



Eurotrol

Your Global Reference Point for Quality Control

CueSee® VeriSTAT - Linearity Verification Material

🕒 2019/04

CLEW: A37/C37/H37/J37

Expected values for Abbott i-STAT®

All cartridge types, all cartridge lot numbers

Kit	Unit	Level 1		Level 2		Level 3		Level 4		Level 5	
		LOT	22001714	LOT	22002715	LOT	22003715	LOT	22004714	LOT	22005715
		Mean	Range	Mean	Range	Mean	Range	Mean	Range	Mean	Range
LOT	220-B720	\bar{X}	R	\bar{X}	R	\bar{X}	R	\bar{X}	R	\bar{X}	R
pH	1	6.569	6.496 - 6.643	6.965	6.888 - 7.043	7.217	7.135 - 7.300	7.630	7.541 - 7.720	7.881	7.797 - 7.965
pCO ₂	mmHg	104.9	89.2 - 120.7	84.9	72.4 - 97.5	66.2	53.4 - 78.9	39.7	29.1 - 50.3	20.2	11.5 - 28.9
	kPa	13.95	11.86 - 16.05	11.30	9.63 - 12.97	8.80	7.11 - 10.50	5.28	3.86 - 6.69	2.68	1.53 - 3.84
pO ₂	mmHg	72	51 - 93	161	134 - 189	229	185 - 274	329	269 - 388	404	341 - 467
	kPa	9.6	6.7 - 12.4	21.5	17.8 - 25.2	30.5	24.5 - 36.4	43.7	35.8 - 51.6	53.7	45.3 - 62.1
Na ⁺	mmol/L, mEq/L	107	103 - 112	122	118 - 126	141	137 - 146	155	149 - 161	170	164 - 176
K ⁺	mmol/L, mEq/L	2.5	2.1 - 2.9	3.9	3.5 - 4.3	5.4	4.9 - 5.9	6.8	6.3 - 7.3	8.3	7.7 - 8.9
iCa ⁺⁺	mmol/L	2.19	2.05 - 2.34	1.83	1.72 - 1.95	1.39	1.30 - 1.47	0.40	0.32 - 0.48	0.93	0.86 - 0.99
	mEq/L	4.4	4.1 - 4.7	3.7	3.4 - 3.9	2.8	2.6 - 2.9	0.8	0.6 - 1.0	1.9	1.7 - 2.0
	mg/dL	8.8	8.2 - 9.4	7.3	6.9 - 7.8	5.5	5.2 - 5.9	1.6	1.3 - 1.9	3.7	3.5 - 4.0
Cl ⁻	mmol/L, mEq/L	108	102 - 114	74	69 - 79	126	118 - 134	85	80 - 91	100	93 - 106
tCO ₂	mmol/L, mEq/L	15	9 - 21	22	13 - 31	29	22 - 36	40	33 - 47	39	29 - 49
Glucose/ Glu	mg/dL	619	535 - 703	486	424 - 547	292	242 - 343	179	145 - 212	24	13 - 35
	g/L	6.19	5.35 - 7.03	4.86	4.24 - 5.47	2.92	2.42 - 3.43	1.79	1.45 - 2.12	0.24	0.13 - 0.35
	mmol/L	34.4	29.7 - 39.0	26.9	23.5 - 30.3	16.2	13.4 - 19.0	9.9	8.1 - 11.8	1.3	0.7 - 1.9
Lactate/ Lac	mmol/L	15.92	13.88 - 17.96	11.78	10.27 - 13.30	6.95	5.90 - 8.00	3.78	3.00 - 4.56	0.56	0.05 - 1.07
	mg/dL	143.5	125.1 - 161.8	106.2	92.5 - 119.8	62.6	53.2 - 72.0	34.0	27.0 - 41.1	5.0	0.4 - 9.7
	g/L	1.435	1.251 - 1.618	1.062	0.925 - 1.198	0.626	0.532 - 0.720	0.340	0.270 - 0.411	0.050	0.004 - 0.097
BUN	mg/dL	90	69 - 110	73	58 - 87	58	47 - 68	33	27 - 40	7	4 - 10
Urea	mmol/L	32.0	24.6 - 39.4	26.0	20.7 - 31.2	20.5	16.9 - 24.2	11.9	9.6 - 14.3	2.5	1.4 - 3.6
	mg/dL	192	148 - 236	156	124 - 187	123	102 - 145	72	58 - 86	15	8 - 22
	g/L	1.92	1.48 - 2.36	1.56	1.24 - 1.87	1.23	1.02 - 1.45	0.72	0.58 - 0.86	0.15	0.08 - 0.22
Creatinine/ Crea	µmol/L	28	0 - 56	420	340 - 500	700	556 - 844	1162	967 - 1358	1742	1505 - 1979
	mg/dL	0.3	0.0 - 0.6	4.8	3.8 - 5.7	7.9	6.3 - 9.5	13.1	10.9 - 15.4	19.7	17.0 - 22.4
Hct ¹	%PCV	16	12 - 19	27	23 - 31	39	35 - 43	52	46 - 57	61	57 - 66
Hct ²	%PCV	16	13 - 20	28	24 - 33	40	36 - 45	54	48 - 59	64	59 - 69

