Laboratorio Emotest s.r.l.

MONTHLY CLINICAL CHEMISTRY

CYCLE 20 SAMPLE 8

Explanation of codes used in this report

R - Results removed due to reconstitution error
N - No result returned
C - Result corrected

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RIQAS

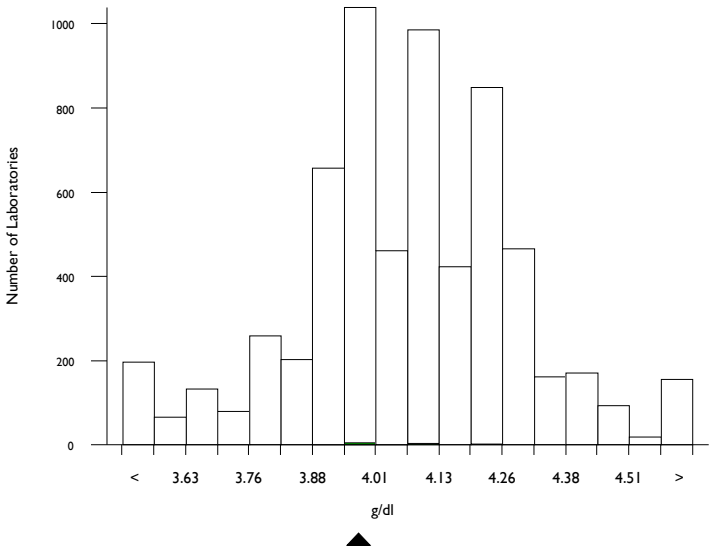
UKAS PROFICIENCY TESTING 0010

Albumin, g/dl

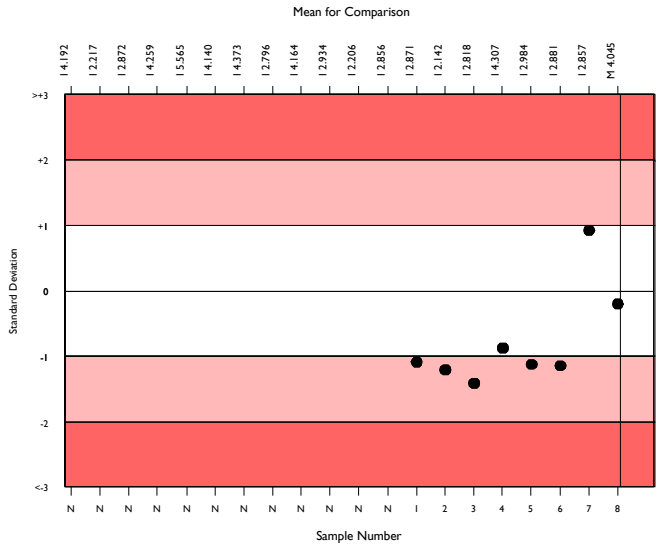
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	5897	4.074	4.1	0.00	0.22	516
Abbott Alinity Albumin BCP 2	12	4.045	2.3	0.03	0.22	0
Abbott Architect c systems	1	4.000	0.0	0.00	N/A	0

Your Result	4.000	SDI	-0.21
		RMSDI	Too Few
Mean for Comparison	4.045	TS	120
		RMTS	Too Few
		%DEV	-1.1
		RM%DEV	Too Few

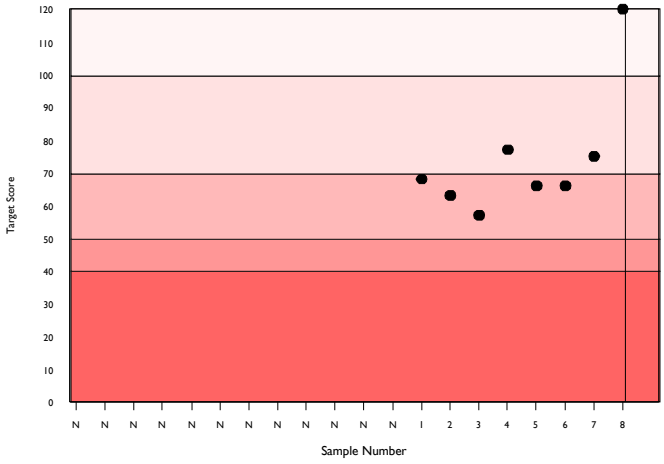
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	9.00%

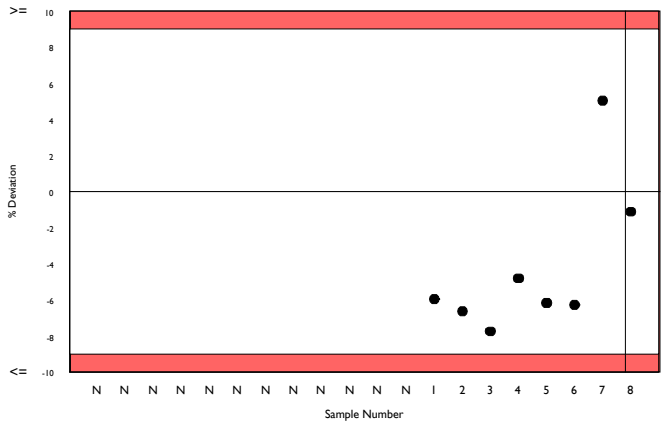


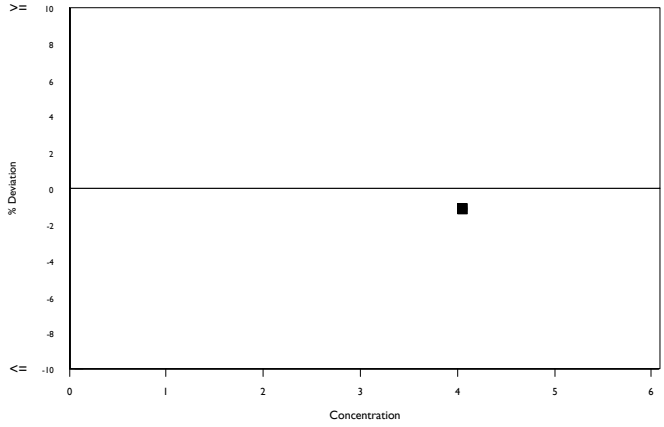
Method	N	Mean	CV%	U_m
Bromocresol Green	4833	4.067	4.1	0.00
Bromocresol Purple	523	4.152	3.4	0.01
Ortho Vitros MicroSlide Systems	224	4.019	3.5	0.01
Abbott Alinity Albumin BCG 2	105	4.098	1.6	0.01
Agappe - Bromocresol Green	54	4.077	3.3	0.02
Other Dry Chemistry	48	4.544	5.7	0.05
Turbidimetric Assays	39	4.063	4.6	0.04
Abbott Architect Albumin BCG 2	34	4.106	2.5	0.02
Abbott Architect Albumin BCP 2	14	3.930	1.3	0.02
Abbott Alinity Albumin BCP 2	12	4.045	2.3	0.03
Nephelometric Assays	9	4.064	4.5	0.08
Electrophoresis	3	3.697	18.7	0.50



TDPA = 9%







RIQAS

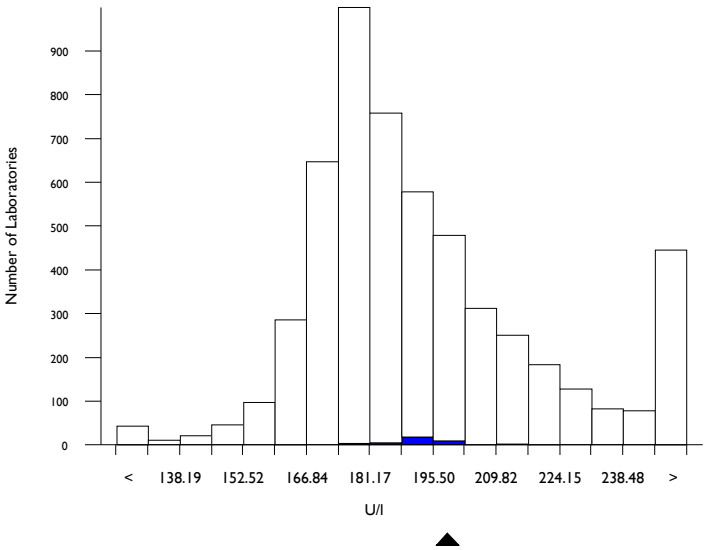
UKAS PROFICIENCY TESTING 0010

Alkaline Phosphatase, U/l @ 37°C

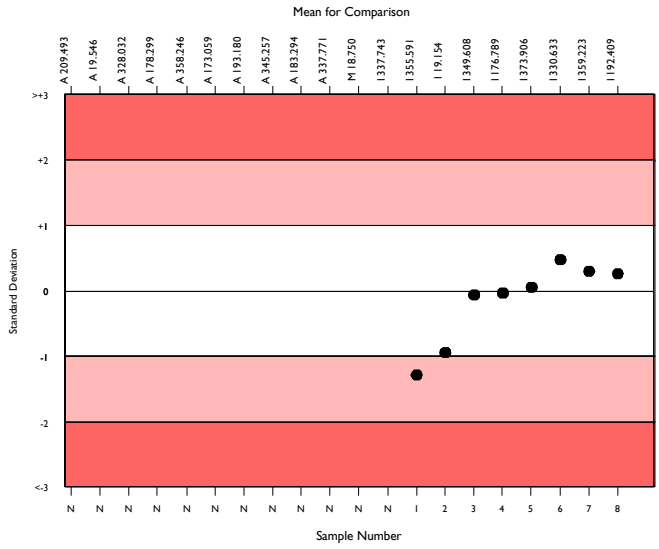
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	4940	188.338	10.1	0.34	21.18	505
Abbott Architect Alkaline Phosphatase 2	35	192.409	3.0	1.22	21.64	7
Abbott Architect c systems	35	192.409	3.0	1.22	21.64	6

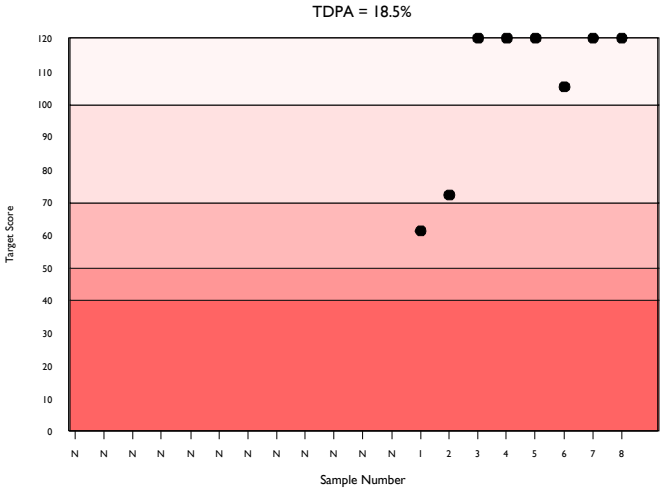
Your Result	198.000	SDI	0.26
		RMSDI	Too Few
Mean for Comparison	192.409	TS	120
		RMTS	Too Few
		%DEV	2.9
		RM%DEV	Too Few

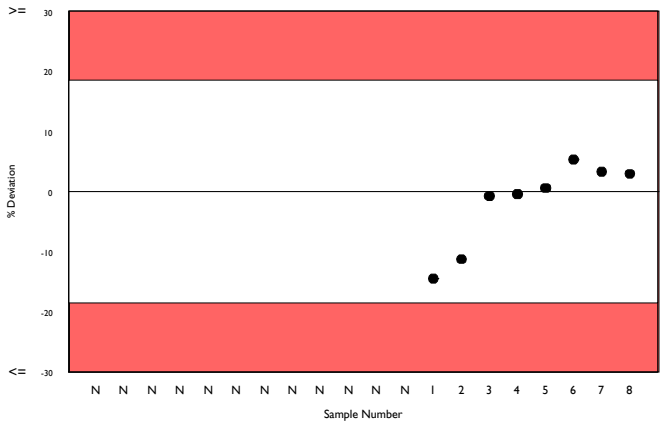
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	18.50%

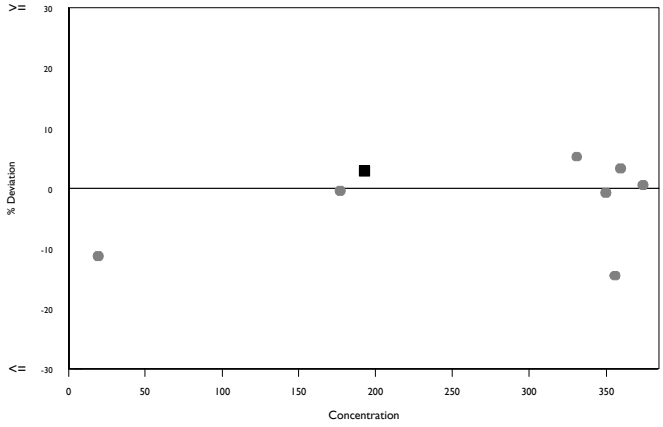


Method	N	Mean	CV%	U_m
AMP optimised to IFCC	2035	191.282	8.9	0.47
Roche AMP buffer IFCC	1209	178.064	4.2	0.27
Diethanolamine buffer, DEA	491	247.889	14.7	2.06
Ortho Vitros MicroSlide Systems	240	175.031	6.4	0.90
Siemens/Dade Dimension AMP buffer	223	176.212	3.5	0.52
AMP non-optimised	207	194.421	6.5	1.11
Beckman AMP (Calibrator)	152	207.245	6.9	1.46
Colorimetric	123	182.119	8.9	1.83
Abbott Alinity Alkaline Phosphatase 2	72	198.094	3.6	1.06
Agappe - DGKC-SCE	46	261.599	9.5	4.57
Other AMP kits	45	185.385	7.0	2.43
Other Dry Chemistry	45	194.859	8.8	3.18
Abbott Architect Alkaline Phosphatase 2	35	192.409	3.0	1.22
Beckman AMP (Extinction Coeff)	27	201.254	5.4	2.62
Fuji Dri-Chem JSCC	12	189.414	16.5	11.26
AMP optimised to NVKC/SFBC	8	215.020	19.7	18.72
AMPD optimised to JSCC	5	197.720	12.9	14.26
AMP reduced interference	2	212.500	19.0	35.62
Tris/carbonate buffer	2	176.000	3.2	5.00









