	mmol/L	132–146	mmol/L
K^+	2.4–4.7	mmol/L	2.4–4.7	mmol/L
Cl^-	97–108	mmol/L	97–108	mmol/L

Reference Ranges for the Catalyst One™ Chemistry Analyzer and Catalyst Dx™ Chemistry Analyzer

Notes:

- The reference ranges listed below are subject to change. The ranges that appear on your IDEXX VetLab™ Station integrated report always reflect the current reference ranges.
- Due to differences in methodologies, in-house chemistry analyzer reference ranges may differ from reference laboratory chemistry reference ranges.

	Equine—Yearling			
Chemistries	**U.S. Units**		**S.I. Units**	
ALB	3.8–4.7	g/dL	38–47	g/L
ALKP	10–469	U/L	10–469	U/L
ALT	5–30	U/L	5–30	U/L
AMYL	0–9	U/L	0–9	U/L
AST	0–317	U/L	0–317	U/L
BUN/UREA	11–22	mg/dL	4.1–8.0	mmol/L
Ca	9.9–12.4	mg/dL	2.48–3.11	mmol/L
CHOL	53–113	mg/dL	1.37–2.92	mmol/L
CK	0–354	U/L	0–354	U/L
CREA	0.4–1.8	mg/dL	35–157	µmol/L
GGT	0–50	U/L	0–50	U/L
GLOB	2.4–4.0	g/dL	24–40	g/L
GLU	58–167	mg/dL	3.21–9.29	mmol/L
LAC	0.50–1.78	mmol/L	0.50–1.78	mmol/L
LDH	0–1337	U/L	0–1337	U/L
LIPA	400–1000	U/L	400–1000	U/L
Mg	1.55–2.09	mg/dL	0.65–0.87	mmol/L
NH_3	0–90	µmol/L	0–90	µmol/L
PHOS	4.4–6.3	mg/dL	1.41–2.03	mmol/L
TBIL	0.0–2.5	mg/dL	0–42	µmol/L
TP	5.2–8.5	g/dL	52–85	g/L
TRIG	19–52	mg/dL	0.21–0.59	mmol/L
Na^+	132–146	mmol/L	132–146	mmol/L
K^+	2.4–4.7	mmol/L	2.4–4.7	mmol/L
Cl^-	97–108	mmol/L	97–108	mmol/L

Reference Ranges for the Catalyst One™ Chemistry Analyzer and Catalyst Dx™ Chemistry Analyzer

Notes:

- The reference ranges listed below are subject to change. The ranges that appear on your IDEXX VetLab™ Station integrated report always reflect the current reference ranges.
- Due to differences in methodologies, in-house chemistry analyzer reference ranges may differ from reference laboratory chemistry reference ranges.

Equine—Adult				
Chemistries	**U.S. Units**		**S.I. Units**	
ALB	1.9–3.2	g/dL	19–32	g/L
ALKP	10–326	U/L	10–326	U/L
ALT	5–50	U/L	5–50	U/L
AMYL	0–35	U/L	0–35	U/L
AST	100–600	U/L	100–600	U/L
BUN/UREA	10–25	mg/dL	3.6–8.9	mmol/L
Ca	10.4–12.9	mg/dL	2.60–3.23	mmol/L
CHOL	50–110	mg/dL	1.29–2.84	mmol/L
CK	10–350	U/L	10–350	U/L
CREA	0.8–2.2	mg/dL	71–194	µmol/L
GGT	0–87	U/L	0–87	U/L
GLOB	2.4–4.7	g/dL	24–47	g/L
GLU	64–150	mg/dL	3.56–8.33	mmol/L
LAC	0.50–1.78	mmol/L	0.50–1.78	mmol/L
LDH	250–2070	U/L	250–2070	U/L
LIPA	400–1000	U/L	400–1000	U/L
Mg	1.70–2.43	mg/dL	0.71–1.01	mmol/L
NH_3	0–90	µmol/L	0–90	µmol/L
PHOS	1.8–5.6	mg/dL	0.58–1.81	mmol/L
TBIL	0.0–3.5	mg/dL	0–60	µmol/L
TP	5.6–7.9	g/dL	56–79	g/L
TRIG	11–68	mg/dL	0.13–0.76	mmol/L
Na^+	133–150	mmol/L	133–150	mmol/L
K^+	3.0–5.3	mmol/L	3.0–5.3	mmol/L
Cl^-	97–109	mmol/L	97–109	mmol/L

Reference Ranges for the Catalyst One™ Chemistry Analyzer and Catalyst Dx™ Chemistry Analyzer

Notes:

- The reference ranges listed below are subject to change. The ranges that appear on your IDEXX VetLab™ Station integrated report always reflect the current reference ranges.
- Due to differences in methodologies, in-house chemistry analyzer reference ranges may differ from reference laboratory chemistry reference ranges.

	Equine—Brood Mare			
Chemistries	**U.S. Units**		**S.I. Units**	
ALB	4.0–4.9	g/dL	40–49	g/L
ALKP	10–565	U/L	10–565	U/L
ALT	0–20	U/L	0–20	U/L
AMYL	0–8	U/L	0–8	U/L
AST	0–333	U/L	0–333	U/L
BUN/UREA	11–29	mg/dL	3.9–10.2	mmol/L
Ca	10.0–12.6	mg/dL	2.50–3.15	mmol/L
CHOL	50–96	mg/dL	1.28–2.48	mmol/L
CK	0–504	U/L	0–504	U/L
CREA	0.6–1.7	mg/dL	56–149	µmol/L
GGT	0–68	U/L	0–68	U/L
GLOB	3.0–4.7	g/dL	30–47	g/L
GLU	46–137	mg/dL	2.53–7.59	mmol/L
LAC	0.50–1.78	mmol/L	0.50–1.78	mmol/L
LDH	0–1909	U/L	0–1909	U/L
LIPA	400–1000	U/L	400–1000	U/L
Mg	1.38–3.02	mg/dL	0.58–1.26	mmol/L
NH_3	0–90	µmol/L	0–90	µmol/L
PHOS	3.1–11.2	mg/dL	1.00–3.61	mmol/L
TBIL	0.0–2.1	mg/dL	0–36	µmol/L
TP	5.0–9.0	g/dL	50–90	g/L
TRIG	6–80	mg/dL	0.07–0.90	mmol/L
Na^+	132–146	mmol/L	132–146	mmol/L
K^+	2.4–4.7	mmol/L	2.4–4.7	mmol/L
Cl^-	97–108	mmol/L	97–108	mmol/L

Reference Ranges for the Catalyst One™ Chemistry Analyzer and Catalyst Dx™ Chemistry Analyzer

Notes:

- The reference ranges listed below are subject to change. The ranges that appear on your IDEXX VetLab™ Station integrated report always reflect the current reference ranges.
- Due to differences in methodologies, in-house chemistry analyzer reference ranges may differ from reference laboratory chemistry reference ranges.

