



Eurotrol

Your Global Reference Point for Quality Control

CueSee® VeriSTAT - Linearity Verification Material

Expected values for Abbott i-STAT®

🕒 2020/12

CLEW: A38/C38/H38/J38

All cartridge types, all cartridge lot numbers

Kit		Level 1		Level 2		Level 3		Level 4		Level 5	
LOT 220-B904		LOT 22001901		LOT 22002851		LOT 22003902		LOT 22004851		LOT 22005902	
	Unit	Mean X̄	Range R	Mean X̄	Range R	Mean X̄	Range R	Mean X̄	Range R	Mean X̄	Range R
pH	1	6.563	6.500 - 6.625	6.950	6.874 - 7.027	7.226	7.146 - 7.306	7.640	7.551 - 7.729	7.841	7.755 - 7.928
pCO ₂	mmHg	111.7	96.3 - 127.1	88.6	75.4 - 101.8	63.6	51.9 - 75.3	36.4	26.6 - 46.3	19.9	11.0 - 28.8
	kPa	14.85	12.81 - 16.90	11.78	10.03 - 13.53	8.46	6.91 - 10.02	4.85	3.54 - 6.15	2.65	1.46 - 3.83
pO ₂	mmHg	72	53 - 92	161	132 - 190	239	196 - 282	332	276 - 389	413	350 - 475
	kPa	9.6	7.1 - 12.2	21.4	17.6 - 25.3	31.8	26.1 - 37.6	44.2	36.7 - 51.7	54.9	46.6 - 63.1
Na ⁺	mmol/L, mEq/L	107	102 - 112	121	117 - 126	142	138 - 147	154	149 - 160	171	165 - 176
K ⁺	mmol/L, mEq/L	2.5	2.1 - 2.9	3.9	3.5 - 4.3	5.5	5.0 - 6.0	6.9	6.4 - 7.4	8.4	7.8 - 9.0
iCa ⁺⁺	mmol/L	2.16	2.02 - 2.30	1.81	1.69 - 1.93	1.38	1.30 - 1.47	0.39	0.30 - 0.47	0.91	0.84 - 0.97
	mEq/L	4.3	4.0 - 4.6	3.6	3.4 - 3.9	2.8	2.6 - 2.9	0.8	0.6 - 0.9	1.8	1.7 - 1.9
	mg/dL	8.6	8.1 - 9.2	7.2	6.8 - 7.7	5.5	5.2 - 5.9	1.5	1.2 - 1.9	3.6	3.4 - 3.9
Cl ⁻	mmol/L, mEq/L	107	101 - 113	73	67 - 79	128	119 - 137	86	80 - 92	102	95 - 108
tCO ₂	mmol/L, mEq/L	16	10 - 22	23	14 - 32	28	21 - 35	40	33 - 47	39	29 - 49
Glucose/ Glu	mg/dL	615	541 - 689	484	426 - 542	292	238 - 345	179	145 - 213	24	13 - 36
	g/L	6.15	5.41 - 6.89	4.84	4.26 - 5.42	2.92	2.38 - 3.45	1.79	1.45 - 2.13	0.24	0.13 - 0.36
	mmol/L	34.1	30.0 - 38.2	26.9	23.7 - 30.1	16.2	13.2 - 19.1	9.9	8.0 - 11.8	1.3	0.7 - 2.0
Lactate/ Lac	mmol/L	15.99	13.90 - 18.07	11.68	10.14 - 13.23	7.00	5.96 - 8.05	3.85	3.09 - 4.60	0.61	0.09 - 1.13
	mg/dL	144.1	125.3 - 162.8	105.3	91.3 - 119.2	63.1	53.7 - 72.5	34.6	27.8 - 41.4	5.5	0.8 - 10.2
	g/L	1.441	1.253 - 1.628	1.053	0.913 - 1.192	0.631	0.537 - 0.725	0.346	0.278 - 0.414	0.055	0.008 - 0.102
BUN	mg/dL	95	79 - 110	78	65 - 91	61	51 - 72	35	27 - 42	6	3 - 10
Urea	mmol/L	33.9	28.3 - 39.4	27.7	23.1 - 32.3	21.9	18.2 - 25.6	12.3	9.6 - 15.0	2.3	1.1 - 3.5
	mg/dL	203	170 - 237	166	139 - 194	132	109 - 154	74	58 - 90	14	6 - 21
	g/L	2.03	1.70 - 2.37	1.66	1.39 - 1.94	1.32	1.09 - 1.54	0.74	0.58 - 0.90	0.14	0.06 - 0.21
Creatinine/ Crea	µmol/L	32	0 - 65	434	343 - 525	716	568 - 863	1171	967 - 1375	1767	1510 - 2024
	mg/dL	0.4	0.0 - 0.7	4.9	3.9 - 5.9	8.1	6.4 - 9.8	13.2	10.9 - 15.6	20.0	17.1 - 22.9
Hct ¹	%PCV	16	12 - 19	27	23 - 31	40	35 - 44	52	47 - 57	62	57 - 67
Hct ²	%PCV	16	13 - 20	28	24 - 32	41	37 - 46	54	49 - 60	65	59 - 70