RIQAS

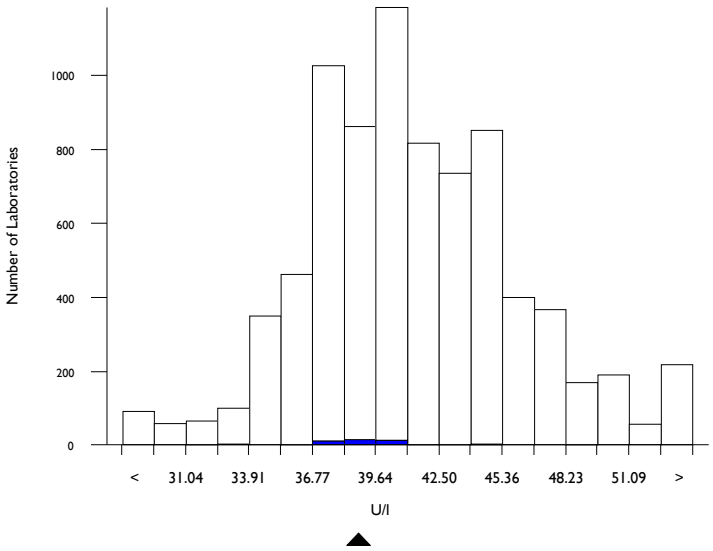
UKAS PROFICIENCY TESTING 0010

ALT (GPT), U/l @ 37°C

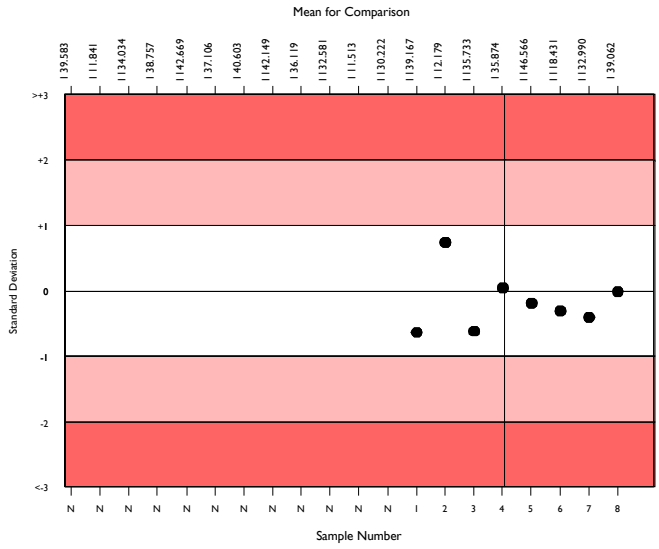
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	7427	41.073	9.3	0.06	3.77	561
Abbott Architect ALT 2	39	39.062	3.2	0.25	3.59	8
Abbott Architect c systems	39	39.062	3.2	0.25	3.59	7

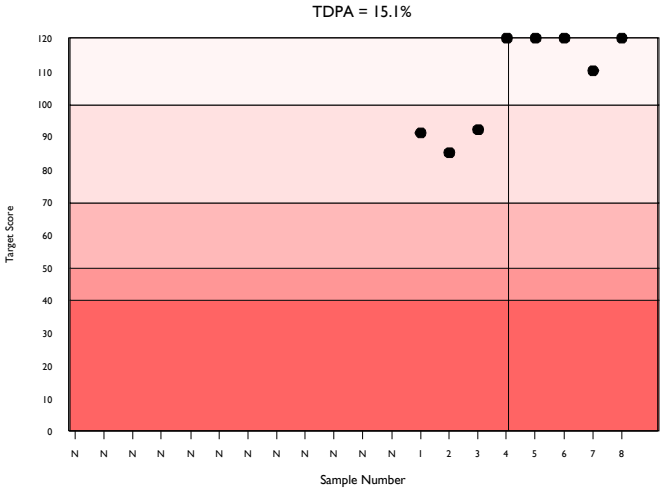
▲ Your Result	39.000	SDI	-0.02
		RMSDI	Too Few
Mean for Comparison	39.062	TS	120
		RMTS	Too Few
		%DEV	-0.2
		RM%DEV	Too Few

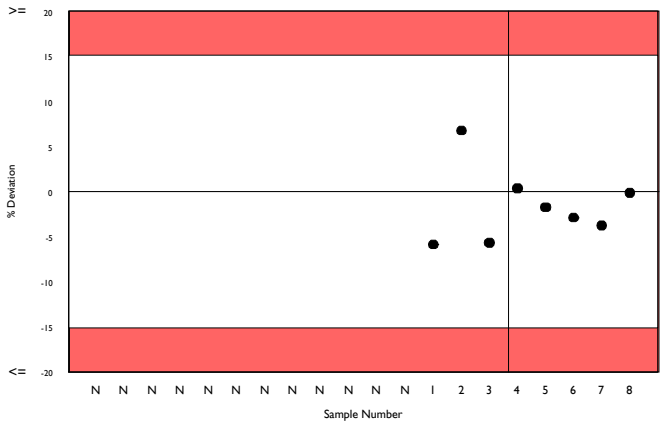
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	15.10%

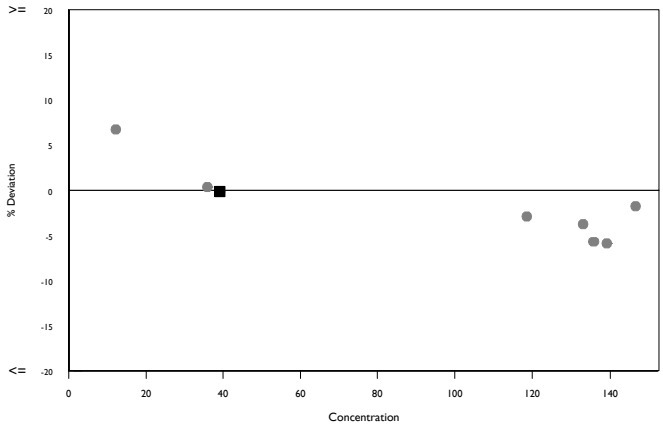


Method	N	Mean	CV%	U_m
Tris buffer without P5P	4736	39.862	8.8	0.06
Beckman Mod. IFCC Ref. without P5P	936	43.010	5.1	0.09
Tris buffer with P5P	749	43.072	10.2	0.20
Ortho Vitros MicroSlide Systems	182	45.902	5.5	0.23
Siemens/Dade standard nonIFCC correlated	170	48.052	7.5	0.35
Beckman IFCC Ref. with P5P	118	43.460	5.8	0.29
Agappe - IFCC	87	42.175	6.3	0.35
Abbott Alinity ALT 2	85	38.334	4.4	0.23
Ortho Vitros MicroSlide visible	73	46.275	4.0	0.27
Colorimetric	71	40.991	8.6	0.52
Other Dry Chemistry	67	41.746	5.2	0.33
Abbott Architect ALT 2	39	39.062	3.2	0.25
Phosphate buffer, DGKC	23	41.608	9.8	1.06
Tris buffer with P5P, NVKC	19	39.919	8.2	0.93
Tris buffer, SCE	15	40.765	8.4	1.11
Beckman (Extinction Coefficient)	11	42.318	10.0	1.59
LDH - JSCC	9	38.800	19.4	3.14









RIQAS

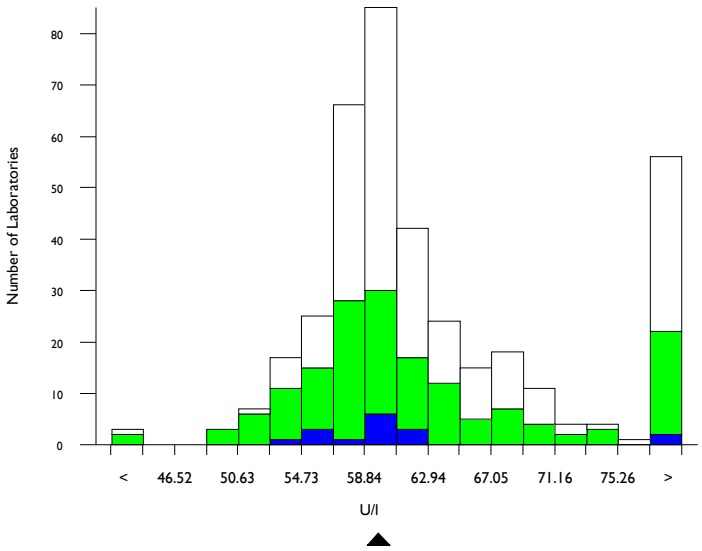
UKAS PROFICIENCY TESTING 0010

Amylase, Pancreatic, U/l @ 37°C

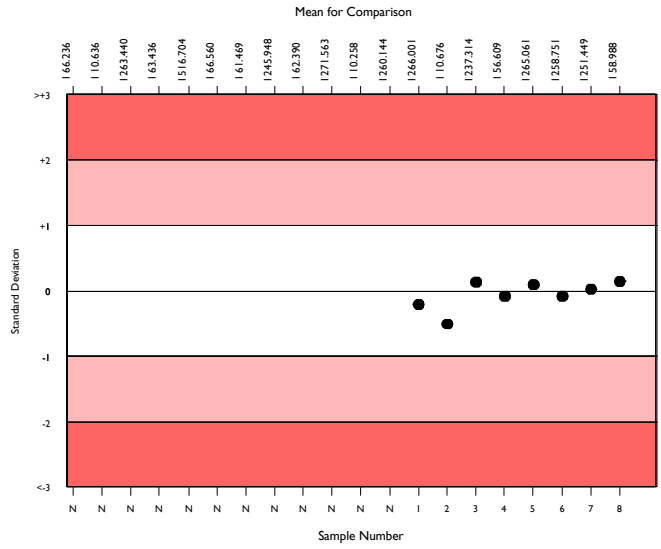
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	328	60.897	9.0	0.38	7.52	53
Immunoinhibition, EPS substrate	145	60.183	9.4	0.59	7.43	22
Abbott Architect c systems	13	58.988	3.7	0.77	7.28	3

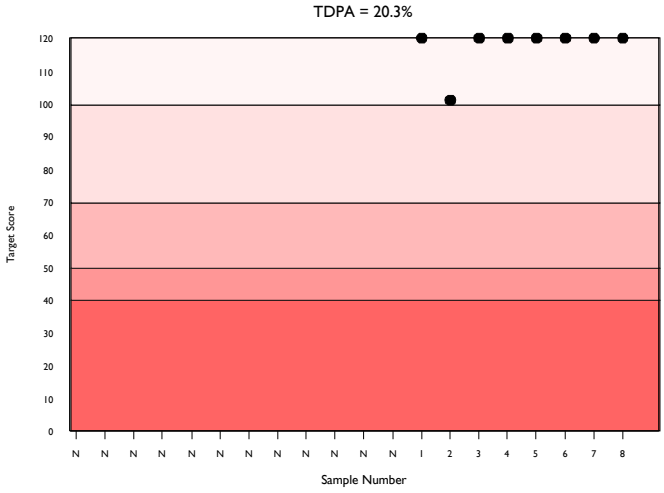
▲ Your Result	60.000	SDI	0.14
		RMSDI	Too Few
Mean for Comparison	58.988	TS	120
		RMTS	Too Few
		%DEV	1.7
		RM%DEV	Too Few

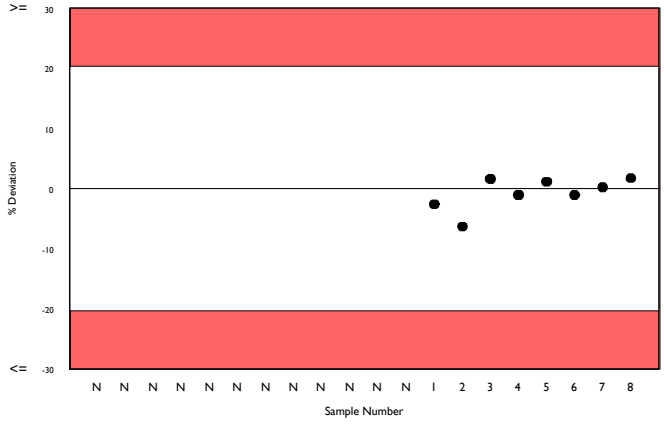
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	20.30%

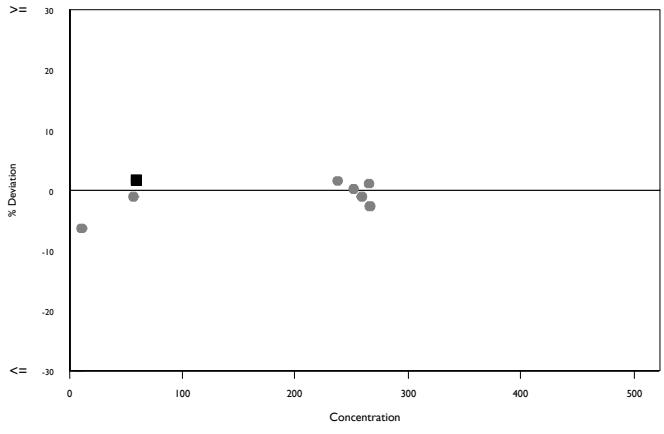


Method	N	Mean	CV%	U_m
Immunoinhibition, EPS substrate	145	60.183	9.4	0.59
Roche Liquid Stable pNPG7	128	59.718	3.9	0.26
Amyloclastic Methods	24	75.841	19.4	3.76
Beckman Synchron/CX/LXi/DxC	14	64.428	15.9	3.41
Randox Liquid Stable pNPG7	13	66.457	8.0	1.83
Other Dry Chemistry	7	70.014	10.1	3.35