	Amazon Blue Parrot†			
Chemistries	**U.S. Units**		**S.I. Units**	
ALB	0.7–1.7	g/dL	7–17	g/L
ALKP	15–109	U/L	15–109	U/L
ALT	0–19	U/L	0–19	U/L
AMYL	402–882	U/L	402–882	U/L
AST	73–160	U/L	73–160	U/L
BUN/UREA	1–3	mg/dL	0.2–1.1	mmol/L
Ca	8.1–11.3	mg/dL	2.03–2.83	mmol/L
CHOL	210–471	mg/dL	5.43–12.17	mmol/L
CK	97–450	U/L	97–450	U/L
CREA	0.0–0.1	mg/dL	0–9	µmol/L
GGT	1–12	U/L	1–12	U/L
GLU	232–296	mg/dL	12.87–16.46	mmol/L
LDH	178–395	U/L	178–395	U/L
LIPA	85–204	U/L	85–204	U/L
Mg	3.19–3.84	mg/dL	1.33–1.60	mmol/L
NH_3	166–585	µmol/L	166–585	µmol/L
PHOS	2.0–4.0	mg/dL	0.65–1.30	mmol/L
TP	3.7–5.0	g/dL	37–50	g/L
TRIG	102–264	mg/dL	1.15–2.98	mmol/L
URIC	1.3–5.7	mg/dL	77–339	mmol/L

†Reference ranges are provisional.

Reference Ranges for the Catalyst One™ Chemistry Analyzer and Catalyst Dx™ Chemistry Analyzer

Notes:

- The reference ranges listed below are subject to change. The ranges that appear on your IDEXX VetLab™ Station integrated report always reflect the current reference ranges.
- Due to differences in methodologies, in-house chemistry analyzer reference ranges may differ from reference laboratory chemistry reference ranges.

	Amazon Yellow Parrot†			
Chemistries	**U.S. Units**		**S.I. Units**	
ALB	0.7–1.3	g/dL	7–13	g/L
ALKP	31–198	U/L	31–198	U/L
ALT	0–7	U/L	0–7	U/L
AMYL	264–798	U/L	264–798	U/L
AST	67–151	U/L	67–151	U/L
BUN/UREA	1–3	mg/dL	0.2–1.0	mmol/L
Ca	7.7–10.5	mg/dL	1.94–2.63	mmol/L
CHOL	140–317	mg/dL	3.63–8.18	mmol/L
CK	98–646	U/L	98–646	U/L
CREA	0.0–0.1	mg/dL	0–10	µmol/L
GGT	2–19	U/L	2–19	U/L
GLU	220–295	mg/dL	12.22–16.40	mmol/L
LDH	160–427	U/L	160–427	U/L
LIPA	75–276	U/L	75–276	U/L
Mg	2.26–3.74	mg/dL	0.94–1.56	mmol/L
NH_3	138–444	µmol/L	138–444	µmol/L
PHOS	1.1–3.3	mg/dL	0.34–1.06	mmol/L
TBIL	0.0–0.1	mg/dL	0–2	µmol/L
TP	3.4–4.6	g/dL	34–46	g/L
TRIG	91–215	mg/dL	1.03–2.43	mmol/L
URIC	0.6–6.1	mg/dL	36–363	mmol/L

†Reference ranges are provisional.

Reference Ranges for the Catalyst One™ Chemistry Analyzer and Catalyst Dx™ Chemistry Analyzer

Notes:

- The reference ranges listed below are subject to change. The ranges that appear on your IDEXX VetLab™ Station integrated report always reflect the current reference ranges.
- Due to differences in methodologies, in-house chemistry analyzer reference ranges may differ from reference laboratory chemistry reference ranges.

	African Grey Parrot†			
Chemistries	**U.S. Units**		**S.I. Units**	
ALB	0.8–4.9	g/dL	8–49	g/L
ALKP	24–94	U/L	24–94	U/L
ALT	2–21	U/L	2–21	U/L
AMYL	211–519	U/L	211–519	U/L
AST	28–200	U/L	28–200	U/L
BUN/UREA	1–124	mg/dL	0.2–44.3	mmol/L
Ca	7.0–9.5	mg/dL	1.75–2.38	mmol/L
CHOL	217–330	mg/dL	5.61–8.53	mmol/L
CK	71–408	U/L	71–408	U/L
CREA	0.1–0.4	mg/dL	9–35	µmol/L
GGT	0–900	U/L	0–900	U/L
GLOB	2.1–3.2	g/dL	21–32	g/L
GLU	224–308	mg/dL	12.45–17.11	mmol/L
LDH	105–420	U/L	105–420	U/L
LIPA	0–1250	U/L	0–1250	U/L
Mg	0.00–3.84	mg/dL	0.00–1.60	mmol/L
NH_3	0–809	µmol/L	0–809	µmol/L
PHOS	1.0–5.2	mg/dL	0.32–1.68	mmol/L
TBIL	0.0–26.8	mg/dL	0–458	µmol/L
TP	2.6–4.9	g/dL	26–49	g/L
TRIG	51–140	mg/dL	0.58–1.58	mmol/L
URIC	3.1–7.0	mg/dL	184–417	mmol/L

†Reference ranges are provisional.

Reference Ranges for the Catalyst One™ Chemistry Analyzer and Catalyst Dx™ Chemistry Analyzer

Notes:

- The reference ranges listed below are subject to change. The ranges that appear on your IDEXX VetLab™ Station integrated report always reflect the current reference ranges.
- Due to differences in methodologies, in-house chemistry analyzer reference ranges may differ from reference laboratory chemistry reference ranges.

	Beef Cattle			
Chemistries	**U.S. Units**		**S.I. Units**	
ALB	2.5–3.6	g/dL	25–36	g/L
ALKP	10–149	U/L	10–149	U/L
AMYL	0–28	U/L	0–28	U/L
AST	0–91	U/L	0–91	U/L
BUN/UREA	7–17	mg/dL	2.5–6.1	mmol/L
Ca	7.8–10.5	mg/dL	1.95–2.62	mmol/L
CHOL	76–227	mg/dL	1.96–5.86	mmol/L
CK	0–110	U/L	0–110	U/L
CREA	0.0–2.0	mg/dL	0–172	µmol/L
GGT	0–80	U/L	0–80	U/L
GLOB	2.7–3.8	g/dL	27–38	g/L
GLU	46–93	mg/dL	2.56–5.18	mmol/L
LIPA	30–400	U/L	30–400	U/L
Mg	1.26–2.40	mg/dL	0.53–1.00	mmol/L
NH_3	0–90	µmol/L	0–90	µmol/L
PHOS	4.3–7.9	mg/dL	1.38–2.55	mmol/L
TBIL	0.0–0.7	mg/dL	0–12	µmol/L
TP	5.8–8.0	g/dL	58–80	g/L
TRIG	0–8	mg/dL	0.00–0.09	mmol/L

Reference Ranges for the Catalyst One™ Chemistry Analyzer and Catalyst Dx™ Chemistry Analyzer

Notes:

- The reference ranges listed below are subject to change. The ranges that appear on your IDEXX VetLab™ Station integrated report always reflect the current reference ranges.
- Due to differences in methodologies, in-house chemistry analyzer reference ranges may differ from reference laboratory chemistry reference ranges.