Level 1

22001901

Level 2

22002851

Level 3

22003902

Level 4

22004851

Level 5

22005902

¹ K₃EDTA

² K₂EDTA

CueSee® VeriSTAT - Linearity Verification Material

Expected values for Abbott i-STAT®

CLEW: A38/C38/H38/J38



2020-12

CG4+ & G3+

LOT D

Kit		Level 1		Level 2		Level 3		Level 4		Level 5	
		LOT 22001901		LOT 22002851		LOT 22003902		LOT 22004851		LOT 22005902	
LOT 220-B904	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	6.575	6.525 - 6.625	6.977	6.927 - 7.027	7.256	7.206 - 7.306	7.676	7.626 - 7.726	7.875	7.825 - 7.925
pCO ₂	mmHg	108.5	99.0 - 118.0	84.4	75.9 - 92.9	59.9	51.9 - 67.9	34.1	26.6 - 41.6	18.9	11.9 - 25.9
	kPa	14.44	13.17 - 15.70	11.23	10.09 - 12.36	7.97	6.91 - 9.03	4.53	3.54 - 5.53	2.51	1.58 - 3.44
pO ₂	mmHg	70	53 - 87	165	140 - 190	247	212 - 282	344	299 - 389	425	375 - 475
	kPa	9.3	7.1 - 11.6	21.9	18.6 - 25.3	32.9	28.2 - 37.6	45.7	39.7 - 51.7	56.5	49.8 - 63.1
Lactate/ Lac	mmol/L	16.07	14.07 - 18.07	11.64	10.14 - 13.14	7.05	6.05 - 8.05	3.85	3.10 - 4.60	0.63	0.13 - 1.13
	mg/dL	144.8	126.8 - 162.8	104.8	91.3 - 118.4	63.5	54.5 - 72.5	34.7	27.9 - 41.4	5.7	1.2 - 10.2
	g/L	1.448	1.268 - 1.628	1.048	0.913 - 1.184	0.635	0.545 - 0.725	0.347	0.279 - 0.414	0.057	0.012 - 0.102