RIQAS

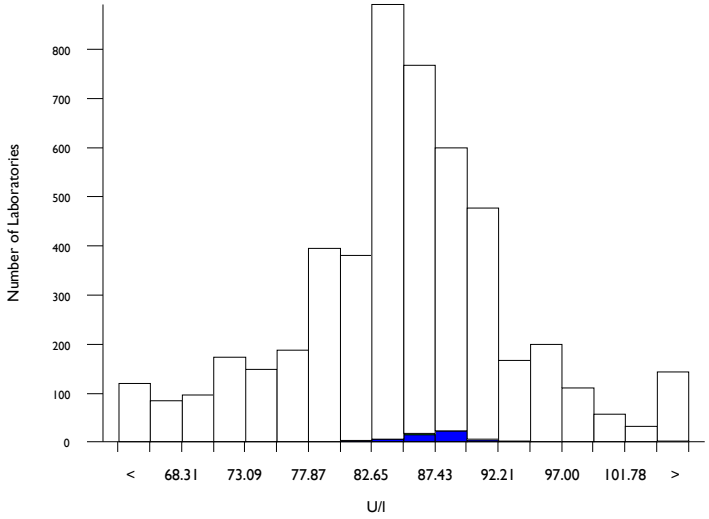
UKAS PROFICIENCY TESTING 0010

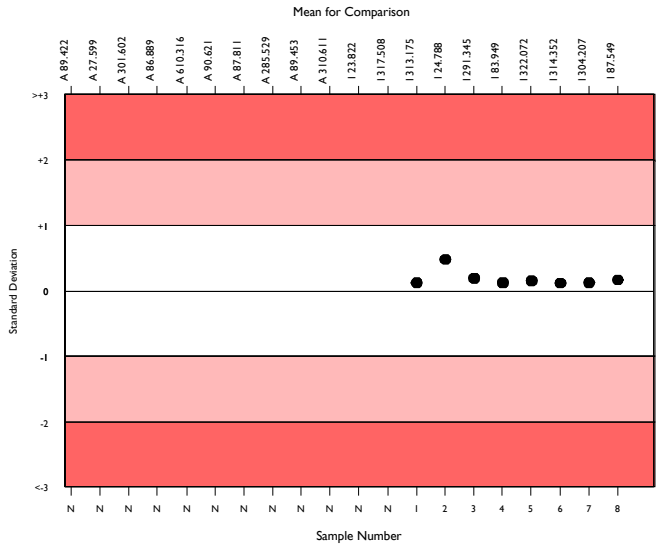
Amylase, Total, U/l @ 37°C

	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	4607	85.050	7.5	0.12	8.74	411
Abbott Architect Amylase 2	50	87.605	2.1	0.33	9.00	6
Abbott Architect c systems	46	87.549	2.2	0.35	9.00	6

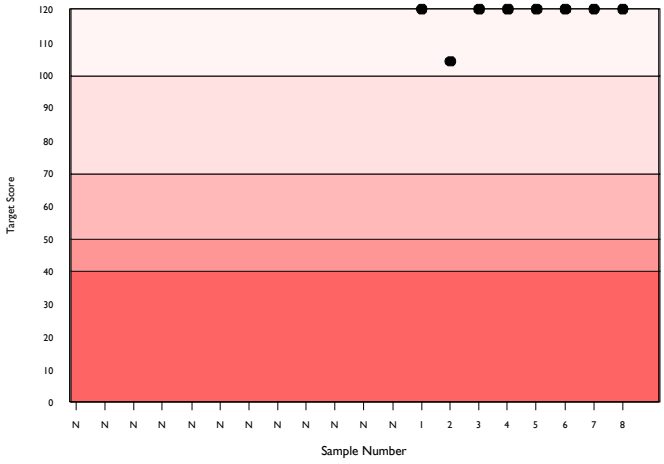
Your Result	89.000	SDI	0.16
		RMSDI	Too Few
Mean for Comparison	87.549	TS	120
		RMTS	Too Few
		%DEV	1.7
		RM%DEV	Too Few

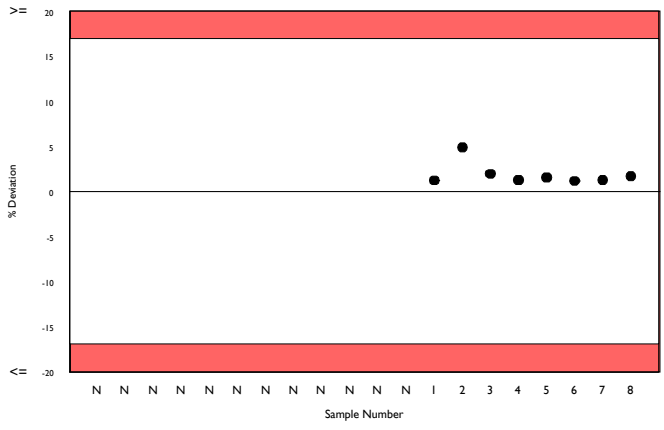
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	16.90%

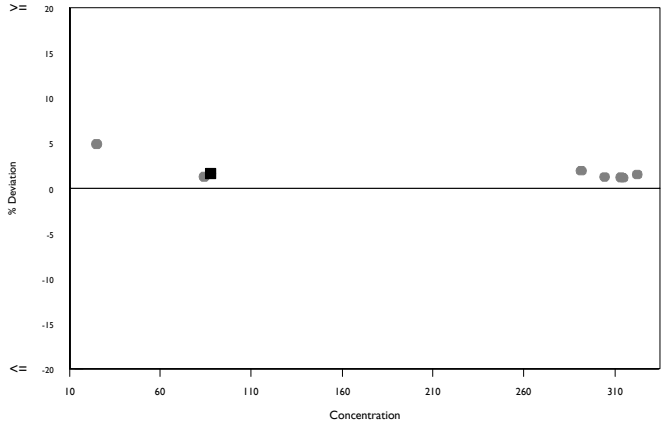




TDPA = 16.9%







Method	N	Mean	CV%	U_m
Other 2-chloro-pNPG3	1066	83.071	9.7	0.31
Roche liquid stable pNPG7	924	85.176	2.3	0.08
Beckman CNPG3 (Master Cal)	242	79.811	6.3	0.40
Beckman Olympus blocked pNPG7	238	87.009	6.2	0.44
Siemens/Dade Behring 2-chloro-pNPG3	221	89.427	2.7	0.21
Ortho Vitros MicroSlide Systems	162	71.098	5.7	0.40
Siemens - blocked pNPG7	166	94.202	4.9	0.44
Other - blocked pNPG7	156	86.388	7.5	0.65
Other non blocked pNPG7	107	85.677	7.1	0.74
Abbott Architect/Alinity cal factor 3431	103	87.842	2.2	0.24
Randox Liquid Ethylidene pNPG7	106	91.416	8.4	0.93
Abbott Alinity Amylase 2	100	87.089	2.2	0.24
Roche Integra 2-chloro-pNPG7	77	86.009	2.9	0.35
Human CNPG3 (IFCC)	71	83.875	8.5	1.05
pNP Maltotrioside substrates	64	87.317	6.9	0.94
Beckman Synchron AMY7	63	88.844	4.3	0.60
Other 2-chloro-pNP-linked sub.	66	86.973	10.3	1.37
Agappe - CNPG3	61	76.964	6.7	0.83
Beckman CNPG3 (Extinction Coeff)	61	79.289	8.0	1.02
BM/Roche Colorimetric pNPG7	55	84.856	2.7	0.39
Wiener Amilokit (AU/dl)	49	83.988	8.9	1.33

RIQAS

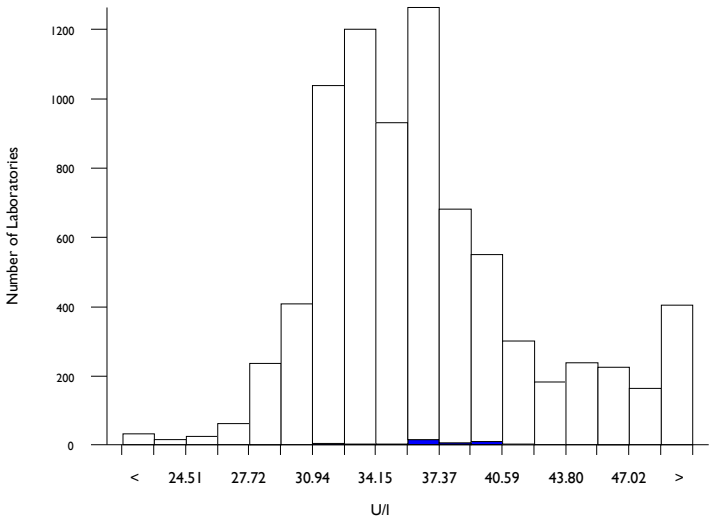
UKAS PROFICIENCY TESTING 0010

AST (GOT), U/l @ 37°C

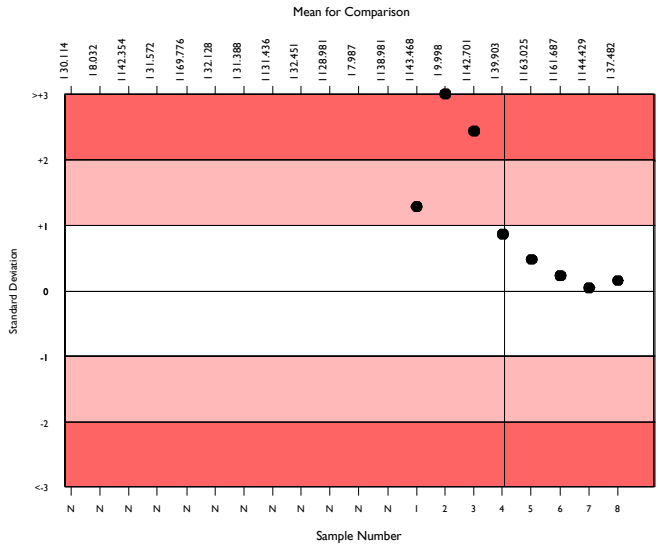
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	7350	35.767	12.0	0.06	3.22	597
Abbott Architect AST 2	45	36.872	6.7	0.46	3.32	2
Abbott Architect c systems	40	37.482	5.0	0.37	3.37	6

Your Result	38.000	SDI	0.15
		RMSDI	Too Few
Mean for Comparison	37.482	TS	120
		RMTS	Too Few
		%DEV	1.4
		RM%DEV	Too Few

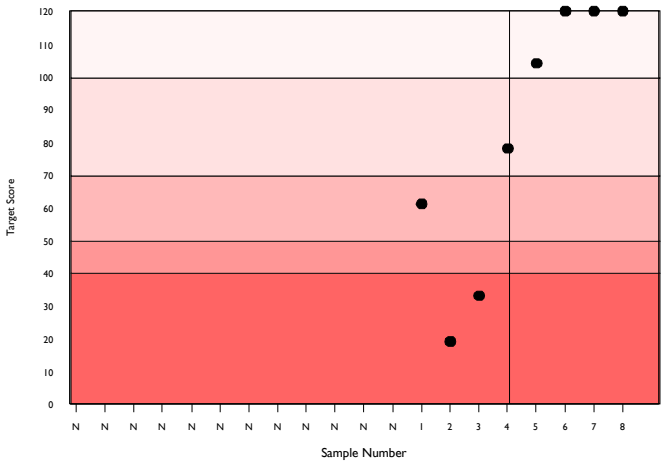
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	14.80%

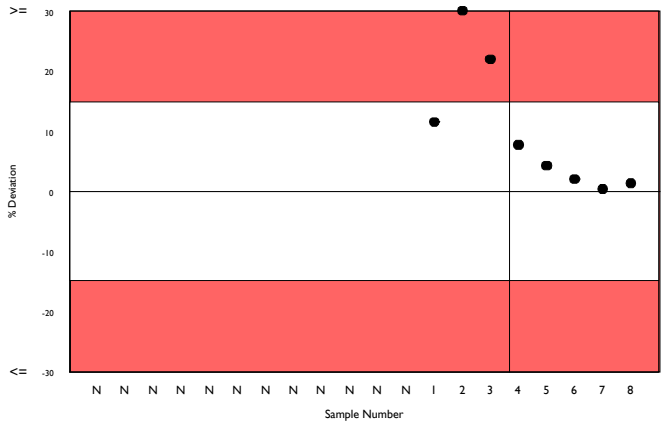


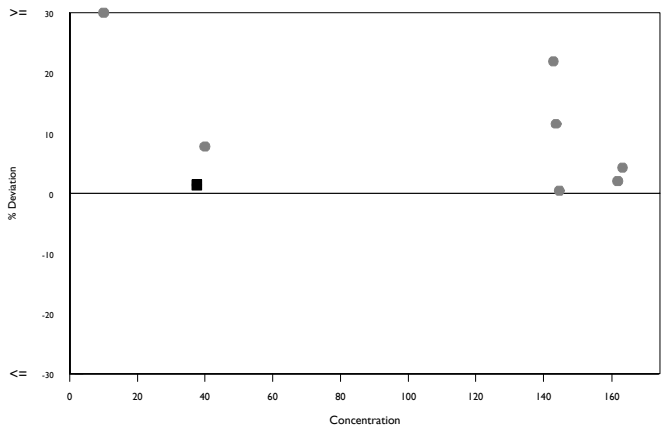
Method	N	Mean	CV%	U_m
Tris buffer without P5P	4790	34.453	9.7	0.06
Beckman Mod. IFCC Ref. without P5P	954	36.533	5.4	0.08
Tris buffer with P5P	719	42.289	14.0	0.28
Ortho Vitros MicroSlide visible	248	48.484	5.1	0.20
Siemens/Dade standard non IFCC corr.	180	44.033	11.3	0.46
Beckman IFCC Ref. with P5P	97	36.730	6.2	0.29
Agappe - IFCC	85	33.756	8.1	0.37
Abbott Alinity AST 2	81	37.367	6.1	0.31
Colorimetric	66	35.032	9.6	0.52
Other Dry Chemistry	65	34.232	3.4	0.18
Abbott Architect AST 2	45	36.872	6.7	0.46
Phosphate buffer, DGKC	29	34.707	10.6	0.86
Tris buffer with P5P, NVKC	19	32.661	7.2	0.67
Tris buffer, SCE	15	36.375	8.0	0.94
Beckman (Extinction Coefficient)	8	37.316	3.7	0.60
MDH - JSCC	5	33.880	18.3	3.46
Vitros DT60/DT60 II/DTSC II	2	37.000	3.8	1.25