	Dairy Cow			
Chemistries	**U.S. Units**		**S.I. Units**	
ALB	2.5–3.5	g/dL	25–35	g/L
ALKP	28–233	U/L	28–233	U/L
AMYL	0–34	U/L	0–34	U/L
AST	50–150	U/L	50–150	U/L
BUN/UREA	10–25	mg/dL	3.6–9.0	mmol/L
Ca	8.0–12.0	mg/dL	2.00–3.00	mmol/L
CHOL	45–200	mg/dL	1.16–5.17	mmol/L
CK	50–350	U/L	50–350	U/L
CREA	0.5–1.6	mg/dL	44–141	µmol/L
GGT	0–87	U/L	0–87	U/L
GLOB	3.0–4.9	g/dL	30–49	g/L
GLU	56–88	mg/dL	3.11–4.89	mmol/L
LIPA	30–200	U/L	30–200	U/L
Mg	1.80–3.00	mg/dL	0.75–1.25	mmol/L
NH_3	0–90	µmol/L	0–90	µmol/L
PHOS	4.0–8.6	mg/dL	1.29–2.77	mmol/L
TBIL	0.0–0.7	mg/dL	0–12	µmol/L
TP	6.2–8.0	g/dL	62–80	g/L
TRIG	0–8	mg/dL	0.00–0.10	mmol/L

Reference Ranges for the Catalyst One™ Chemistry Analyzer and Catalyst Dx™ Chemistry Analyzer

Notes:

- The reference ranges listed below are subject to change. The ranges that appear on your IDEXX VetLab™ Station integrated report always reflect the current reference ranges.
- Due to differences in methodologies, in-house chemistry analyzer reference ranges may differ from reference laboratory chemistry reference ranges.

	Budgerigar†			
Chemistries	**U.S. Units**		**S.I. Units**	
ALB	0.6–2.6	g/dL	6–26	g/L
ALKP	10–300	U/L	10–300	U/L
ALT	4–98	U/L	4–98	U/L
AMYL	250–2000	U/L	250–2000	U/L
AST	30–400	U/L	30–400	U/L
BUN/UREA	0–12	mg/dL	0.1–4.3	mmol/L
Ca	4.5–12.5	mg/dL	1.13–3.13	mmol/L
CHOL	19–300	mg/dL	0.49–7.75	mmol/L
CK	50–2000	U/L	50–2000	U/L
CREA	0.1–0.7	mg/dL	9–62	µmol/L
GLOB	2.0–3.5	g/dL	20–35	g/L
GLU	100–400	mg/dL	5.56–22.22	mmol/L
LDH	80–900	U/L	80–900	U/L
PHOS	1.9–4.9	mg/dL	0.61–1.58	mmol/L
TBIL	0.0–0.7	mg/dL	0–12	µmol/L
TP	2.2–5.7	g/dL	22–57	g/L
URIC	2.0–11.2	mg/dL	119–666	mmol/L

†Reference ranges are provisional.

Reference Ranges for the Catalyst One™ Chemistry Analyzer and Catalyst Dx™ Chemistry Analyzer

Notes:

- The reference ranges listed below are subject to change. The ranges that appear on your IDEXX VetLab™ Station integrated report always reflect the current reference ranges.
- Due to differences in methodologies, in-house chemistry analyzer reference ranges may differ from reference laboratory chemistry reference ranges.

	Canary†			
Chemistries	**U.S. Units**		**S.I. Units**	
ALB	0.8–4.9	g/dL	8–49	g/L
ALKP	0–3000	U/L	0–3000	U/L
ALT	0–668	U/L	0–668	U/L
AMYL	0–2500	U/L	0–2500	U/L
AST	150–350	U/L	150–350	U/L
BUN/UREA	1–124	mg/dL	0.2–44.3	mmol/L
Ca	2.9–15.1	mg/dL	0.73–3.78	mmol/L
CHOL	5–485	mg/dL	0.13–12.53	mmol/L
CK	0–2015	U/L	0–2015	U/L
CREA	0.1–0.4	mg/dL	9–35	µmol/L
GGT	0–900	U/L	0–900	U/L
GLOB	2.1–3.2	g/dL	21–32	g/L
GLU	200–450	mg/dL	11.11–25.00	mmol/L
LDH	0–686	U/L	0–686	U/L
LIPA	0–1250	U/L	0–1250	U/L
Mg	0.00–3.84	mg/dL	0.00–1.60	mmol/L
NH_3	0–809	µmol/L	0–809	µmol/L
PHOS	0.4–13.8	mg/dL	0.13–4.45	mmol/L
TBIL	0.0–26.8	mg/dL	0–458	µmol/L
TP	3.0–5.0	g/dL	30–50	g/L
TRIG	0–375	mg/dL	0.00–4.23	mmol/L
URIC	4.0–12.0	mg/dL	238–714	mmol/L

†Reference ranges are provisional.

Reference Ranges for the Catalyst One™ Chemistry Analyzer and Catalyst Dx™ Chemistry Analyzer

Notes:

- The reference ranges listed below are subject to change. The ranges that appear on your IDEXX VetLab™ Station integrated report always reflect the current reference ranges.
- Due to differences in methodologies, in-house chemistry analyzer reference ranges may differ from reference laboratory chemistry reference ranges.

	Moluccan Cockatoo†			
Chemistries	**U.S. Units**		**S.I. Units**	
ALB	1.0–2.9	g/dL	10–29	g/L
ALKP	40–160	U/L	40–160	U/L
ALT	0–8	U/L	0–8	U/L
AMYL	414–972	U/L	414–972	U/L
AST	53–140	U/L	53–140	U/L
BUN/UREA	1–4	mg/dL	0.2–1.4	mmol/L
Ca	7.5–12.2	mg/dL	1.87–3.04	mmol/L
CHOL	131–338	mg/dL	3.39–8.73	mmol/L
CK	60–606	U/L	60–606	U/L
CREA	0.1–0.6	mg/dL	9–50	µmol/L
GGT	0–1	U/L	0–1	U/L
GLU	189–261	mg/dL	10.48–14.52	mmol/L
LDH	518–1785	U/L	518–1785	U/L
LIPA	60–147	U/L	60–147	U/L
Mg	1.70–3.46	mg/dL	0.71–1.44	mmol/L
NH_3	69–271	µmol/L	69–271	µmol/L
PHOS	1.7–5.0	mg/dL	0.55–1.60	mmol/L
TBIL	0.0–0.2	mg/dL	0–4	µmol/L
TP	3.6–5.5	g/dL	36–55	g/L
TRIG	105–294	mg/dL	1.19–3.32	mmol/L
URIC	2.6–12.8	mg/dL	155–762	mmol/L

†Reference ranges are provisional.