CueSee® VeriSTAT - Linearity Verification Material

Expected values for Abbott i-STAT®

CLEW: A38/C38/H38/J38



2020-12

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

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

Kit LOT 220-B904		Level 1		Level 2		Level 3		Level 4		Level 5	
		LOT 22001901		LOT 22002851		LOT 22003902		LOT 22004851		LOT 22005902	
		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
	Unit										
pH	1	6.575	6.525 - 6.625	6.975	6.925 - 7.025	7.255	7.205 - 7.305	7.679	7.629 - 7.729	7.878	7.828 - 7.928
pCO ₂	mmHg	105.8	96.3 - 115.3	83.9	75.4 - 92.4	61.0	53.0 - 69.0	35.2	27.7 - 42.7	18.0	11.0 - 25.0
	kPa	14.07	12.81 - 15.34	11.16	10.03 - 12.29	8.11	7.05 - 9.18	4.68	3.68 - 5.68	2.39	1.46 - 3.32
pO ₂	mmHg	75	58 - 92	157	132 - 182	231	196 - 266	321	276 - 366	400	350 - 450
	kPa	9.9	7.7 - 12.2	20.9	17.6 - 24.2	30.7	26.1 - 35.4	42.7	36.7 - 48.7	53.2	46.6 - 59.9
Na+	mmol/L, mEq/L	108	104 - 112	122	118 - 126	143	139 - 147	155	150 - 160	170	165 - 175
K+	mmol/L, mEq/L	2.5	2.1 - 2.9	3.9	3.5 - 4.3	5.5	5.0 - 6.0	6.9	6.4 - 7.4	8.4	7.8 - 9.0
iCa ⁺⁺	mmol/L	2.15	2.02 - 2.28	1.80	1.69 - 1.91	1.38	1.30 - 1.46	0.38	0.30 - 0.46	0.90	0.84 - 0.96
	mEq/L	4.3	4.0 - 4.6	3.6	3.4 - 3.8	2.8	2.6 - 2.9	0.8	0.6 - 0.9	1.8	1.7 - 1.9
	mg/dL	8.6	8.1 - 9.1	7.2	6.8 - 7.6	5.5	5.2 - 5.8	1.5	1.2 - 1.8	3.6	3.4 - 3.9
Glucose/ Glu	mg/dL	616	547 - 685	480	426 - 534	282	242 - 322	172	148 - 196	26	17 - 35
	g/L	6.16	5.47 - 6.85	4.80	4.26 - 5.34	2.82	2.42 - 3.22	1.72	1.48 - 1.96	0.26	0.17 - 0.35
	mmol/L	34.2	30.3 - 38.0	26.6	23.7 - 29.6	15.7	13.4 - 17.9	9.5	8.2 - 10.9	1.4	0.9 - 1.9
Creatinine/ Crea	μmol/L	23	0 - 51	421	343 - 499	698	568 - 828	1157	967 - 1347	1740	1510 - 1970
	mg/dL	0.3	0.0 - 0.6	4.8	3.9 - 5.6	7.9	6.4 - 9.4	13.1	10.9 - 15.2	19.7	17.1 - 22.3
Lactate/ Lac	mmol/L	15.90	13.90 - 17.90	11.73	10.23 - 13.23	6.96	5.96 - 7.96	3.84	3.09 - 4.59	0.59	0.1 - 1.09
	mg/dL	143.3	125.3 - 161.3	105.7	92.2 - 119.2	62.7	53.7 - 71.7	34.6	27.8 - 41.4	5.3	0.8 - 9.8
	g/L	1.433	1.253 - 1.613	1.057	0.922 - 1.192	0.627	0.537 - 0.717	0.346	0.278 - 0.414	0.053	0.0 - 0.098
Hct ¹	%PCV	16	13 - 19	28	25 - 31	41	38 - 44	53	49 - 57	63	59 - 67
Hct ²	%PCV	17	14 - 20	29	26 - 32	43	39 - 46	55	51 - 60	66	62 - 70

¹ K₃EDTA

² K₂EDTA

CueSee® VeriSTAT - Linearity Verification Material

Expected values for Abbott i-STAT®

CLEW: A38/C38/H38/J38



2020-12

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

LOT F, H, J or K

Kit		Level 1		Level 2		Level 3		Level 4		Level 5	
		LOT 22001901		LOT 22002851		LOT 22003902		LOT 22004851		LOT 22005902	
LOT 220-B904	Unit	Mean X̄	Range R	Mean X̄	Range R	Mean X̄	Range R	Mean X̄	Range R	Mean X̄	Range R
pH	1	6.550	6.500 - 6.600	6.924	6.874 - 6.974	7.196	7.146 - 7.246	7.601	7.551 - 7.651	7.805	7.755 - 7.855
pCO ₂	mmHg	117.6	108.1 - 127.1	93.3	84.8 - 101.8	67.3	59.3 - 75.3	38.8	31.3 - 46.3	21.8	14.8 - 28.8
	kPa	15.63	14.37 - 16.90	12.40	11.27 - 13.53	8.95	7.89 - 10.02	5.16	4.16 - 6.15	2.90	1.97 - 3.83
Na+	mmol/L, mEq/L	107	103 - 111	122	118 - 126	142	138 - 146	154	149 - 159	171	166 - 176
K+	mmol/L, mEq/L	2.5	2.1 - 2.9	3.9	3.5 - 4.3	5.5	5.0 - 6.0	6.9	6.4 - 7.4	8.4	7.8 - 9.0
Cl-	mmol/L, mEq/L	107	101 - 113	72	67 - 77	127	119 - 135	85	80 - 90	101	95 - 107
Glucose/ Glu	mg/dL	610	541 - 679	486	432 - 540	305	265 - 345	189	165 - 213	27	18 - 36
	g/L	6.10	5.41 - 6.79	4.86	4.32 - 5.40	3.05	2.65 - 3.45	1.89	1.65 - 2.13	0.27	0.18 - 0.36
	mmol/L	33.9	30.0 - 37.7	27.0	24.0 - 30.0	16.9	14.7 - 19.1	10.5	9.2 - 11.8	1.5	1.0 - 2.0
BUN	mg/dL	95	80 - 110	77	65 - 89	60	51 - 69	33	27 - 39	6	3 - 9
Urea	mmol/L	34.1	28.7 - 39.4	27.4	23.1 - 31.7	21.4	18.2 - 24.7	11.8	9.6 - 13.9	2.1	1.1 - 3.2
	mg/dL	204	172 - 237	165	139 - 190	129	109 - 148	71	58 - 83	13	6 - 19
	g/L	2.04	1.72 - 2.37	1.65	1.39 - 1.90	1.29	1.09 - 1.48	0.71	0.58 - 0.83	0.13	0.06 - 0.19
Hct ¹	%PCV	15	12 - 18	27	24 - 30	40	37 - 43	52	48 - 56	62	58 - 66
Hct ²	%PCV	16	13 - 19	29	25 - 32	42	38 - 45	55	50 - 59	65	61 - 69