TDPA = 14.8%







RIQAS

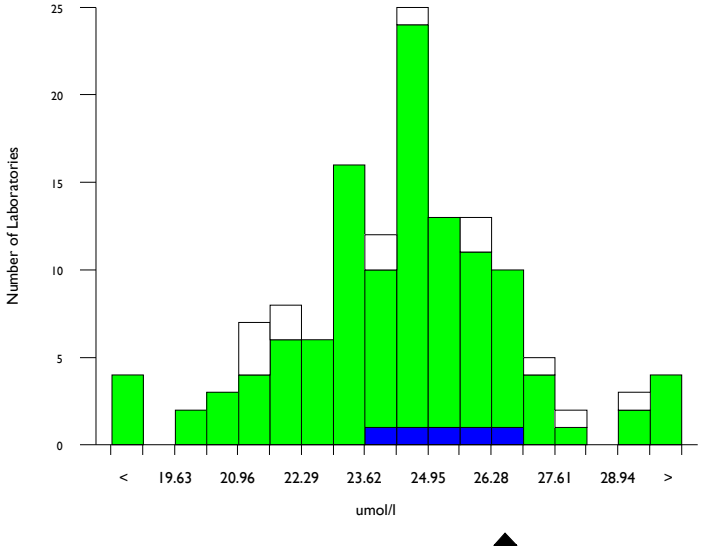
UKAS PROFICIENCY TESTING 0010

Bile Acids, umol/l

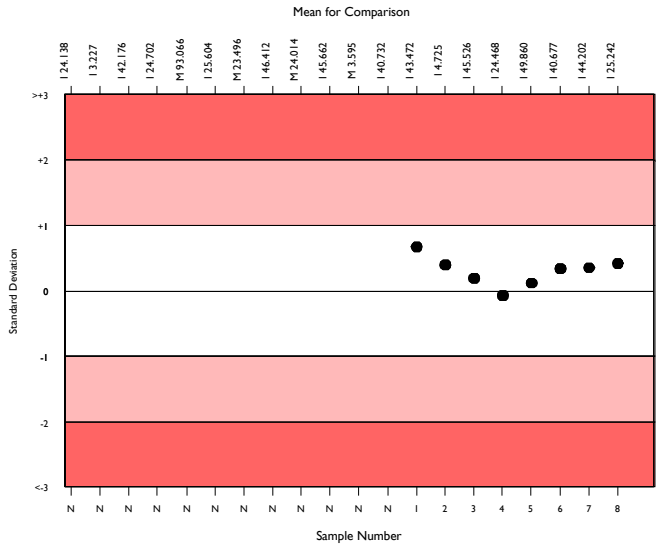
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	121	24.292	7.3	0.20	3.62	12
Enzymatic Colorimetric	105	24.480	6.3	0.19	3.65	15
Abbott Architect c systems	5	25.242	4.7	0.67	3.76	0

▲ Your Result	26.800	SDI	0.41
		RMSDI	Too Few
Mean for Comparison	25.242	TS	110
		RMTS	Too Few
		%DEV	6.2
		RM%DEV	Too Few

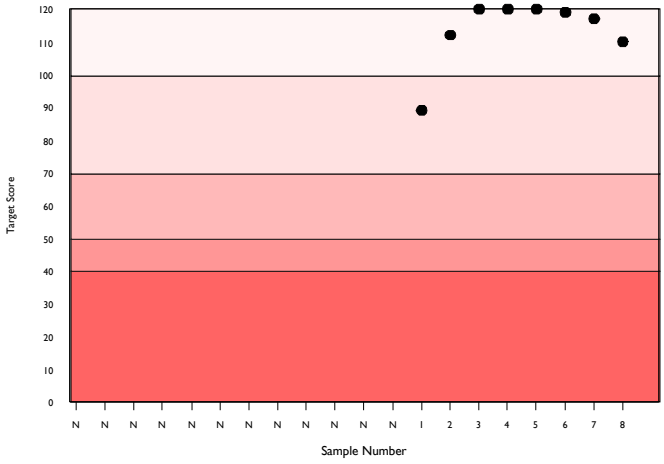
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	24.50%

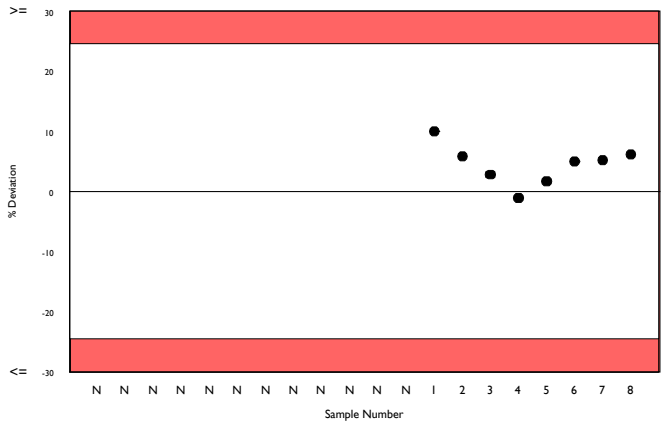


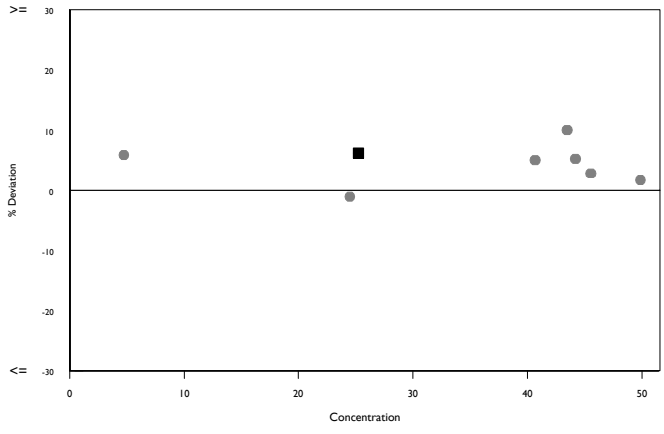
Method	N	Mean	CV%	U_m
Enzymatic Colorimetric	105	24.480	6.3	0.19
Enzymatic Colorimetric - Sentinel	13	24.325	11.4	0.96



TDPA = 24.5%







RIQAS

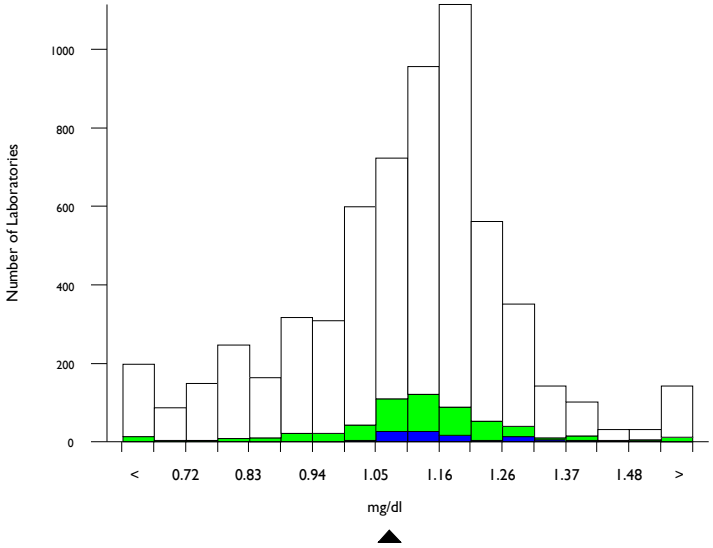
UKAS PROFICIENCY TESTING 0010

Bilirubin, Direct, mg/dl

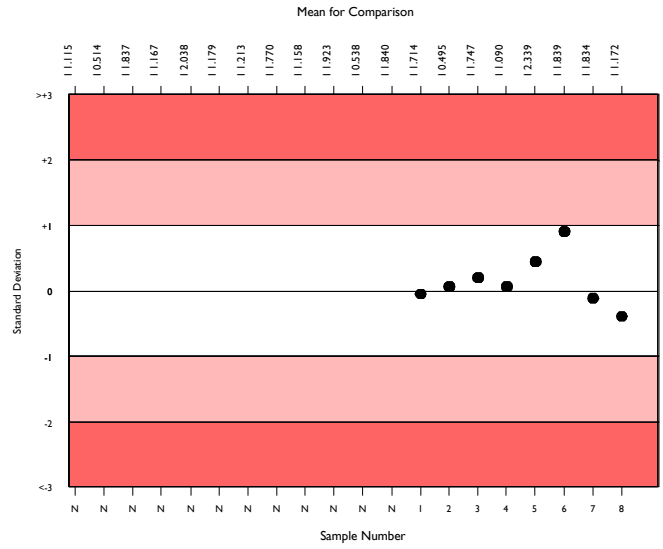
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	5718	1.106	13.0	0.00	0.17	504
Diazo with Dichloroanaline	528	1.139	9.5	0.01	0.18	56
Abbott Architect c systems	99	1.172	7.7	0.01	0.18	9

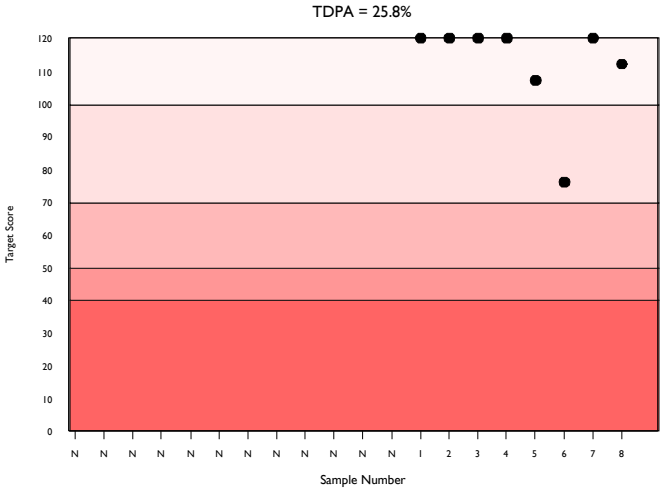
Your Result	1.100	SDI	-0.39
		RMSDI	Too Few
Mean for Comparison	1.172	TS	112
		RMTS	Too Few
		%DEV	-6.2
		RM%DEV	Too Few

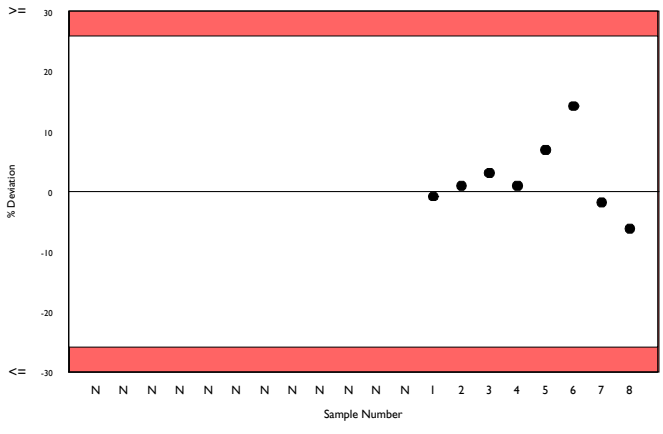
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	25.80%

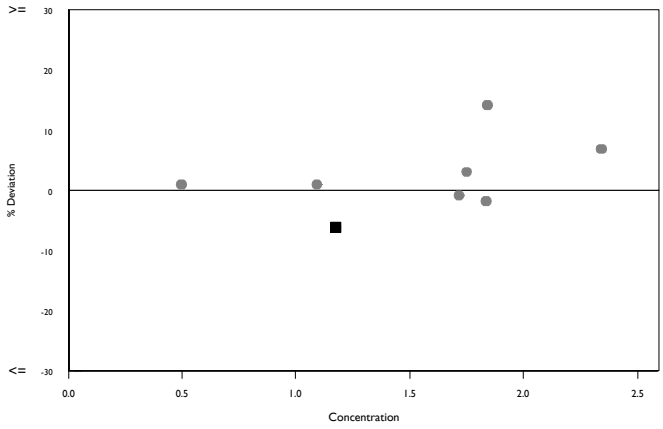


Method	N	Mean	CV%	U_m
Diazo with Sulphanilic Acid	2046	1.083	14.9	0.00
Dichlorophenyl Diazonium	1608	1.167	7.2	0.00
Diazo with Dichloroanaline	528	1.139	9.5	0.01
Oxidation to Biliverdin/Vanadate	382	1.065	8.7	0.01
Roche DPD JG standardised	366	1.188	5.8	0.00
Diazo/ Sulphanilic Siemens Dimension	251	0.786	4.7	0.00
Roche DPD Doumas standardised	207	1.085	11.0	0.01
Diazo/Sulphanilic Beckman DxC	116	1.167	5.8	0.01
Agappe - DIAZO	62	0.551	23.7	0.02
Other Dry Chemistry	53	1.012	6.3	0.01
Direct Spectrophotometry	10	1.082	19.6	0.08
Roche (US calibrator only)	4	1.092	14.5	0.10









RIQAS

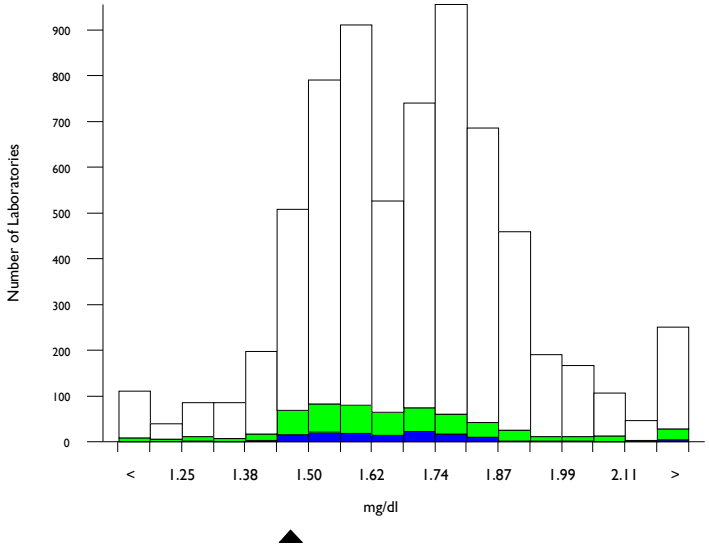
UKAS PROFICIENCY TESTING 0010

Bilirubin, Total, mg/dl

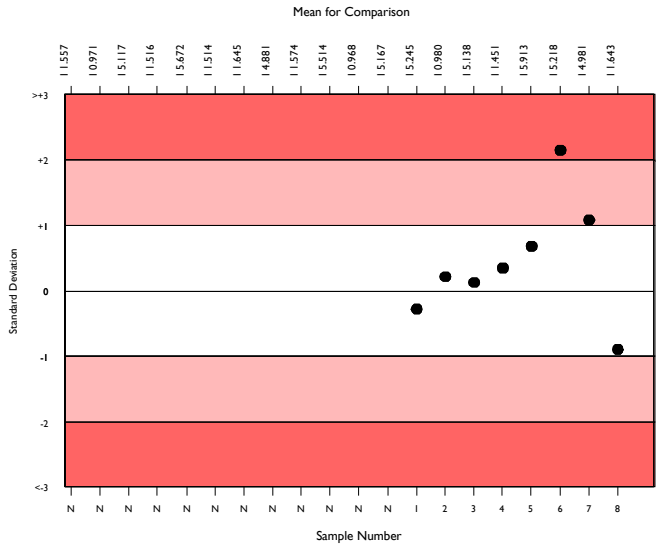
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	6315	1.688	9.7	0.00	0.16	541
Diazo with Dichloroaniline	561	1.652	9.5	0.01	0.16	58
Abbott Architect c systems	128	1.643	7.6	0.01	0.16	12

