

M Randox QC - Assayed Target Values



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	<i>TP</i>	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	<i>ALB</i>	g/L	/	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	<i>ALT</i>	U/L	Tris buffer without P5P	47.00	37.60	56.40	4.70	9.40	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.
6	<i>AST</i>	U/L	Tris buffer without P5P	40.00	32.00	48.00	4.00	8.00	
7	GGT	U/L	Gamma Glutamy-3-Carboxy-4-nitroanilide(IFCC)	49.00	41.00	57.00	4.00	8.00	
8	ALP	U/L	AMP optimised to IFCC	193.00	164.00	222.00	14.50	29.00	
9	<i>CRE</i>	µmol/L	Alkaline Picrate Method (Without Deproteinization)	130.00	104.20	155.80	12.90	25.80	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.
10	<i>UREA</i>	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	
12	CO ₂	mmol/L	Enzymatic	16.26	12.96	19.56	1.65	3.30	
13	Ca ²⁺	mmol/L	Arsenazo III	2.18	1.96	2.40	0.11	0.22	4. Reconstituted serum is stable for one week at 4° C.
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	
17	<i>Cl⁻</i>	mmol/L	Ion-Selective Electrode, Direct (ISE, Direct)	97.00	89.10	104.90	3.95	7.90	5. Serum from different lot numbers must not be pooled or used interchangeably.
18	Mg ²⁺	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	<i>α-HBDH</i>	U/L	/	146.00	120.00	172.00	13.00	26.00	6. The values listed in this table are for quality control reference only and shall not be used as target values for calibration.
22	TG	mmol/L	L/G Kinase EP. no correction	0.97	0.79	1.15	0.09	0.18	
23	<i>CHOL</i>	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	<i>AMY</i>	U/L	Randox Liquid Ethylidene pNPG7	98.00	83.00	113.00	7.50	15.00	7.Parameters highlighted in yellow, bold, and italics in this table are assigned values for reagent calibration.
26	LPS	U/L	Colorimetric Randox	40.00	32.00	48.00	4.00	8.00	
27	<i>LAC</i>	mmol/L	Colorimetric -Lactate oxidase	1.42	1.14	1.70	0.14	0.28	
28	<i>TBA</i>	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	<i>HDL-C</i>	mmol/L	/	1.10	0.92	1.28	0.09	0.18	