Reference Ranges for the Catalyst One™ Chemistry Analyzer and Catalyst Dx™ Chemistry Analyzer

Notes:

- The reference ranges listed below are subject to change. The ranges that appear on your IDEXX VetLab™ Station integrated report always reflect the current reference ranges.
- Due to differences in methodologies, in-house chemistry analyzer reference ranges may differ from reference laboratory chemistry reference ranges.

	Cockatiel†			
Chemistries	**U.S. Units**		**S.I. Units**	
ALB	0.8–4.9	g/dL	8–49	g/L
ALKP	0–3000	U/L	0–3000	U/L
ALT	0–668	U/L	0–668	U/L
AMYL	0–2500	U/L	0–2500	U/L
AST	100–350	U/L	100–350	U/L
BUN/UREA	1–124	mg/dL	0.2–44.3	mmol/L
Ca	8.5–13.0	mg/dL	2.13–3.25	mmol/L
CHOL	5–485	mg/dL	0.13–12.53	mmol/L
CK	100–300	U/L	100–300	U/L
CREA	0.1–0.4	mg/dL	9–35	µmol/L
GGT	0–900	U/L	0–900	U/L
GLOB	2.1–3.2	g/dL	21–32	g/L
GLU	200–450	mg/dL	11.11–25.00	mmol/L
LDH	125–450	U/L	125–450	U/L
LIPA	0–1250	U/L	0–1250	U/L
Mg	0.00–3.84	mg/dL	0.00–1.60	mmol/L
NH_3	0–809	µmol/L	0–809	µmol/L
PHOS	0.4–13.8	mg/dL	0.13–4.45	mmol/L
TBIL	0.0–26.8	mg/dL	0–458	µmol/L
TP	2.2–5.0	g/dL	22–50	g/L
TRIG	0–375	mg/dL	0.00–4.23	mmol/L
URIC	3.5–11.0	mg/dL	208–655	mmol/L

†Reference ranges are provisional.

Reference Ranges for the Catalyst One™ Chemistry Analyzer and Catalyst Dx™ Chemistry Analyzer

Notes:

- The reference ranges listed below are subject to change. The ranges that appear on your IDEXX VetLab™ Station integrated report always reflect the current reference ranges.
- Due to differences in methodologies, in-house chemistry analyzer reference ranges may differ from reference laboratory chemistry reference ranges.

	Conure[†]			
Chemistries	**U.S. Units**		**S.I. Units**	
ALB	0.8–4.9	g/dL	8–49	g/L
ALKP	0–3000	U/L	0–3000	U/L
ALT	0–668	U/L	0–668	U/L
AMYL	0–2500	U/L	0–2500	U/L
AST	125–350	U/L	125–350	U/L
BUN/UREA	1–124	mg/dL	0.2–44.3	mmol/L
Ca	8.0–15.0	mg/dL	2.00–3.75	mmol/L
CHOL	5–485	mg/dL	0.13–12.53	mmol/L
CK	100–300	U/L	100–300	U/L
CREA	0.1–0.5	mg/dL	9–44	µmol/L
GGT	0–900	U/L	0–900	U/L
GLOB	2.1–3.2	g/dL	21–32	g/L
GLU	200–350	mg/dL	11.11–19.45	mmol/L
LDH	125–420	U/L	125–420	U/L
LIPA	0–1250	U/L	0–1250	U/L
Mg	0.00–3.84	mg/dL	0.00–1.60	mmol/L
NH_3	0–809	µmol/L	0–809	µmol/L
PHOS	0.4–13.8	mg/dL	0.13–4.45	mmol/L
TBIL	0.0–26.8	mg/dL	0–458	µmol/L
TP	2.5–4.5	g/dL	25–45	g/L
TRIG	0–375	mg/dL	0.00–4.23	mmol/L
URIC	2.5–10.5	mg/dL	149–625	mmol/L

[†]Reference ranges are provisional.

Reference Ranges for the Catalyst One™ Chemistry Analyzer and Catalyst Dx™ Chemistry Analyzer

Notes:

- The reference ranges listed below are subject to change. The ranges that appear on your IDEXX VetLab™ Station integrated report always reflect the current reference ranges.
- Due to differences in methodologies, in-house chemistry analyzer reference ranges may differ from reference laboratory chemistry reference ranges.

	Umbrella Cockatoo[†]			
Chemistries	**U.S. Units**		**S.I. Units**	
ALB	0.9–2.7	g/dL	9–27	g/L
ALKP	30–204	U/L	30–204	U/L
ALT	2–14	U/L	2–14	U/L
AMYL	424–759	U/L	424–759	U/L
AST	84–143	U/L	84–143	U/L
BUN/UREA	1–4	mg/dL	0.2–1.4	mmol/L
Ca	8.3–11.1	mg/dL	2.08–2.78	mmol/L
CHOL	112–370	mg/dL	2.90–9.57	mmol/L
CK	112–559	U/L	112–559	U/L
CREA	0.1–0.2	mg/dL	9–21	µmol/L
GGT	0–3	U/L	0–3	U/L
GLU	193–277	mg/dL	10.70–15.39	mmol/L
LDH	445–1143	U/L	445–1143	U/L
LIPA	75–192	U/L	75–192	U/L
Mg	1.77–3.10	mg/dL	0.74–1.29	mmol/L
NH_3	103–318	µmol/L	103–318	µmol/L
PHOS	2.6–5.3	mg/dL	0.83–1.70	mmol/L
TBIL	0.0–0.3	mg/dL	0–5	µmol/L
TP	3.8–5.5	g/dL	38–55	g/L
TRIG	191–375	mg/dL	2.169–4.23	mmol/L
URIC	3.4–11.7	mg/dL	202–696	mmol/L

[†]Reference ranges are provisional.

Reference Ranges for the Catalyst One™ Chemistry Analyzer and Catalyst Dx™ Chemistry Analyzer

Notes:

- The reference ranges listed below are subject to change. The ranges that appear on your IDEXX VetLab™ Station integrated report always reflect the current reference ranges.
- Due to differences in methodologies, in-house chemistry analyzer reference ranges may differ from reference laboratory chemistry reference ranges.

	Ferret†			
Chemistries	**U.S. Units**		**S.I. Units**	
ALB	2.6–3.8	g/dL	26–38	g/L
ALKP	9–84	U/L	9–84	U/L
ALT	82–289	U/L	82–289	U/L
AST	28–120	U/L	28–120	U/L
BUN/UREA	10–45	mg/dL	3.6–16.1	mmol/L
Ca	8.0–11.8	mg/dL	2.00–2.95	mmol/L
CHOL	64–296	mg/dL	1.65–7.65	mmol/L
CREA	0.4–0.9	mg/dL	35–80	µmol/L
GLOB	1.8–3.1	g/dL	18–31	g/L
GLU	94–207	mg/dL	5.22–11.50	mmol/L
LDH	221–618	U/L	221–618	U/L
PHOS	4.8–8.9	mg/dL	1.55–2.87	mmol/L
TBIL	0.1–1.0	mg/dL	2–17	µmol/L
TP	5.2–7.3	g/dL	52–73	g/L

†Reference ranges are provisional.