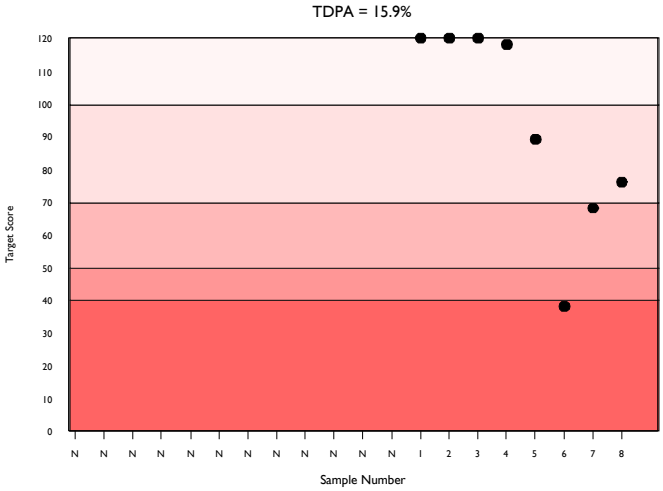
▲ Your Result	1.500	SDI	-0.90
		RMSDI	Too Few
Mean for Comparison	1.643	TS	76
		RMTS	Too Few
		%DEV	-8.7
		RM%DEV	Too Few

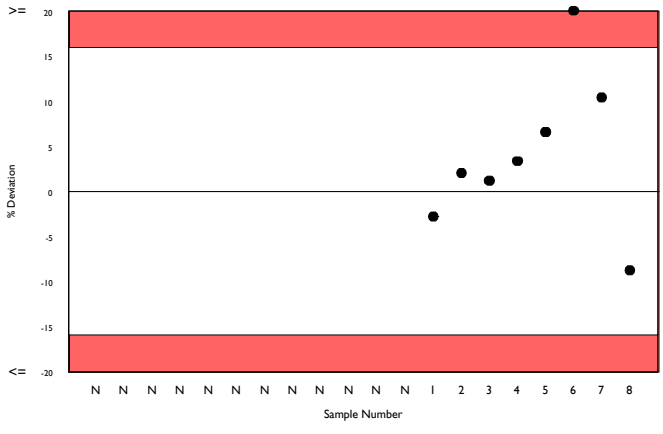
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	15.90%

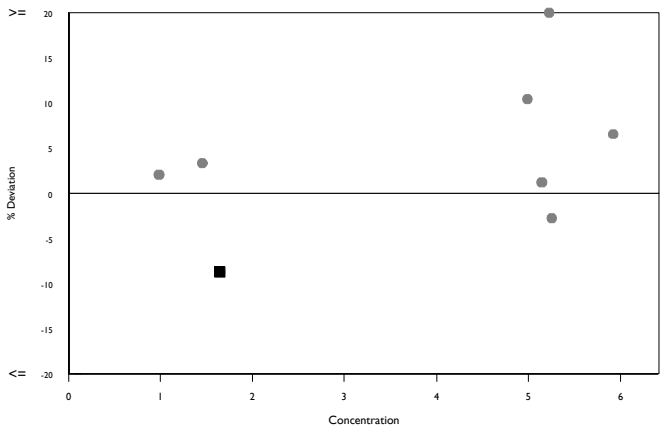


Method	N	Mean	CV%	U_m
Diazo with Sulphanilic Acid	2285	1.734	9.2	0.00
Dichlorophenyl Diazonium	1429	1.623	8.5	0.00
DPD (Beckman AU)	592	1.816	3.5	0.00
Diazo with Dichloroaniline	561	1.652	9.5	0.01
Diazonium ion	547	1.590	5.7	0.00
Oxidation to Biliverdin/Vanadate	417	1.856	7.1	0.01
Ortho Vitros MicroSlide System Total Bil	220	1.507	8.6	0.01
Other Dry Chemistry	54	1.608	6.5	0.02
Agappe - TAB	50	1.447	5.7	0.01
Abbott Alinity Total Bilirubin 2	27	1.611	6.7	0.03
Nitrobenzenediazonium Salt	25	1.534	7.9	0.03
Agappe - DMSO	12	1.568	12.3	0.07
Direct Spectrophotometry	10	1.617	9.3	0.06
Abbott Architect Total Bilirubin 2	7	1.604	4.1	0.03
Vitros DT60/DT60 II Total Bil	5	1.567	15.7	0.14









RIQAS

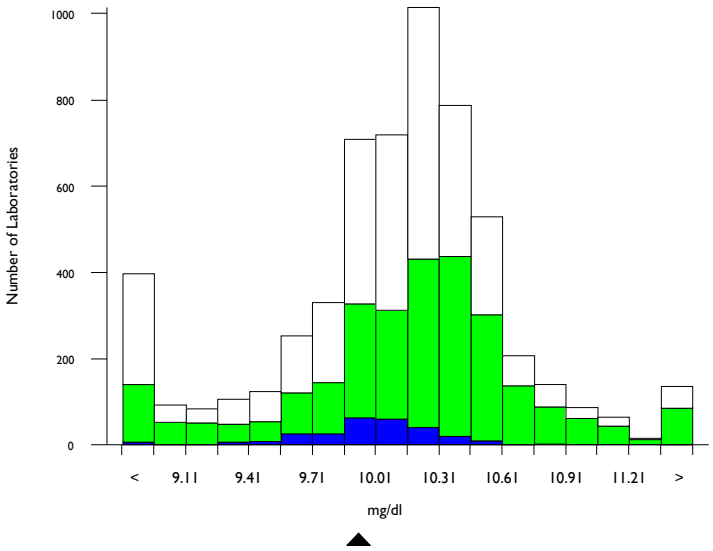
UKAS PROFICIENCY TESTING 0010

Calcium, mg/dl

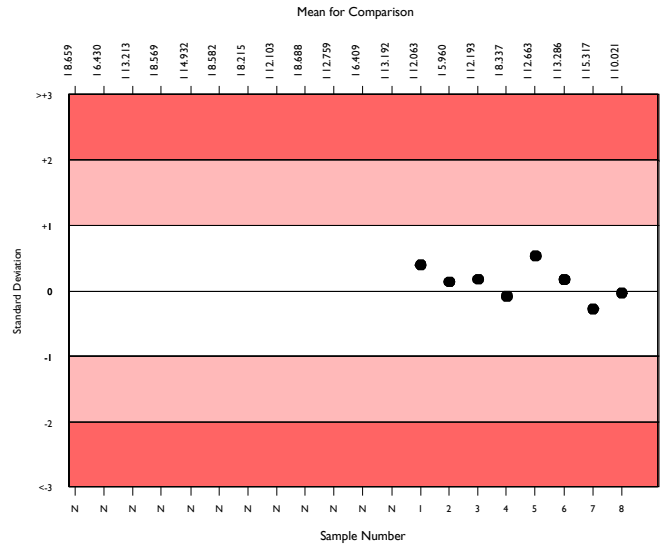
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	5239	10.163	3.9	0.01	0.51	549
Arsenazo	2577	10.215	4.0	0.01	0.52	267
Abbott Architect c systems	244	10.021	2.3	0.02	0.51	26

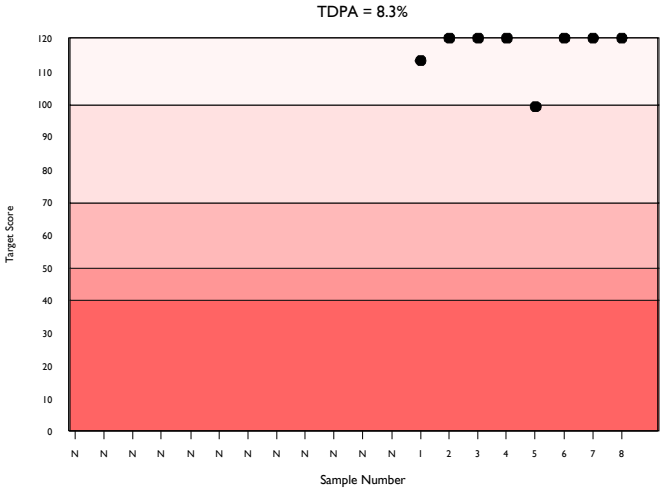
▲ Your Result	10.000	SDI	-0.04
		RMSDI	Too Few
Mean for Comparison	10.021	TS	120
		RMTS	Too Few
		%DEV	-0.2
		RM%DEV	Too Few

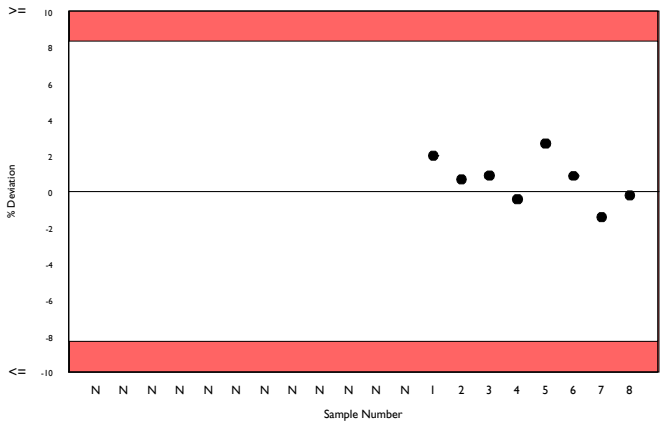
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	8.30%

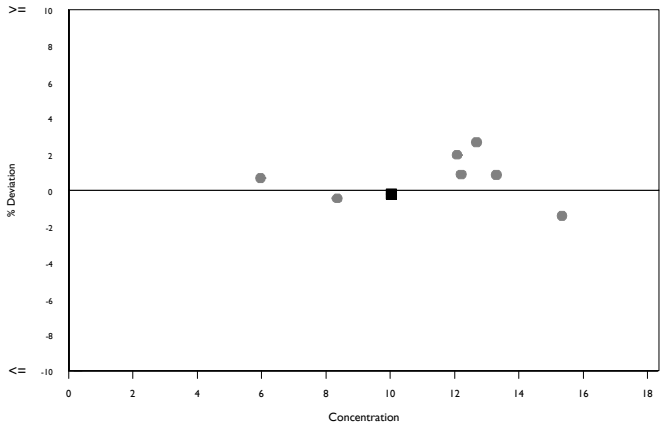


Method	N	Mean	CV%	U_m
Arsenazo	2577	10.215	4.0	0.01
Cresolphthalein complexone	1207	9.873	6.2	0.02
NM-BAPTA	994	10.213	2.1	0.01
Ortho Vitros MicroSlide Systems	234	10.146	2.6	0.02
Ion selective electrode	131	10.151	5.4	0.06
Agappe - ARSENAZO	51	10.109	5.3	0.09
Other Dry Chemistry	45	10.174	3.3	0.06
Phosphonazo	31	10.065	4.9	0.11
Methylthymol blue	14	9.916	6.7	0.22
Atomic absorption	7	10.207	3.6	0.17
Agappe - OCPC	4	9.545	7.7	0.46
Optical Emission Spectroscopy	2	11.450	27.8	2.81









RIQAS

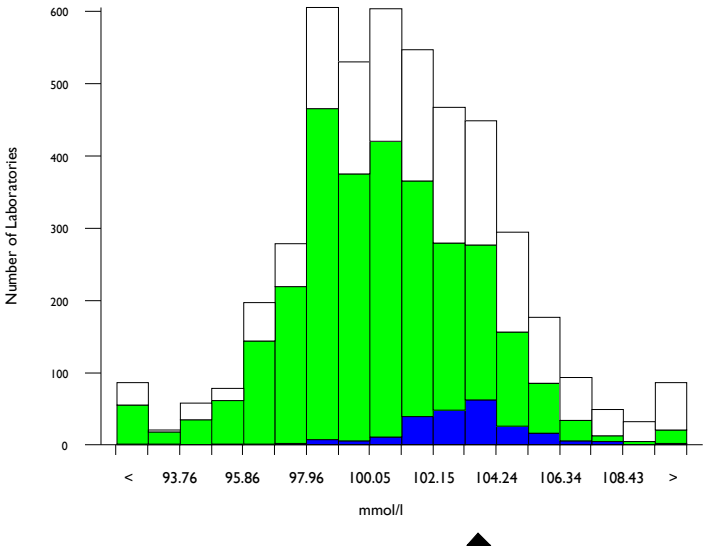
UKAS PROFICIENCY TESTING 0010

Chloride, mmol/l

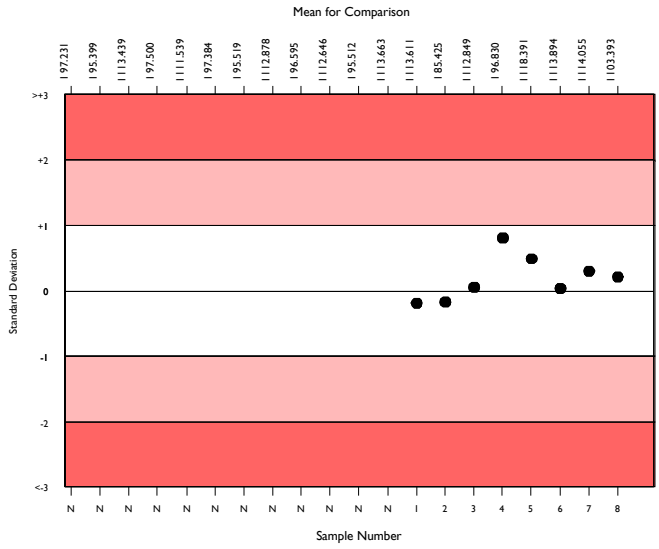
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	4334	101.104	2.8	0.05	2.83	313
ISE, indirect	2853	100.678	2.6	0.06	2.82	173
Abbott Architect c systems	214	103.393	1.5	0.13	2.89	20

