

V Randox QC - Assayed Target Values

MNCHIP

RANDOX
QUALITY CONTROL

Level CON2 LOT: 1723UN Low Value=Target Value-2SD High Value=Target Value+2SD

No.	Parameter	Unit	Methodology	Target Value	Low Value	High Value	SD	2SD	Note
1	TP	g/L	Biuret reaction end point	60.90	48.70	73.10	6.10	12.20	1. TBIL and DBIL are photosensitive and must be protected from light. When stored protected from light at 4 ° C, they remain stable for at least 8 hours. Do not store at 15-25°C. Do not freeze.
2	ALB	g/L	Bromcresol Green (BGG)	43.10	36.90	49.30	3.10	6.20	
3	TBIL	μmol/L	Diazotized Sulfanilic Acid Method	30.10	23.80	36.40	3.15	6.30	
4	DBIL	μmol/L	Modified Jendrassik Method	17.10	13.50	20.70	1.80	3.60	
5	ALT	U/L	Tris buffer without P5P	47.00	37.60	56.40	4.70	9.40	
6	AST	U/L	Tris buffer without P5P	40.00	32.00	48.00	4.00	8.00	2. ALP values will increase during the stability period. Samples should be allowed to equilibrate at room temperature for 1 hour prior to analysis. The same vial should not be used for more than 4 hours after the initial test is performed.
7	GGT	U/L	Gamma Glutamy-3-Carboxy-4-nitroanilide(IFCC)	53.00	45.00	61.00	4.00	8.00	
8	ALP	U/L	AMP optimised to IFCC	193.00	164.00	222.00	14.50	29.00	
9	CRE	μmol/L	Alkaline Picrate Method (Without Deproteinization)	130.00	104.20	155.80	12.90	25.80	
10	BUN	mmol/L	Urease kinetic	7.27	6.17	8.37	0.55	1.10	
11	UA	μmol/L	Uricase peroxidase with ascorbate oxidase @546nm	346.00	300.00	392.00	23.00	46.00	3. CO ₂ is stable for 8 hours in a sealed vial. Serum samples should be analyzed promptly after uncapping. Recap the vial immediately after each use. The same vial should not be used for more than 4 hours.
12	tCO ₂	mmol/L	Enzymatic	16.26	12.96	19.56	1.65	3.30	
13	Ca	mmol/L	Arsenazo III	2.18	1.96	2.40	0.11	0.22	
14	P	mmol/L	Phosphomolybdate Enzymatic Method	1.44	1.22	1.66	0.11	0.22	
15	K ⁺	mmol/L	Enzymatic	4.20	3.86	4.54	0.17	0.34	
16	Na ⁺	mmol/L	Enzymatic	145.00	138.00	152.00	3.50	7.00	4. Reconstituted serum is stable for one week at 4° C.
17	Cl⁻	mmol/L	Ion-Selective Electrode, Direct (ISE, Direct)	97.00	89.10	104.90	3.95	7.90	
18	Mg	mmol/L	Xylidyl Blue Method	0.90	0.78	1.02	0.06	0.12	
19	CK	U/L	CK-NAC (IFCC)	214.00	175.00	253.00	19.50	39.00	
20	LDH	U/L	L->P (IFCC)	200.00	170.00	230.00	15.00	30.00	
21	α-HBDH	U/L	/	146.00	120.00	172.00	13.00	26.00	5. Serum from different lot numbers must not be pooled or used interchangeably.
22	TG	mmol/L	L/G Kinase EP. no correction	0.97	0.79	1.15	0.09	0.18	
23	CHOL	mmol/L	Cholesterol Oxidase -Abell Kendall	3.60	3.06	4.14	0.27	0.54	
24	GLU	mmol/L	Glucose Oxidase Method	6.29	5.35	7.23	0.47	0.94	
25	AMY	U/L	/	85.00	72.00	98.00	6.50	13.00	
26	LPS	U/L	Colorimetric Randox	40.00	32.00	48.00	4.00	8.00	6. The values listed in this table are for quality control reference only and shall not be used as target values for calibration.
27	LAC	mmol/L	Colorimetric -Lactate oxidase	1.42	1.14	1.70	0.14	0.28	
28	TBA	μmol/L	5th Generation Colorimetric	20.70	16.50	24.90	2.10	4.20	
29	CHE	U/L	Colorimetric Butyrylthiocholine	6097.00	4877.00	7317.00	610.00	1220.00	
30	HDL-C	mmol/L	/	1.10	0.92	1.28	0.09	0.18	

7.Parameters highlighted in yellow, bold, and italics in this table are assigned values for reagent calibration.