Reference Ranges for the Catalyst One™ Chemistry Analyzer and Catalyst Dx™ Chemistry Analyzer

Notes:

- The reference ranges listed below are subject to change. The ranges that appear on your IDEXX VetLab™ Station integrated report always reflect the current reference ranges.
- Due to differences in methodologies, in-house chemistry analyzer reference ranges may differ from reference laboratory chemistry reference ranges.

	Goat†			
Chemistries	**U.S. Units**		**S.I. Units**	
ALB	2.8–3.8	g/dL	28–38	g/L
ALKP	75–228	U/L	75–228	U/L
ALT	23–44	U/L	23–44	U/L
AMYL	1–30	U/L	1–30	U/L
AST	122–321	U/L	122–321	U/L
BUN/UREA	10–21	mg/dL	3.6–7.5	mmol/L
Ca	8.2–9.8	mg/dL	2.05–2.45	mmol/L
CHOL	63–108	mg/dL	1.63–2.79	mmol/L
CK	28–130	U/L	28–130	U/L
CREA	0.6–1.4	mg/dL	53–124	µmol/L
GGT	60–101	U/L	60–101	U/L
GLU	54–93	mg/dL	3.00–5.17	mmol/L
LDH	811–1250	U/L	811–1250	U/L
PHOS	4.2–7.6	mg/dL	1.35–2.45	mmol/L
TBIL	0.1–0.4	mg/dL	1–6	µmol/L
TP	6.4–7.8	g/dL	64–78	g/L
TRIG	10–29	mg/dL	0.11–0.33	mmol/L

†Reference ranges are provisional.

Reference Ranges for the Catalyst One™ Chemistry Analyzer and Catalyst Dx™ Chemistry Analyzer

Notes:

- The reference ranges listed below are subject to change. The ranges that appear on your IDEXX VetLab™ Station integrated report always reflect the current reference ranges.
- Due to differences in methodologies, in-house chemistry analyzer reference ranges may differ from reference laboratory chemistry reference ranges.

	Grey-cheeked Parakeet†			
Chemistries	**U.S. Units**		**S.I. Units**	
ALB	0.8–4.9	g/dL	8–49	g/L
ALKP	0–3000	U/L	0–3000	U/L
ALT	0–668	U/L	0–668	U/L
AMYL	0–2500	U/L	0–2500	U/L
AST	150–400	U/L	150–400	U/L
BUN/UREA	1–124	mg/dL	0.2–44.3	mmol/L
Ca	2.9–15.1	mg/dL	0.73–3.78	mmol/L
CHOL	5–485	mg/dL	0.13–12.53	mmol/L
CK	100–300	U/L	100–300	U/L
CREA	0.1–0.4	mg/dL	9–35	µmol/L
GGT	0–900	U/L	0–900	U/L
GLOB	2.1–3.2	g/dL	21–32	g/L
GLU	200–350	mg/dL	11.11–19.45	mmol/L
LDH	150–450	U/L	150–450	U/L
LIPA	0–1250	U/L	0–1250	U/L
Mg	0.00–3.84	mg/dL	0.0–1.6	mmol/L
NH_3	0–809	µmol/L	0–809	µmol/L
PHOS	0.4–13.8	mg/dL	0.13–4.45	mmol/L
TBIL	0.0–26.8	mg/dL	0–458	µmol/L
TP	2.5–4.5	g/dL	25–45	g/L
TRIG	0–375	mg/dL	0.00–4.23	mmol/L
URIC	4.0–12.0	mg/dL	238–714	mmol/L

†Reference ranges are provisional.

Reference Ranges for the Catalyst One™ Chemistry Analyzer and Catalyst Dx™ Chemistry Analyzer

Notes:

- The reference ranges listed below are subject to change. The ranges that appear on your IDEXX VetLab™ Station integrated report always reflect the current reference ranges.
- Due to differences in methodologies, in-house chemistry analyzer reference ranges may differ from reference laboratory chemistry reference ranges.

	Lizard†			
Chemistries	**U.S. Units**		**S.I. Units**	
ALKP	60–99	U/L	60–99	U/L
AST	5–105	U/L	5–105	U/L
BUN/UREA	1–12	mg/dL	0.4–4.3	mmol/L
Ca	7.6–10.0	mg/dL	1.90–2.50	mmol/L
CHOL	46–140	mg/dL	1.19–3.62	mmol/L
CREA	0.1–0.2	mg/dL	5–13	µmol/L
GGT	1–10	U/L	1–10	U/L
GLU	54–198	mg/dL	3.00–11.00	mmol/L
LDH	250–1000	U/L	250–1000	U/L
PHOS	1.9–5.1	mg/dL	0.61–1.65	mmol/L
TP	3.0–8.1	g/dL	30–81	g/L
TRIG	53–106	mg/dL	0.60–1.20	mmol/L
URIC	2.7–8.0	mg/dL	161–476	mmol/L

†Reference ranges are provisional.

Reference Ranges for the Catalyst One™ Chemistry Analyzer and Catalyst Dx™ Chemistry Analyzer

Notes:

- The reference ranges listed below are subject to change. The ranges that appear on your IDEXX VetLab™ Station integrated report always reflect the current reference ranges.
- Due to differences in methodologies, in-house chemistry analyzer reference ranges may differ from reference laboratory chemistry reference ranges.

	Llama			
Chemistries	**U.S. Units**		**S.I. Units**	
ALB	1.7–3.7	g/dL	17–37	g/L
ALKP	30–95	U/L	30–95	U/L
ALT	10–29	U/L	10–29	U/L
AMYL	175–1242	U/L	175–1242	U/L
AST	81–559	U/L	81–559	U/L
BUN/UREA	3–36	mg/dL	1.0–12.7	mmol/L
Ca	7.0–11.0	mg/dL	1.75–2.75	mmol/L
CHOL	7–88	mg/dL	0.18–2.27	mmol/L
CK	11–153	U/L	11–153	U/L
CREA	0.8–1.9	mg/dL	71–168	µmol/L
GGT	9–70	U/L	9–70	U/L
GLOB	2.2–4.5	g/dL	22–45	g/L
GLU	85–236	mg/dL	4.72–13.11	mmol/L
LDH	343–1348	U/L	343–1348	U/L
Mg	1.40–2.90	mg/dL	0.58–1.21	mmol/L
PHOS	1.0–11.0	mg/dL	0.32–3.55	mmol/L
TBIL	0.1–0.2	mg/dL	2–3	µmol/L
TP	3.9–7.5	g/dL	39–75	g/L

Reference Ranges for the Catalyst One™ Chemistry Analyzer and Catalyst Dx™ Chemistry Analyzer

Notes:

- The reference ranges listed below are subject to change. The ranges that appear on your IDEXX VetLab™ Station integrated report always reflect the current reference ranges.
- Due to differences in methodologies, in-house chemistry analyzer reference ranges may differ from reference laboratory chemistry reference ranges.