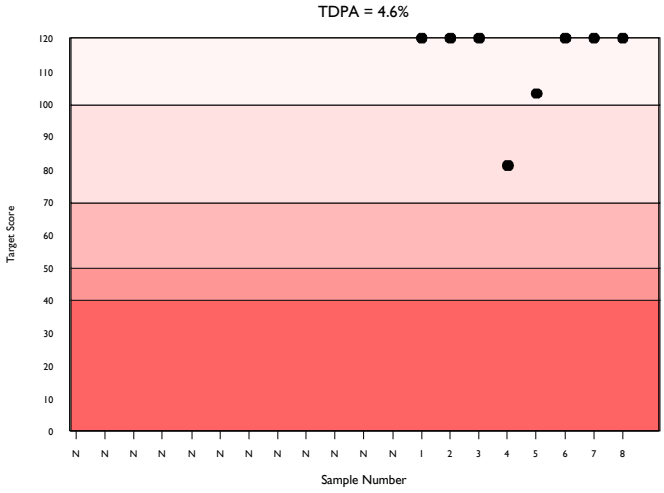
▲ Your Result	104.000	SDI	0.21
		RMSDI	Too Few
Mean for Comparison	103.393	TS	120
		RMTS	Too Few
		%DEV	0.6
		RM%DEV	Too Few

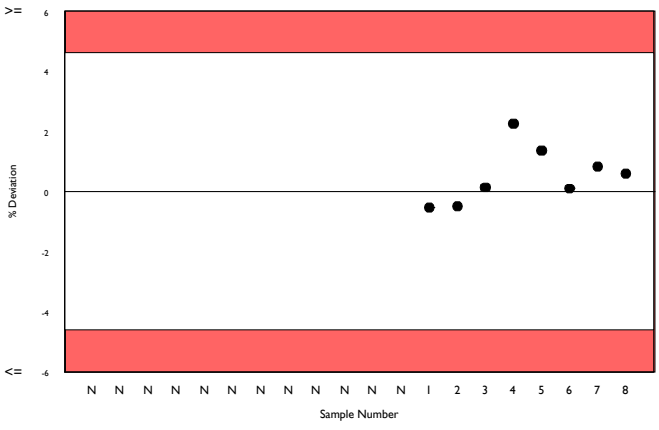
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	4.60%

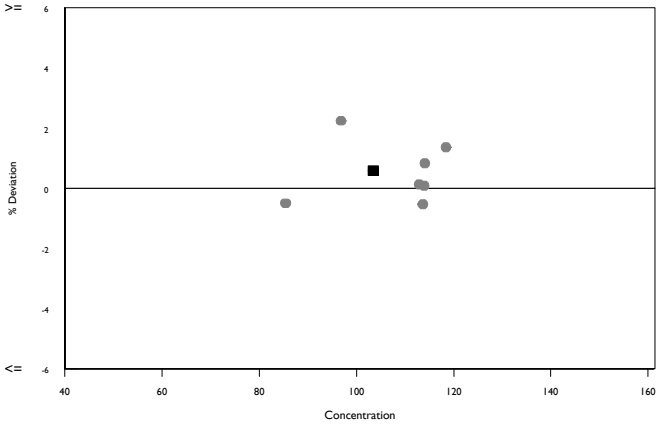


Method	N	Mean	CV%	U_m
ISE, indirect	2853	100.678	2.6	0.06
ISE, direct	1156	102.061	3.0	0.11
Ortho Vitros MicroSlide Systems	149	103.022	1.5	0.16
Colorimetric	115	102.007	3.5	0.42
Other Dry Chemistry	45	100.124	3.4	0.63
Agappe - THIOCYANATE	25	100.617	5.8	1.45
Optical Fluorescence	3	104.133	2.3	1.75
Vitros, DT60/DT60 II/DTE II	2	102.050	7.0	6.31









RIQAS

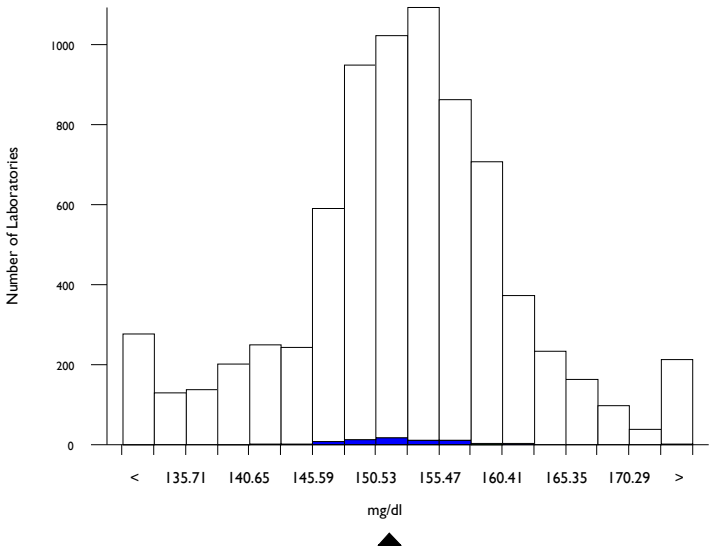
UKAS PROFICIENCY TESTING 0010

Cholesterol, mg/dl

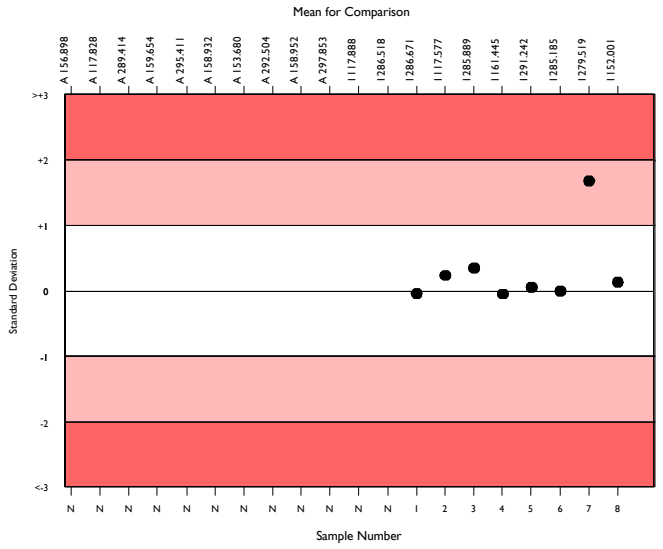
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	6881	153.005	4.3	0.10	8.00	695
Abbott Architect Cholesterol 2	69	152.425	2.5	0.57	7.97	9
Abbott Architect c systems	65	152.001	2.3	0.53	7.95	9

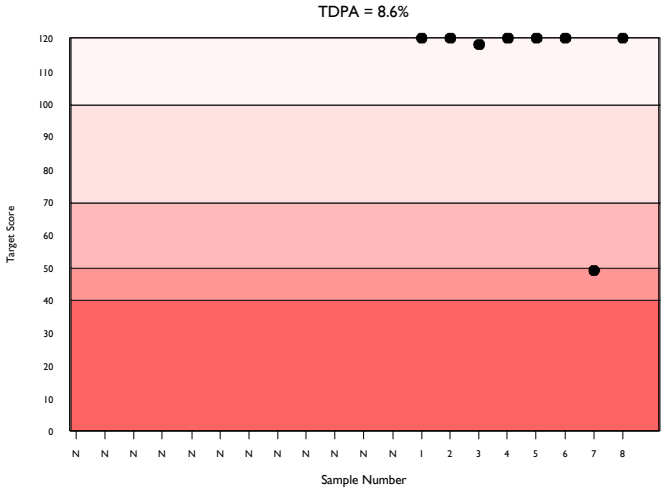
Your Result	153.000	SDI	0.13
		RMSDI	Too Few
Mean for Comparison	152.001	TS	120
		RMTS	Too Few
		%DEV	0.7
		RM%DEV	Too Few

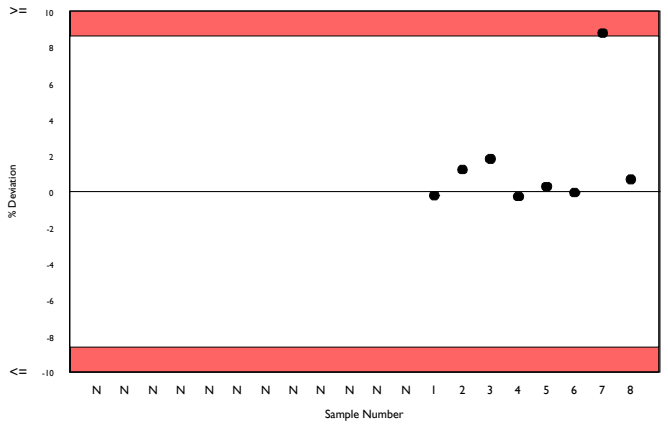
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	8.60%

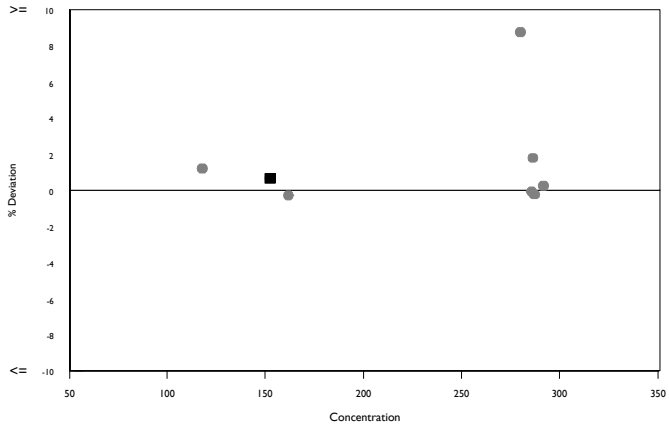


Method	N	Mean	CV%	U_m
Cholesterol Oxidase - Abell Kendall	4849	153.742	4.0	0.11
Cholesterol Oxidase - IDMS	1037	153.869	3.3	0.20
Ortho Vitros MicroSlide Systems	251	147.882	3.6	0.42
Siemens Dimension	237	136.312	4.1	0.45
Cholesterol Dehydrogenase	176	152.422	5.0	0.71
Abbott Alinity Cholesterol 2	104	151.178	1.9	0.34
Agappe - CHOD-PAP	91	145.569	5.9	1.13
Abbott Architect Cholesterol 2	69	152.425	2.5	0.57
Other Dry Chemistry	58	150.121	4.5	1.10
Dimension - non Siemens reagents	4	145.135	8.6	7.77









RIQAS

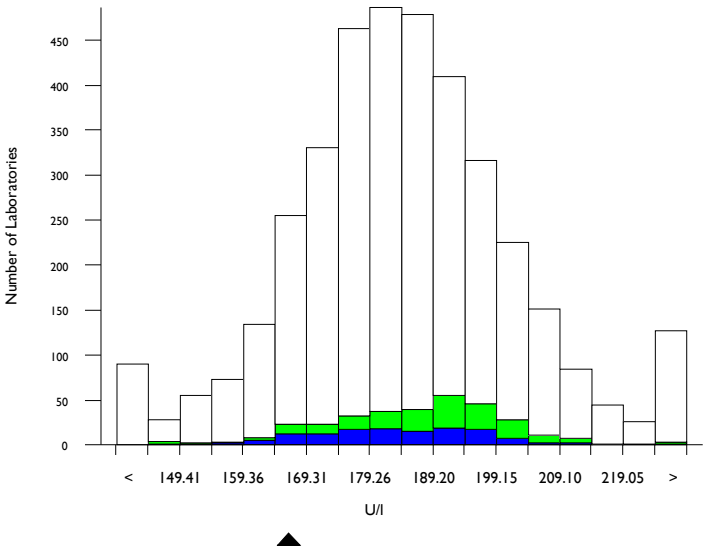
UKAS PROFICIENCY TESTING 0010

CK, Total, U/l @ 37°C

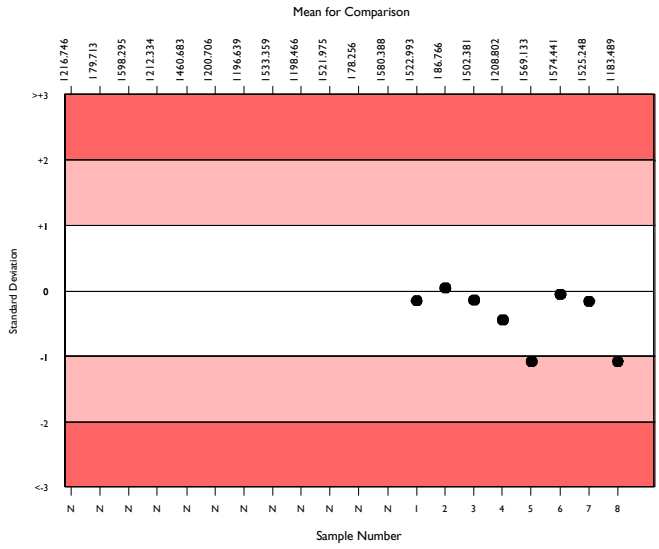
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	3458	184.235	7.2	0.28	13.44	315
Abbott CK-NAC (IFCC)	305	186.934	6.2	0.83	13.64	18
Abbott Architect c systems	125	183.489	6.3	1.29	13.39	6

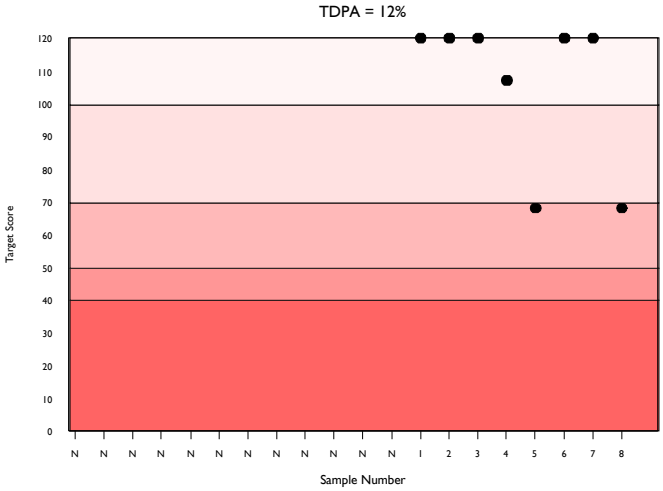
Your Result	169.000	SDI	-1.08
		RMSDI	Too Few
Mean for Comparison	183.489	TS	68
		RMTS	Too Few
		%DEV	-7.9
		RM%DEV	Too Few