Level 1

22001714

Level 2

22002715

Level 3

22003715

Level 4

22004714

Level 5

22005715

¹ K₃EDTA

² K₂EDTA

CueSee® VeriSTAT - Linearity Verification Material

Expected values for Abbott i-STAT®

CLEW: A37/C37/H37/J37



2019-04

CG4+ & G3+

LOT D

Kit		Level 1		Level 2		Level 3		Level 4		Level 5	
		LOT	22001714	LOT	22002715	LOT	22003715	LOT	22004714	LOT	22005715
LOT	220-B720	Mean	Range	Mean	Range	Mean	Range	Mean	Range	Mean	Range
	Unit	\bar{X}	R	\bar{X}	R	\bar{X}	R	\bar{X}	R	\bar{X}	R
pH	1	6.547	6.497 - 6.597	6.968	6.918 - 7.018	7.244	7.194 - 7.294	7.657	7.607 - 7.707	7.880	7.830 - 7.930
pCO ₂	mmHg	100.5	91.0 - 110.0	82.7	74.2 - 91.2	62.0	54.0 - 70.0	36.6	29.1 - 44.1	19.7	12.7 - 26.7
	kPa	13.36	12.10 - 14.62	11.00	9.87 - 12.13	8.25	7.19 - 9.31	4.86	3.86 - 5.86	2.61	1.68 - 3.54
pO ₂	mmHg	68	51 - 85	164	139 - 189	239	204 - 274	343	298 - 388	417	367 - 467
	kPa	9.0	6.7 - 11.3	21.8	18.5 - 25.2	31.7	27.1 - 36.4	45.6	39.6 - 51.6	55.4	48.8 - 62.1
Lactate/ Lac	mmol/L	15.96	13.96 - 17.96	11.77	10.27 - 13.27	6.90	5.90 - 7.90	3.81	3.06 - 4.56	0.57	0.07 - 1.07
	mg/dL	143.8	125.8 - 161.8	106.0	92.5 - 119.6	62.2	53.2 - 71.2	34.3	27.6 - 41.1	5.2	0.7 - 9.7
	g/L	1.438	1.258 - 1.618	1.060	0.925 - 1.196	0.622	0.532 - 0.712	0.343	0.276 - 0.411	0.052	0.007 - 0.097