	Blue and Gold Macaw[†]			
Chemistries	**U.S. Units**		**S.I. Units**	
ALB	0.4–1.9	g/dL	4–19	g/L
ALKP	27–205	U/L	27–205	U/L
ALT	0–11	U/L	0–11	U/L
AMYL	295–506	U/L	295–506	U/L
AST	17–126	U/L	17–126	U/L
BUN/UREA	1–6	mg/dL	0.2–2.2	mmol/L
Ca	7.2–12.6	mg/dL	1.81–3.16	mmol/L
CHOL	83–193	mg/dL	2.13–4.99	mmol/L
CK	62–393	U/L	62–393	U/L
CREA	0.1–0.2	mg/dL	9–15	µmol/L
GGT	0–1	U/L	0–1	U/L
GLU	227–310	mg/dL	12.63–17.22	mmol/L
LDH	174–649	U/L	174–649	U/L
LIPA	142–657	U/L	142–657	U/L
Mg	2.04–3.84	mg/dL	0.85–1.60	mmol/L
NH_3	93–452	µmol/L	93–452	µmol/L
PHOS	1.6–6.8	mg/dL	0.50–2.20	mmol/L
TBIL	0.0–1.0	mg/dL	0–17	µmol/L
TP	3.7–5.2	g/dL	37–52	g/L
TRIG	86–288	mg/dL	0.97–3.25	mmol/L
URIC	0.7–13.8	mg/dL	42–821	mmol/L

[†]Reference ranges are provisional.

Reference Ranges for the Catalyst One™ Chemistry Analyzer and Catalyst Dx™ Chemistry Analyzer

Notes:

- The reference ranges listed below are subject to change. The ranges that appear on your IDEXX VetLab™ Station integrated report always reflect the current reference ranges.
- Due to differences in methodologies, in-house chemistry analyzer reference ranges may differ from reference laboratory chemistry reference ranges.

	Blue Hyacinth Macaw[†]			
Chemistries	**U.S. Units**		**S.I. Units**	
ALB	1.4–2.0	g/dL	14–20	g/L
ALKP	3–84	U/L	3–84	U/L
ALT	3–8	U/L	3–8	U/L
AMYL	283–595	U/L	283–595	U/L
AST	68–122	U/L	68–122	U/L
BUN/UREA	2–7	mg/dL	0.8–2.6	mmol/L
Ca	7.5–10.1	mg/dL	1.88–2.54	mmol/L
CHOL	70–158	mg/dL	1.80–4.09	mmol/L
CK	284–871	U/L	284–871	U/L
CREA	0.1–0.3	mg/dL	9–26	µmol/L
GGT	0–1	U/L	0–1	U/L
GLU	215–275	mg/dL	11.96–15.28	mmol/L
LDH	221–626	U/L	221–626	U/L
LIPA	272–833	U/L	272–833	U/L
Mg	1.33–2.80	mg/dL	0.55–1.17	mmol/L
NH_3	82–234	µmol/L	82–234	µmol/L
PHOS	1.6–4.9	mg/dL	0.51–1.57	mmol/L
TBIL	0.0–0.2	mg/dL	0–4	µmol/L
TP	3.9–4.6	g/dL	39–46	g/L
TRIG	84–201	mg/dL	0.95–2.27	mmol/L
URIC	3.5–19.9	mg/dL	208–1184	mmol/L

[†]Reference ranges are provisional.

Reference Ranges for the Catalyst One™ Chemistry Analyzer and Catalyst Dx™ Chemistry Analyzer

Notes:

- The reference ranges listed below are subject to change. The ranges that appear on your IDEXX VetLab™ Station integrated report always reflect the current reference ranges.
- Due to differences in methodologies, in-house chemistry analyzer reference ranges may differ from reference laboratory chemistry reference ranges.

	Monkey[†]			
Chemistries	**U.S. Units**		**S.I. Units**	
ALB	2.8–4.4	g/dL	28–44	g/L
ALKP	73–210	U/L	73–210	U/L
ALT	20–120	U/L	20–120	U/L
AMYL	149–500	U/L	149–500	U/L
AST	23–94	U/L	23–94	U/L
BUN/UREA	7–25	mg/dL	2.5–8.9	mmol/L
Ca	8.3–10.1	mg/dL	2.08–2.53	mmol/L
CHOL	73–179	mg/dL	1.89–4.63	mmol/L
CK	63–460	U/L	63–460	U/L
CREA	0.4–1.2	mg/dL	35–106	µmol/L
GGT	40–78	U/L	40–78	U/L
GLU	50–100	mg/dL	2.78–5.56	mmol/L
LDH	578–1800	U/L	578–1800	U/L
PHOS	2.4–6.5	mg/dL	0.77–2.10	mmol/L
TBIL	0.1–0.6	mg/dL	2–10	µmol/L
TP	5.9–7.6	g/dL	59–76	g/L
TRIG	31–153	mg/dL	0.35–1.73	mmol/L

[†]Reference ranges are provisional.

Reference Ranges for the Catalyst One™ Chemistry Analyzer and Catalyst Dx™ Chemistry Analyzer

Notes:

- The reference ranges listed below are subject to change. The ranges that appear on your IDEXX VetLab™ Station integrated report always reflect the current reference ranges.
- Due to differences in methodologies, in-house chemistry analyzer reference ranges may differ from reference laboratory chemistry reference ranges.

	Mouse†			
Chemistries	**U.S. Units**		**S.I. Units**	
ALB	2.5–4.8	g/dL	25–48	g/L
ALKP	62–209	U/L	62–209	U/L
ALT	28–132	U/L	28–132	U/L
AMYL	1691–3615	U/L	1691–3615	U/L
AST	59–247	U/L	59–247	U/L
BUN/UREA	18–29	mg/dL	6.4–10.4	mmol/L
Ca	5.9–9.4	mg/dL	1.48–2.35	mmol/L
CHOL	36–96	mg/dL	0.93–2.48	mmol/L
CK	68–1070	U/L	68–1070	U/L
CREA	0.2–0.8	mg/dL	18–71	µmol/L
GLU	90–192	mg/dL	5.00–10.67	mmol/L
LDH	1105–3993	U/L	1105–3993	U/L
PHOS	6.1–10.1	mg/dL	1.97–3.26	mmol/L
TBIL	0.1–0.9	mg/dL	2–15	µmol/L
TP	3.6–6.6	g/dL	36–66	g/L
TRIG	55–144	mg/dL	0.62–1.63	mmol/L
URIC	1.7–5.4	mg/dL	101–321	mmol/L

†Reference ranges are provisional.

Reference Ranges for the Catalyst One™ Chemistry Analyzer and Catalyst Dx™ Chemistry Analyzer

Notes:

- The reference ranges listed below are subject to change. The ranges that appear on your IDEXX VetLab™ Station integrated report always reflect the current reference ranges.
- Due to differences in methodologies, in-house chemistry analyzer reference ranges may differ from reference laboratory chemistry reference ranges.