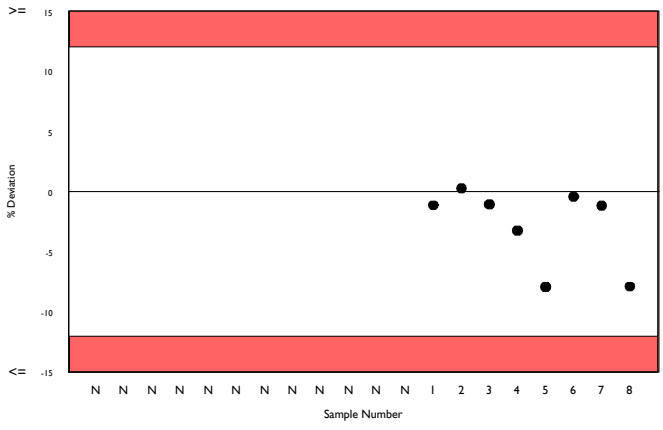
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	12.00%

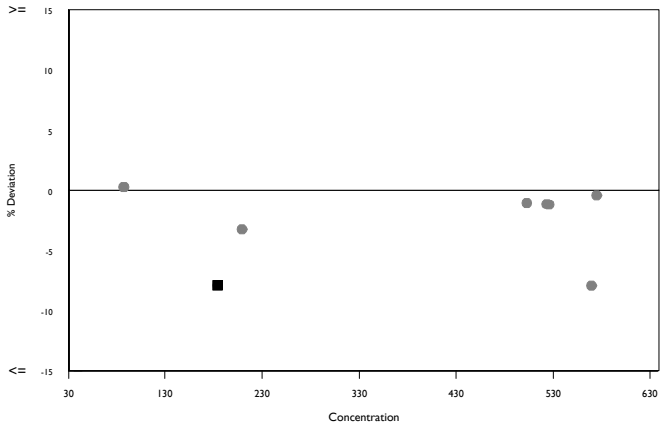


Method	N	Mean	CV%	U_m
CK-NAC (IFCC)	1982	181.812	6.5	0.33
Beckman CK-NAC (IFCC)	489	195.141	5.4	0.60
Abbott CK-NAC (IFCC)	305	186.934	6.2	0.83
Ortho Vitros MicroSlide Systems	162	171.354	8.2	1.39
CK-NAC substrate start (DGKC)	155	183.424	7.7	1.43
Creatine phosphate substrate start	110	179.387	6.9	1.47
CK-NAC serum start (DGKC)	99	182.837	8.2	1.88
Monothioglycerol	54	197.221	5.1	1.71
Agappe - IFCC/KINETIC	33	187.700	5.2	2.13
Other Dry Chemistry	27	272.815	5.2	3.38
Beckman CK-NAC (Extinction Coeff)	19	187.774	9.2	4.96
Dithioerythritol (DTE), IFCC correlated	10	177.390	4.5	3.18
Dithioerythritol (DTE)	2	199.500	1.8	3.12









RIQAS

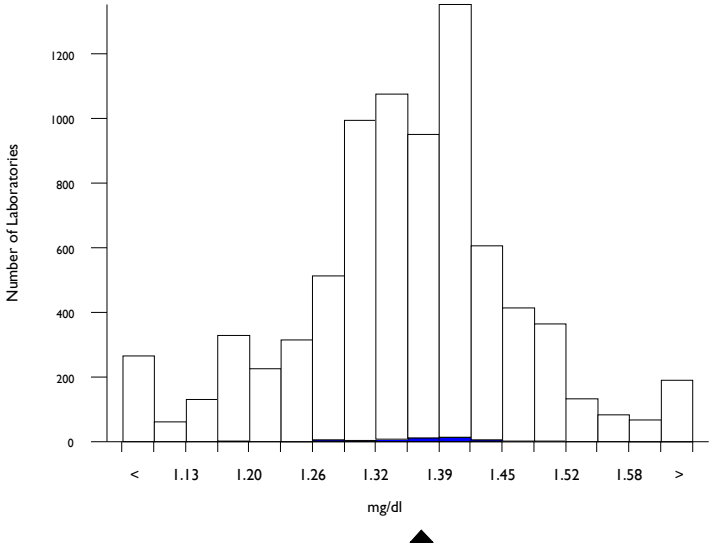
UKAS PROFICIENCY TESTING 0010

Creatinine, mg/dl

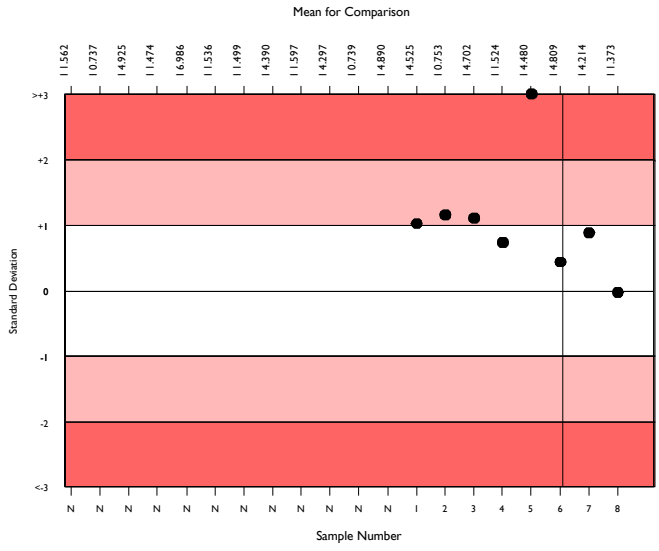
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	7424	1.362	6.3	0.00	0.10	652
Abbott Architect Creatinine 2	55	1.373	3.7	0.01	0.11	7
Abbott Architect c systems	54	1.373	3.8	0.01	0.11	7

▲ Your Result	1.370	SDI	-0.03
		RMSDI	Too Few
Mean for Comparison	1.373	TS	120
		RMTS	Too Few
		%DEV	-0.2
		RM%DEV	Too Few

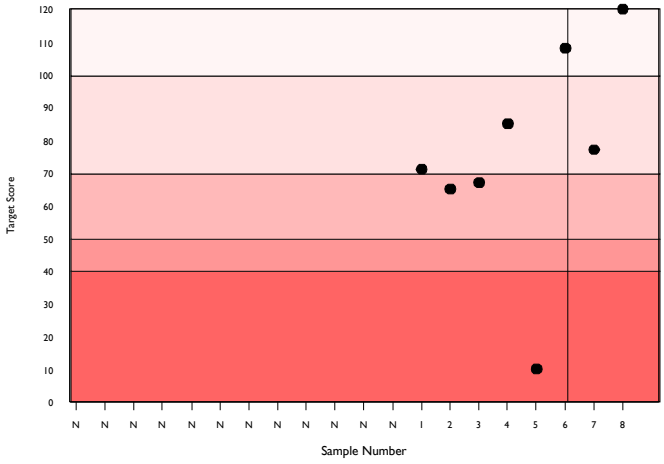
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	12.60%

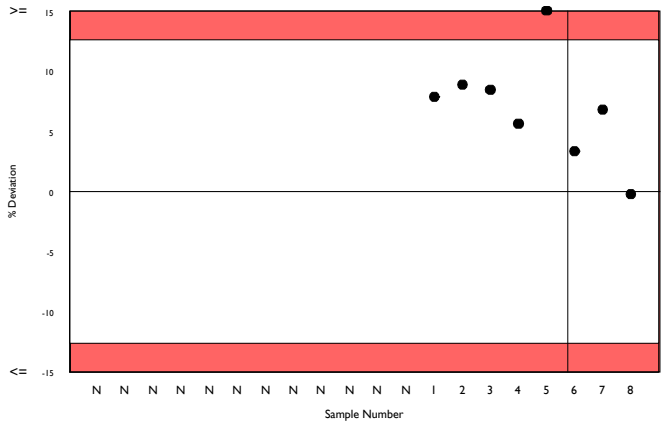


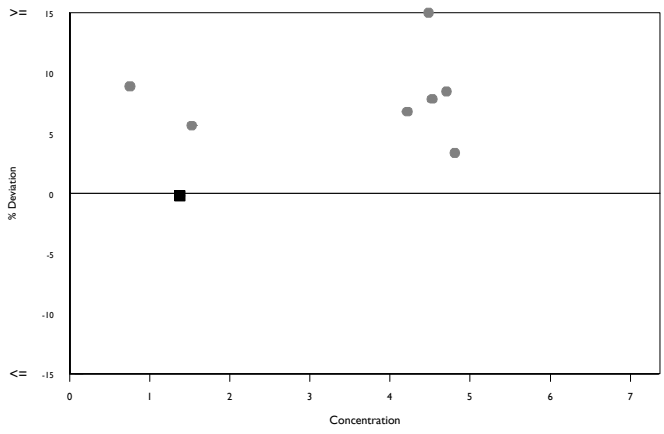
Method	N	Mean	CV%	U_m
Alkaline picrate no deproteinisation	1846	1.366	7.4	0.00
Jaffe rate blanked	1713	1.367	6.6	0.00
Jaffe rate blanked comp. (-26umol/l)	882	1.373	4.7	0.00
Enzymatic UV method (340nm)	396	1.375	4.4	0.00
Jaffe rate comp. (-18umol/l)	388	1.319	6.0	0.00
Roche Creatinine Plus	359	1.403	3.4	0.00
IDMS traceable	368	1.332	6.7	0.01
Other enzymatic methods	340	1.367	4.2	0.00
Creatinine PAP method	335	1.365	5.7	0.01
Vitros, IDMS traceable	185	1.306	4.1	0.00
Alkaline picrate with deproteinisation	173	1.377	7.5	0.01
Other Dry Chemistry	103	1.275	5.5	0.01
Agappe - JAFFE'S KINETIC	63	1.354	6.7	0.01
Abbott Architect Creatinine 2	55	1.373	3.7	0.01
Jaffe rate blanked comp. (-33umol/l)	53	1.371	7.3	0.02
Abbott Alinity Creatinine 2	55	1.373	4.3	0.01
Vitros DT60/DT60 II/DTSC II	31	1.324	3.2	0.01
Agappe - ENZYMATIC	33	1.368	5.6	0.02



TDPA = 12.6%







RIQAS

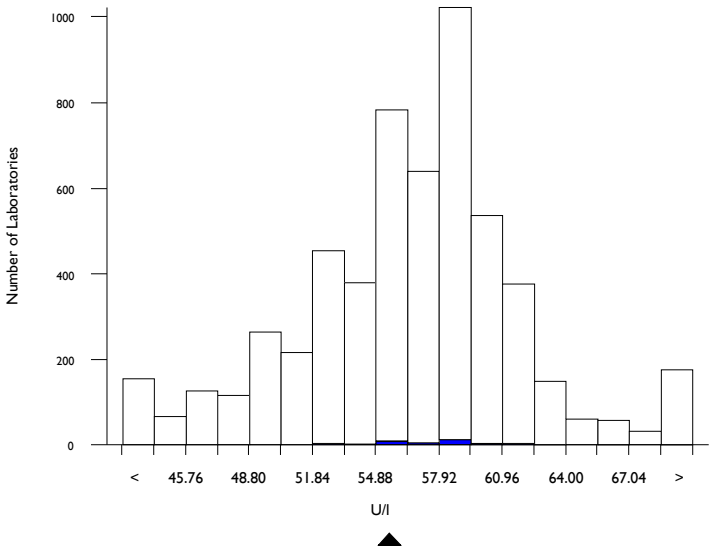
UKAS PROFICIENCY TESTING 0010

GGT, U/l @ 37°C

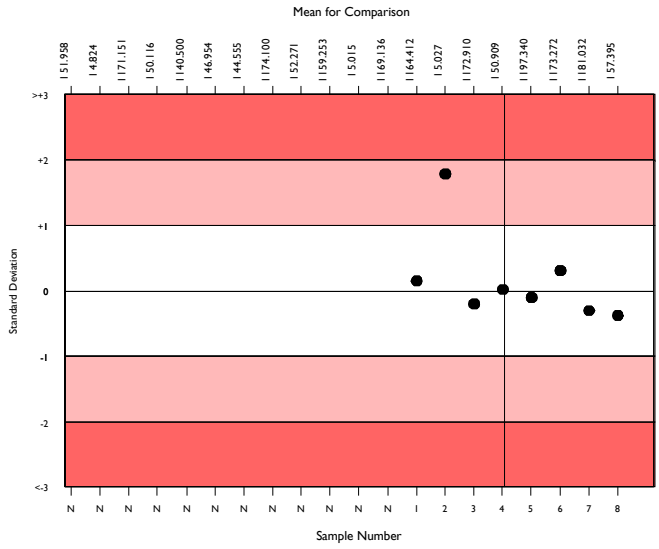
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	5147	56.402	7.2	0.07	6.14	457
Abbott Architect GGT 2	39	57.375	4.0	0.46	6.24	4
Abbott Architect c systems	37	57.395	4.0	0.48	6.25	4

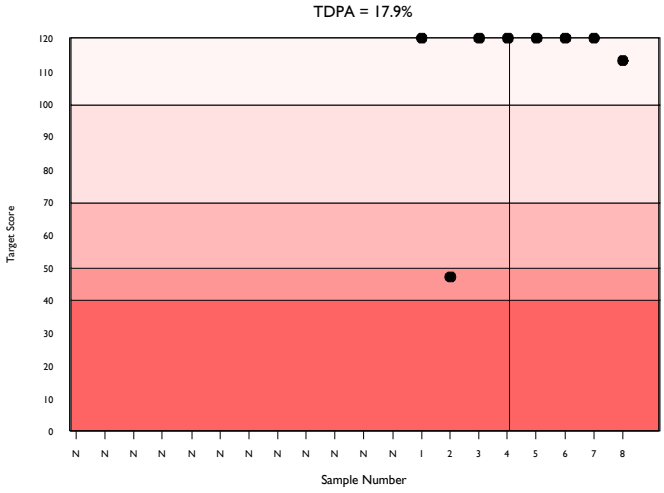
▲ Your Result	55.000	SDI	-0.38
		RMSDI	Too Few
Mean for Comparison	57.395	TS	113
		RMTS	Too Few
		%DEV	-4.2
		RM%DEV	Too Few