CueSee® VeriSTAT - Linearity Verification Material

Expected values for Abbott i-STAT®

CLEW: A37/C37/H37/J37



2019-04

CG8+, EG7+, EG6+, G3+, Crea & CG4+

LOT A, K, L, M, N, W or Y

Kit LOT 220-B720		Level 1		Level 2		Level 3		Level 4		Level 5	
		LOT 22001714		LOT 22002715		LOT 22003715		LOT 22004714		LOT 22005715	
	Unit	Mean \bar{X}	Range R	Mean \bar{X}	Range R	Mean \bar{X}	Range R	Mean \bar{X}	Range R	Mean \bar{X}	Range R
pH	1	6.593	6.543 - 6.643	6.993	6.943 - 7.043	7.250	7.200 - 7.300	7.670	7.620 - 7.720	7.915	7.865 - 7.965
pCO₂	mmHg	98.7	89.2 - 108.2	80.9	72.4 - 89.4	61.4	53.4 - 69.4	36.7	29.2 - 44.2	18.5	11.5 - 25.5
	kPa	13.13	11.86 - 14.39	10.76	9.63 - 11.89	8.17	7.11 - 9.24	4.89	3.89 - 5.88	2.46	1.53 - 3.39
pO₂	mmHg	76	59 - 93	159	134 - 184	220	185 - 255	314	269 - 359	391	341 - 441
	kPa	10.1	7.9 - 12.4	21.1	17.8 - 24.4	29.2	24.5 - 33.9	41.8	35.8 - 47.8	52.0	45.3 - 58.6
Na+	mmol/L, mEq/L	107	103 - 111	122	118 - 126	142	138 - 146	156	151 - 161	171	166 - 176
K+	mmol/L, mEq/L	2.5	2.1 - 2.9	3.9	3.5 - 4.3	5.4	4.9 - 5.9	6.8	6.3 - 7.3	8.3	7.7 - 8.9
iCa⁺⁺	mmol/L	2.18	2.05 - 2.31	1.83	1.72 - 1.94	1.38	1.30 - 1.46	0.40	0.32 - 0.48	0.92	0.86 - 0.98
	mEq/L	4.4	4.1 - 4.6	3.7	3.4 - 3.9	2.8	2.6 - 2.9	0.8	0.6 - 1.0	1.8	1.7 - 2.0
	mg/dL	8.7	8.2 - 9.2	7.3	6.9 - 7.7	5.5	5.2 - 5.8	1.6	1.3 - 1.9	3.7	3.5 - 3.9
Glucose/ Glu	mg/dL	604	535 - 673	478	424 - 532	282	242 - 322	174	150 - 198	23	14 - 32
	g/L	6.04	5.35 - 6.73	4.78	4.24 - 5.32	2.82	2.42 - 3.22	1.74	1.50 - 1.98	0.23	0.14 - 0.32
	mmol/L	33.5	29.7 - 37.4	26.5	23.5 - 29.5	15.6	13.4 - 17.9	9.7	8.3 - 11.0	1.3	0.8 - 1.8
Creatinine/ Crea	μmol/L	23	0 - 51	418	340 - 496	686	556 - 816	1168	978 - 1358	1735	1505 - 1965
	mg/dL	0.3	0.0 - 0.6	4.7	3.8 - 5.6	7.8	6.3 - 9.2	13.2	11.1 - 15.4	19.6	17.0 - 22.2
Lactate/ Lac	mmol/L	15.88	13.88 - 17.88	11.80	10.30 - 13.30	7.00	6.00 - 8.00	3.75	3.00 - 4.50	0.55	0.0 - 1.05
	mg/dL	143.1	125.1 - 161.1	106.3	92.8 - 119.8	63.0	54.0 - 72.0	33.8	27.0 - 40.5	4.9	0.4 - 9.4
	g/L	1.431	1.251 - 1.611	1.063	0.928 - 1.198	0.630	0.540 - 0.720	0.338	0.270 - 0.405	0.049	0.0 - 0.094
Hct ¹	%PCV	16	13 - 19	28	25 - 31	40	37 - 43	53	49 - 57	62	58 - 66
Hct ²	%PCV	17	14 - 20	29	26 - 33	42	38 - 45	55	51 - 59	65	61 - 69

¹ K₃EDTA

² K₂EDTA

CueSee® VeriSTAT - Linearity Verification Material

Expected values for Abbott i-STAT®

CLEW: A37/C37/H37/J37



2019-04

EC8+, 6+, EC4+, E3+ & G

LOT F, H, J or K

Kit		Level 1		Level 2		Level 3		Level 4		Level 5	
		LOT 22001714		LOT 22002715		LOT 22003715		LOT 22004714		LOT 22005715	
LOT 220-B720	Unit	Mean X̄	Range R	Mean X̄	Range R	Mean X̄	Range R	Mean X̄	Range R	Mean X̄	Range R
pH	1	6.546	6.496 - 6.596	6.938	6.888 - 6.988	7.185	7.135 - 7.235	7.591	7.541 - 7.641	7.847	7.797 - 7.897
pCO ₂	mmHg	111.2	101.7 - 120.7	89.0	80.5 - 97.5	70.9	62.9 - 78.9	42.8	35.3 - 50.3	21.9	14.9 - 28.9
	kPa	14.78	13.52 - 16.05	11.84	10.71 - 12.97	9.43	8.37 - 10.50	5.69	4.70 - 6.69	2.91	1.98 - 3.84
Na+	mmol/L, mEq/L	108	104 - 112	122	118 - 126	141	137 - 145	155	150 - 160	169	164 - 174
K+	mmol/L, mEq/L	2.5	2.1 - 2.9	3.9	3.5 - 4.3	5.4	4.9 - 5.9	6.8	6.3 - 7.3	8.3	7.7 - 8.9
Cl-	mmol/L, mEq/L	108	102 - 114	74	69 - 79	126	118 - 134	85	80 - 90	100	94 - 106
Glucose/ Glu	mg/dL	617	548 - 686	491	437 - 545	303	263 - 343	188	164 - 212	26	17 - 35
	g/L	6.17	5.48 - 6.86	4.91	4.37 - 5.45	3.03	2.63 - 3.43	1.88	1.64 - 2.12	0.26	0.17 - 0.35
	mmol/L	34.2	30.4 - 38.0	27.2	24.3 - 30.2	16.8	14.6 - 19.0	10.4	9.1 - 11.8	1.4	0.9 - 1.9
BUN	mg/dL	95	80 - 110	75	63 - 87	59	50 - 68	33	27 - 39	7	4 - 10
Urea	mmol/L	34.0	28.6 - 39.4	26.9	22.6 - 31.2	21.0	17.7 - 24.2	11.7	9.6 - 13.9	2.5	1.4 - 3.5
	mg/dL	204	172 - 236	161	136 - 187	126	106 - 145	70	58 - 83	15	8 - 21
	g/L	2.04	1.72 - 2.36	1.61	1.36 - 1.87	1.26	1.06 - 1.45	0.70	0.58 - 0.83	0.15	0.08 - 0.21
Hct ¹	%PCV	16	13 - 19	27	24 - 30	40	37 - 43	52	48 - 56	62	58 - 66
Hct ²	%PCV	16	13 - 19	28	25 - 32	41	38 - 44	55	51 - 59	65	60 - 69