	Scarlet Macaw[†]			
Chemistries	**U.S. Units**		**S.I. Units**	
ALB	0.6–2.1	g/dL	6–21	g/L
ALKP	9–74	U/L	9–74	U/L
ALT	0–7	U/L	0–7	U/L
AMYL	217–710	U/L	217–710	U/L
AST	32–95	U/L	32–95	U/L
BUN/UREA	2–10	mg/dL	0.6–3.4	mmol/L
Ca	8.1–10.7	mg/dL	2.01–2.68	mmol/L
CHOL	108–319	mg/dL	2.78–8.25	mmol/L
CK	76–406	U/L	76–406	U/L
CREA	0.10–0.13	mg/dL	9–11	µmol/L
GGT	0–1	U/L	0–1	U/L
GLU	206–292	mg/dL	11.42–16.25	mmol/L
LDH	157–684	U/L	157–684	U/L
LIPA	176–483	U/L	176–483	U/L
Mg	1.48–3.22	mg/dL	0.62–1.34	mmol/L
NH_3	66–349	µmol/L	66–349	µmol/L
PHOS	1.5–5.2	mg/dL	0.49–1.68	mmol/L
TBIL	0.0–0.3	mg/dL	0–5	µmol/L
TP	3.8–5.1	g/dL	38–51	g/L
TRIG	83–266	mg/dL	0.94–3.01	mmol/L
URIC	1.7–8.0	mg/dL	101–476	mmol/L

[†]Reference ranges are provisional.

Reference Ranges for the Catalyst One™ Chemistry Analyzer and Catalyst Dx™ Chemistry Analyzer

Notes:

- The reference ranges listed below are subject to change. The ranges that appear on your IDEXX VetLab™ Station integrated report always reflect the current reference ranges.
- Due to differences in methodologies, in-house chemistry analyzer reference ranges may differ from reference laboratory chemistry reference ranges.

	Eclectus Parrot[†]			
Chemistries	**U.S. Units**		**S.I. Units**	
ALB	0.6–1.7	g/dL	6–17	g/L
ALKP	97–668	U/L	97–668	U/L
ALT	0–17	U/L	0–17	U/L
AMYL	425–981	U/L	425–981	U/L
AST	19–159	U/L	19–159	U/L
BUN/UREA	1–3	mg/dL	0.2–0.9	mmol/L
Ca	8.0–11.9	mg/dL	2.00–2.97	mmol/L
CHOL	183–339	mg/dL	4.73–8.76	mmol/L
CK	144–418	U/L	144–418	U/L
CREA	0.1–0.2	mg/dL	9–14	µmol/L
GGT	0–1	U/L	0–1	U/L
GLU	233–392	mg/dL	12.95–21.79	mmol/L
LDH	277–957	U/L	277–957	U/L
LIPA	28–52	U/L	28–52	U/L
Mg	1.81–3.08	mg/dL	0.75–1.28	mmol/L
NH_3	89–262	µmol/L	89–262	µmol/L
PHOS	2.3–5.2	mg/dL	0.75–1.69	mmol/L
TBIL	0.0–0.1	mg/dL	0–2	µmol/L
TP	3.5–5.0	g/dL	35–50	g/L
TRIG	70–304	mg/dL	0.78–3.43	mmol/L
URIC	2.4–8.8	mg/dL	143–524	mmol/L

[†]Reference ranges are provisional.

Reference Ranges for the Catalyst One™ Chemistry Analyzer and Catalyst Dx™ Chemistry Analyzer

Notes:

- The reference ranges listed below are subject to change. The ranges that appear on your IDEXX VetLab™ Station integrated report always reflect the current reference ranges.
- Due to differences in methodologies, in-house chemistry analyzer reference ranges may differ from reference laboratory chemistry reference ranges.

	Pig[†]			
Chemistries	**U.S. Units**		**S.I. Units**	
ALB	1.8–3.3	g/dL	18–33	g/L
ALKP	92–294	U/L	92–294	U/L
ALT	9–43	U/L	9–43	U/L
AMYL	271–1198	U/L	271–1198	U/L
AST	16–65	U/L	16–65	U/L
BUN/UREA	6–30	mg/dL	2.1–10.7	mmol/L
Ca	6.5–11.4	mg/dL	1.63–2.85	mmol/L
CHOL	18–79	mg/dL	0.47–2.04	mmol/L
CK	50–3531	U/L	50–3531	U/L
CREA	0.5–2.1	mg/dL	44–186	µmol/L
GGT	16–30	U/L	16–30	U/L
GLU	85–160	mg/dL	4.72–8.89	mmol/L
LDH	575–3294	U/L	575–3294	U/L
LIPA	10–44	U/L	10–44	U/L
PHOS	3.6–9.2	mg/dL	1.16–2.97	mmol/L
TBIL	0.1–0.3	mg/dL	2–5	µmol/L
TP	6.0–8.0	g/dL	60–80	g/L
TRIG	41–83	mg/dL	0.46–0.94	mmol/L

[†]Reference ranges are provisional.

Reference Ranges for the Catalyst One™ Chemistry Analyzer and Catalyst Dx™ Chemistry Analyzer

Notes:

- The reference ranges listed below are subject to change. The ranges that appear on your IDEXX VetLab™ Station integrated report always reflect the current reference ranges.
- Due to differences in methodologies, in-house chemistry analyzer reference ranges may differ from reference laboratory chemistry reference ranges.

	Rabbit†			
Chemistries	**U.S. Units**		**S.I. Units**	
ALB	2.7–4.6	g/dL	27–46	g/L
ALKP	70–145	U/L	70–145	U/L
ALT	31–53	U/L	31–53	U/L
AST	42–98	U/L	42–98	U/L
BUN/UREA	10–24	mg/dL	3.6–8.6	mmol/L
Ca	5.6–12.0	mg/dL	1.40–3.00	mmol/L
CHOL	35–53	mg/dL	0.90–1.37	mmol/L
CREA	0.8–1.8	mg/dL	71–159	µmol/L
GLOB	1.5–2.8	g/dL	15–28	g/L
GLU	75–145	mg/dL	4.17–8.06	mmol/L
PHOS	1.2–4.9	mg/dL	0.39–1.58	mmol/L
TBIL	0.3–0.8	mg/dL	5–14	µmol/L
TP	5.5–7.2	g/dL	55–72	g/L
TRIG	124–156	mg/dL	1.40–1.76	mmol/L

†Reference ranges are provisional.

Reference Ranges for the Catalyst One™ Chemistry Analyzer and Catalyst Dx™ Chemistry Analyzer

Notes:

- The reference ranges listed below are subject to change. The ranges that appear on your IDEXX VetLab™ Station integrated report always reflect the current reference ranges.
- Due to differences in methodologies, in-house chemistry analyzer reference ranges may differ from reference laboratory chemistry reference ranges.