¹ K₃EDTA

² K₂EDTA

CueSee® VeriSTAT - Linearity Verification Material

Expected values for Abbott i-STAT®

CLEW: A38/C38/H38/J38



2020-12

CHEM8+

LOT H

Kit		Level 1		Level 2		Level 3		Level 4		Level 5	
		LOT 22001901		LOT 22002851		LOT 22003902		LOT 22004851		LOT 22005902	
LOT 220-B904	Unit	Mean X̄	Range R	Mean X̄	Range R	Mean X̄	Range R	Mean X̄	Range R	Mean X̄	Range R
Na+	mmol/L, mEq/L	106	102 - 110	121	117 - 125	142	138 - 146	154	149 - 159	170	165 - 175
K+	mmol/L, mEq/L	2.5	2.1 - 2.9	3.9	3.5 - 4.3	5.5	5.0 - 6.0	6.9	6.4 - 7.4	8.4	7.8 - 9.0
Cl-	mmol/L, mEq/L	107	101 - 113	74	69 - 79	129	121 - 137	87	82 - 92	102	96 - 108
iCa++	mmol/L	2.17	2.04 - 2.30	1.82	1.71 - 1.93	1.39	1.31 - 1.47	0.39	0.31 - 0.47	0.91	0.85 - 0.97
	mEq/L	4.3	4.1 - 4.6	3.6	3.4 - 3.9	2.8	2.6 - 2.9	0.8	0.6 - 0.9	1.8	1.7 - 1.9
	mg/dL	8.7	8.1 - 9.2	7.3	6.8 - 7.7	5.6	5.2 - 5.9	1.6	1.3 - 1.9	3.7	3.4 - 3.9
Glucose/ Glu	mg/dL	620	551 - 689	488	434 - 542	278	238 - 318	169	145 - 193	22	13 - 31
	g/L	6.20	5.51 - 6.89	4.88	4.34 - 5.42	2.78	2.38 - 3.18	1.69	1.45 - 1.93	0.22	0.13 - 0.31
	mmol/L	34.4	30.6 - 38.2	27.1	24.1 - 30.1	15.4	13.2 - 17.7	9.4	8.0 - 10.7	1.2	0.7 - 1.7
tCO2	mmol/L, mEq/L	16	10 - 22	23	14 - 32	28	21 - 35	40	33 - 47	39	29 - 49
Creatinine/ Crea	μmol/L	37	9 - 65	447	369 - 525	733	603 - 863	1185	995 - 1375	1794	1564 - 2024
	mg/dL	0.4	0.1 - 0.7	5.1	4.2 - 5.9	8.3	6.8 - 9.8	13.4	11.3 - 15.6	20.3	17.7 - 22.9
BUN	mg/dL	94	79 - 109	79	67 - 91	63	54 - 72	36	30 - 42	7	4 - 10
Urea	mmol/L	33.7	28.3 - 39.0	28.0	23.7 - 32.3	22.4	19.2 - 25.6	12.9	10.7 - 15.0	2.5	1.4 - 3.5
	mg/dL	202	170 - 234	168	142 - 194	135	115 - 154	77	64 - 90	15	8 - 21
	g/L	2.02	1.70 - 2.34	1.68	1.42 - 1.94	1.35	1.15 - 1.54	0.77	0.64 - 0.90	0.15	0.08 - 0.21
Hct ¹	%PCV	15	12 - 18	26	23 - 29	38	35 - 41	51	47 - 55	61	57 - 65
Hct ²	%PCV	16	13 - 19	27	24 - 30	40	37 - 43	53	49 - 57	63	59 - 68

¹ K₃EDTA

² K₂EDTA