¹ K₃EDTA

² K₂EDTA

CueSee® VeriSTAT - Linearity Verification Material

Expected values for Abbott i-STAT®

CLEW: A37/C37/H37/J37



2019-04

CHEM8+

LOT H

Kit	Unit	Level 1		Level 2		Level 3		Level 4		Level 5	
		LOT 22001714		LOT 22002715		LOT 22003715		LOT 22004714		LOT 22005715	
		Mean X̄	Range R	Mean X̄	Range R	Mean X̄	Range R	Mean X̄	Range R	Mean X̄	Range R
LOT 220-B720											
Na+	mmol/L, mEq/L	107	103 - 111	122	118 - 126	141	137 - 145	154	149 - 159	170	165 - 175
K+	mmol/L, mEq/L	2.5	2.1 - 2.9	3.9	3.5 - 4.3	5.4	4.9 - 5.9	6.8	6.3 - 7.3	8.3	7.7 - 8.9
Cl-	mmol/L, mEq/L	108	102 - 114	74	69 - 79	126	118 - 134	86	81 - 91	99	93 - 105
iCa++	mmol/L	2.21	2.08 - 2.34	1.84	1.73 - 1.95	1.39	1.31 - 1.47	0.40	0.32 - 0.48	0.93	0.87 - 0.99
	mEq/L	4.4	4.2 - 4.7	3.7	3.5 - 3.9	2.8	2.6 - 2.9	0.8	0.6 - 1.0	1.9	1.7 - 2.0
	mg/dL	8.8	8.3 - 9.4	7.3	6.9 - 7.8	5.6	5.2 - 5.9	1.6	1.3 - 1.9	3.7	3.5 - 4.0
Glucose/ Glu	mg/dL	634	565 - 703	493	439 - 547	284	244 - 324	169	145 - 193	22	13 - 31
	g/L	6.34	5.65 - 7.03	4.93	4.39 - 5.47	2.84	2.44 - 3.24	1.69	1.45 - 1.93	0.22	0.13 - 0.31
	mmol/L	35.2	31.4 - 39.0	27.4	24.4 - 30.3	15.8	13.5 - 18.0	9.4	8.1 - 10.7	1.2	0.7 - 1.7
tCO2	mmol/L, mEq/L	15	9 - 21	22	13 - 31	29	22 - 36	40	33 - 47	39	29 - 49
Creatinine/ Crea	µmol/L	28	0 - 56	422	344 - 500	714	584 - 844	1157	967 - 1347	1749	1519 - 1979
	mg/dL	0.3	0.0 - 0.6	4.8	3.9 - 5.7	8.1	6.6 - 9.5	13.1	10.9 - 15.2	19.8	17.2 - 22.4
BUN	mg/dL	84	69 - 99	70	58 - 82	56	47 - 65	34	28 - 40	7	4 - 10
Urea	mmol/L	30.0	24.6 - 35.3	25.0	20.7 - 29.3	20.1	16.9 - 23.4	12.1	10.0 - 14.3	2.5	1.5 - 3.6
	mg/dL	180	148 - 212	150	124 - 176	121	102 - 140	73	60 - 86	15	9 - 22
	g/L	1.80	1.48 - 2.12	1.50	1.24 - 1.76	1.21	1.02 - 1.40	0.73	0.60 - 0.86	0.15	0.09 - 0.22
Hct¹	%PCV	15	12 - 18	26	23 - 29	38	35 - 41	50	46 - 54	61	57 - 65
Hct²	%PCV	16	13 - 19	27	24 - 30	39	36 - 42	53	48 - 57	63	59 - 67

¹ K₃EDTA

² K₂EDTA