	Rat†			
Chemistries	**U.S. Units**		**S.I. Units**	
ALB	3.8–4.8	g/dL	38–48	g/L
ALKP	16–302	U/L	16–302	U/L
ALT	20–61	U/L	20–61	U/L
AMYL	326–2246	U/L	326–2246	U/L
AST	39–111	U/L	39–111	U/L
BUN/UREA	9–21	mg/dL	3.2–7.5	mmol/L
Ca	5.3–11.6	mg/dL	1.33–2.90	mmol/L
CHOL	20–92	mg/dL	0.52–2.38	mmol/L
CK	48–340	U/L	48–340	U/L
CREA	0.1–0.7	mg/dL	4–57	µmol/L
GGT	1–6	U/L	1–6	U/L
GLOB	1.5–2.8	g/dL	15–28	g/L
GLU	50–135	mg/dL	2.78–7.50	mmol/L
LDH	167–1428	U/L	167–1428	U/L
LIPA	10–150	U/L	10–150	U/L
PHOS	5.8–11.2	mg/dL	1.87–3.61	mmol/L
TBIL	0.1–0.7	mg/dL	2–12	µmol/L
TP	5.3–6.9	g/dL	53–69	g/L
TRIG	26–108	mg/dL	0.29–1.22	mmol/L
URIC	0.8–4.4	mg/dL	48–262	mmol/L

†Reference ranges are provisional.

Reference Ranges for the Catalyst One™ Chemistry Analyzer and Catalyst Dx™ Chemistry Analyzer

Notes:

- The reference ranges listed below are subject to change. The ranges that appear on your IDEXX VetLab™ Station integrated report always reflect the current reference ranges.
- Due to differences in methodologies, in-house chemistry analyzer reference ranges may differ from reference laboratory chemistry reference ranges.

	Sea Turtle			
Chemistries	**U.S. Units**		**S.I. Units**	
ALB	1.0–2.5	g/dL	10–25	g/L
ALKP	24–48	U/L	24–48	U/L
AST	66–315	U/L	66–315	U/L
BUN/UREA	35–110	mg/dL	12.5–39.3	mmol/L
Ca	5.0–14.0	mg/dL	1.25–3.50	mmol/L
CHOL	150–445	mg/dL	3.88–11.50	mmol/L
CREA	0.1–0.3	mg/dL	9–25	µmol/L
GLOB	2.6–4.5	g/dL	26–45	g/L
GLU	72–125	mg/dL	4.00–6.95	mmol/L
LDH	100–800	U/L	100–800	U/L
Mg	6.70–9.40	mg/dL	2.79–3.92	mmol/L
PHOS	5.5–9.5	mg/dL	1.77–3.06	mmol/L
TP	3.6–6.8	g/dL	36–68	g/L
TRIG	15–260	mg/dL	0.17–2.94	mmol/L
URIC	0.3–1.8	mg/dL	15–107	mmol/L

Reference Ranges for the Catalyst One™ Chemistry Analyzer and Catalyst Dx™ Chemistry Analyzer

Notes:

- The reference ranges listed below are subject to change. The ranges that appear on your IDEXX VetLab™ Station integrated report always reflect the current reference ranges.
- Due to differences in methodologies, in-house chemistry analyzer reference ranges may differ from reference laboratory chemistry reference ranges.

	Sheep[†]			
Chemistries	**U.S. Units**		**S.I. Units**	
ALB	2.4–3.7	g/dL	24–37	g/L
ALKP	50–228	U/L	50–228	U/L
ALT	5–17	U/L	5–17	U/L
AMYL	1–30	U/L	1–30	U/L
AST	40–96	U/L	40–96	U/L
BUN/UREA	5–20	mg/dL	1.8–7.1	mmol/L
Ca	9.1–10.8	mg/dL	2.28–2.70	mmol/L
CHOL	44–82	mg/dL	1.14–2.12	mmol/L
CK	8–100	U/L	8–100	U/L
CREA	0.6–1.5	mg/dL	53–133	µmol/L
GGT	33–55	U/L	33–55	U/L
GLOB	3.2–4.1	g/dL	32–41	g/L
GLU	50–80	mg/dL	2.78–4.44	mmol/L
LDH	504–1049	U/L	504–1049	U/L
LIPA	1–71	U/L	1–71	U/L
Mg	2.30–3.00	mg/dL	0.96–1.25	mmol/L
PHOS	4.0–8.9	mg/dL	1.29–2.87	mmol/L
TBIL	0.1–0.4	mg/dL	2–7	µmol/L
TP	5.6–7.8	g/dL	56–78	g/L
TRIG	9–30	mg/dL	0.10–0.34	mmol/L

[†]Reference ranges are provisional.

Reference Ranges for the Catalyst One™ Chemistry Analyzer and Catalyst Dx™ Chemistry Analyzer

Notes:

- The reference ranges listed below are subject to change. The ranges that appear on your IDEXX VetLab™ Station integrated report always reflect the current reference ranges.
- Due to differences in methodologies, in-house chemistry analyzer reference ranges may differ from reference laboratory chemistry reference ranges.

	Snake[†]			
Chemistries	**U.S. Units**		**S.I. Units**	
ALKP	80–145	U/L	80–145	U/L
ALT	10–260	U/L	10–260	U/L
AST	5–35	U/L	5–35	U/L
BUN/UREA	1–11	mg/dL	0.4–3.9	mmol/L
Ca	10.0–22.0	mg/dL	2.50–5.50	mmol/L
CHOL	50–139	mg/dL	1.29–3.59	mmol/L
CREA	0.1–0.5	mg/dL	9–44	µmol/L
GGT	1–15	U/L	1–15	U/L
GLU	10–108	mg/dL	0.56–6.00	mmol/L
LDH	30–600	U/L	30–600	U/L
PHOS	2.8–5.7	mg/dL	0.90–1.84	mmol/L
TP	2.9–8.0	g/dL	29–80	g/L
TRIG	53–177	mg/dL	0.60–2.00	mmol/L
URIC	1.0–10.0	mg/dL	60–595	mmol/L

[†]Reference ranges are provisional.

Reference Ranges for the Catalyst One* Chemistry Analyzer and Catalyst Dx* Chemistry Analyzer

Notes:

- The reference ranges listed below are subject to change. The ranges that appear on your IDEXX VetLab* Station integrated report always reflect the current reference ranges.
- Due to differences in methodologies, in-house chemistry analyzer reference ranges may differ from reference laboratory chemistry reference ranges.

	Tortoise†	
Chemistries	**U.S. Units**	**S.I. Units**
ALB	1.3–3.0 g/dL	13–30 g/L
ALKP	36–156 U/L	36–156 U/L
AST	14–18 U/L	14–18 U/L
BUN/UREA	19–33 mg/dL	6.8–11.8 mmol/L
Ca	10.0–14.5 mg/dL	2.50–3.63 mmol/L
CREA	0.1–0.4 mg/dL	9–35 µmol/L
GLOB	1.6–4.0 g/dL	16–40 g/L
PHOS	2.3–11.5 mg/dL	0.74–3.71 mmol/L
TBIL	0.1–0.6 mg/dL	2–10 µmol/L
TP	3.0–7.0 g/dL	30–70 g/L
URIC	1.2–2.8 mg/dL	71–167 mmol/L

†Reference ranges are provisional.

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