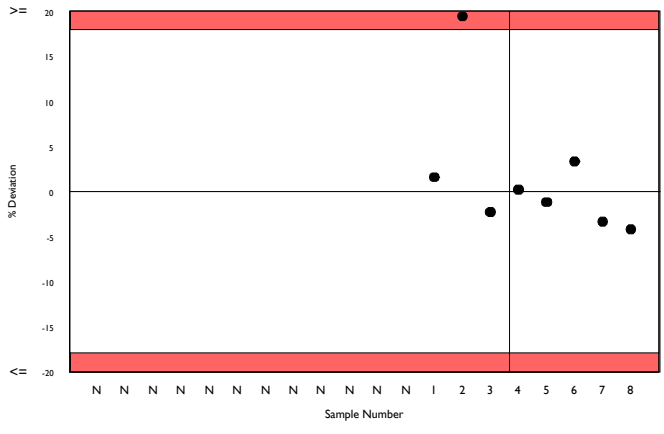
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	17.90%

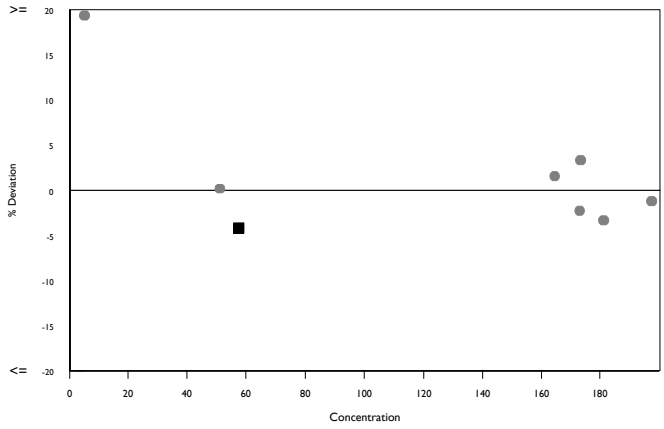


Method	N	Mean	CV%	U_m
Gamma glut'3-carb'4-nitro(IFCC)	3360	56.886	6.2	0.08
Gamma glut.-3-carb.-4-nitro.	904	54.026	8.1	0.18
Ortho Vitros MicroSlide Systems	172	59.768	3.5	0.20
Siemens Dimension	153	68.450	6.3	0.44
Abbott Alinity GGT 2	131	56.380	3.8	0.23
Gamma glutamyl-4-nitroanilide	119	53.889	9.8	0.61
DCL, gamma glut.-3-carb.-4-nitro.	101	56.380	5.9	0.41
Beckman Szasz (Extinction Coeff.)	74	56.845	6.4	0.53
Agappe - SZASZ KINETIC	59	57.499	6.1	0.57
Other Dry Chemistry	45	45.867	4.9	0.42
Abbott Architect GGT 2	39	57.375	4.0	0.46
Randox Colorimetric	7	57.766	10.6	2.88
Vitros, DT60/DT60 II/DTSC II	2	61.200	6.5	3.50









RIQAS

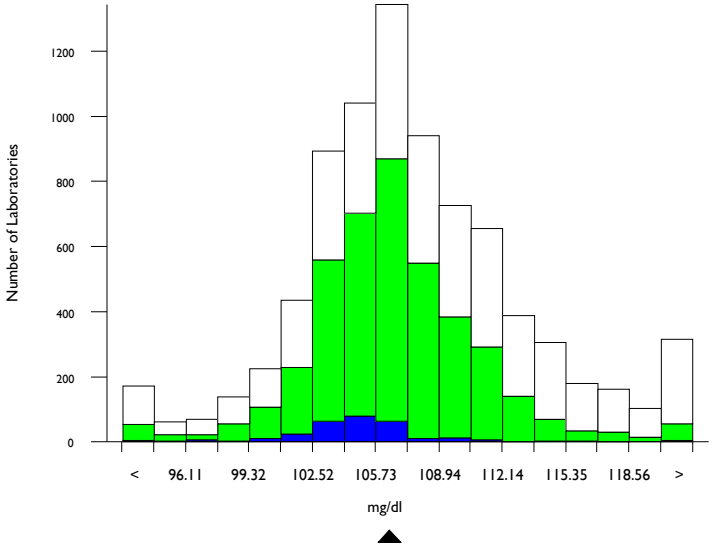
UKAS PROFICIENCY TESTING 0010

Glucose, mg/dl

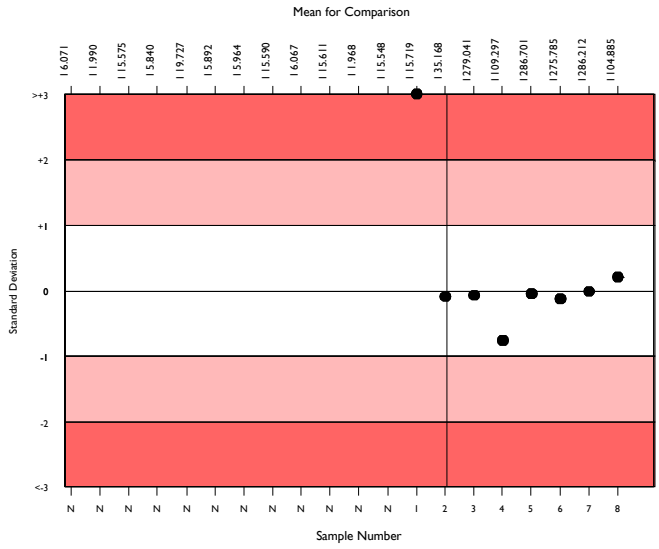
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	7499	107.339	4.0	0.06	5.55	650
Hexokinase	3896	106.564	2.9	0.06	5.51	289
Abbott Architect c systems	266	104.885	2.0	0.16	5.42	33

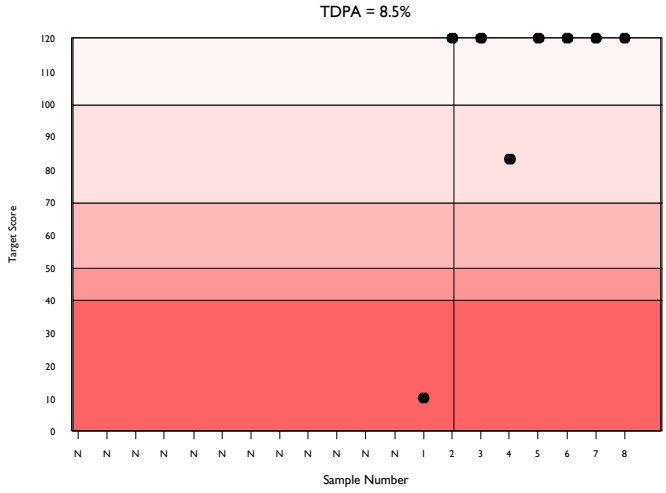
▲ Your Result	106.000	SDI	0.21
		RMSDI	Too Few
Mean for Comparison	104.885	TS	120
		RMTS	Too Few
		%DEV	1.1
		RM%DEV	Too Few

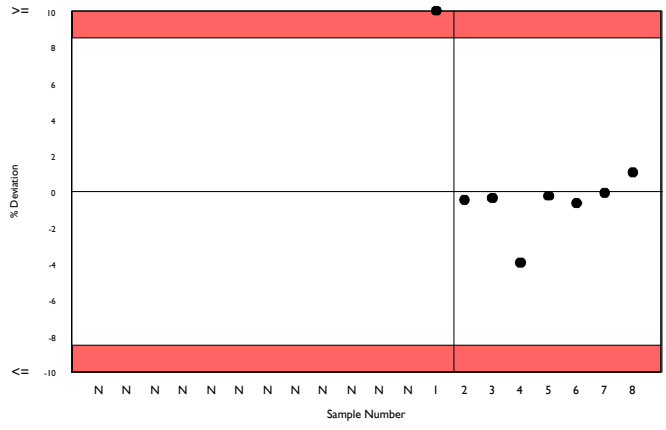
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	8.50%

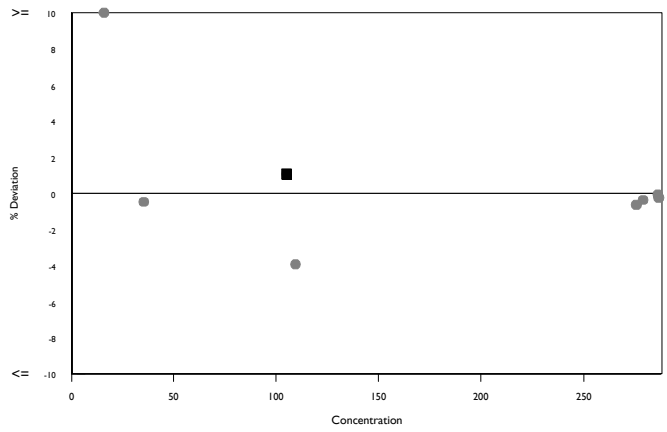


Method	N	Mean	CV%	U_m
Hexokinase	3896	106.564	2.9	0.06
Glucose oxidase	3121	108.752	5.3	0.13
Ortho Vitros MicroSlide Systems	250	106.027	2.7	0.23
Agappe - GOD-PAP	82	109.831	3.8	0.58
Glucose dehydrogenase	76	107.878	4.7	0.73
Other Dry Chemistry	52	107.040	2.7	0.49
GOD/02-Beckman method	42	108.588	3.7	0.78
Oxygen electrode	10	107.193	2.6	1.10
Pyranose Oxidase / Peroxidase	3	108.533	1.1	0.87









RIQAS

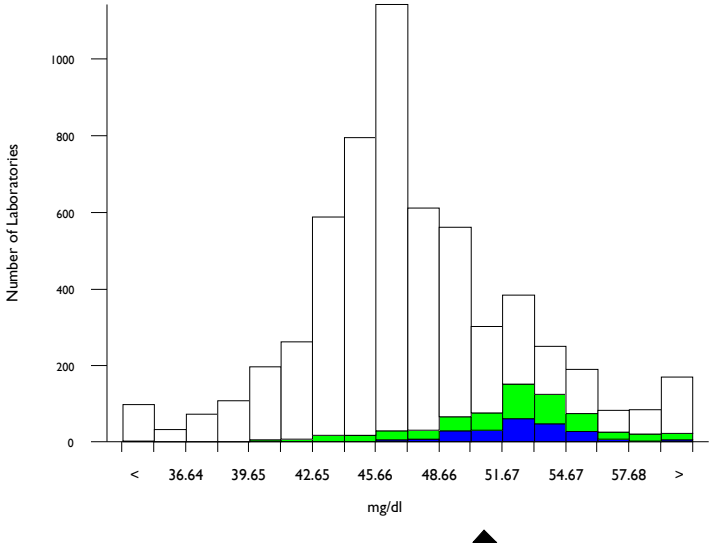
UKAS PROFICIENCY TESTING 0010

HDL-Cholesterol, mg/dl

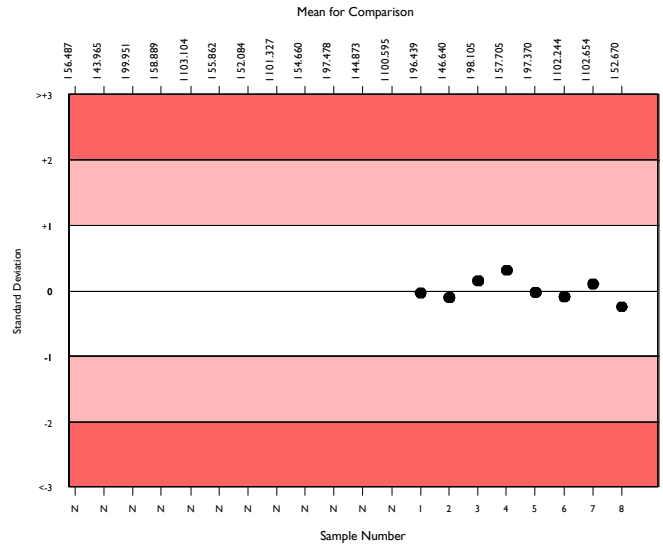
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	5479	47.166	8.5	0.07	6.05	435
HDL Ultra/Accel Selective Detergent	614	52.278	5.8	0.15	6.70	59
Abbott Architect c systems	206	52.670	3.9	0.18	6.75	16

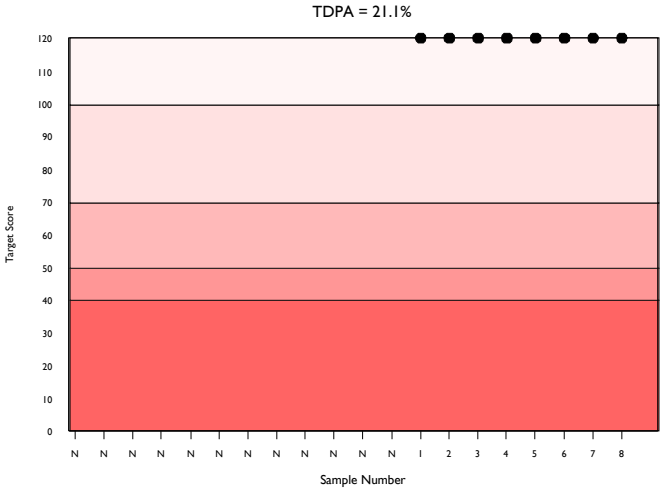
Your Result	51.000	SDI	-0.25
		RMSDI	Too Few
Mean for Comparison	52.670	TS	120
		RMTS	Too Few
		%DEV	-3.2
		RM%DEV	Too Few

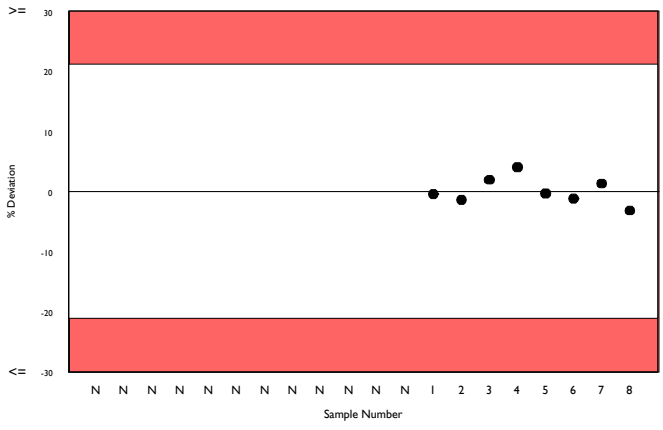
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	21.10%

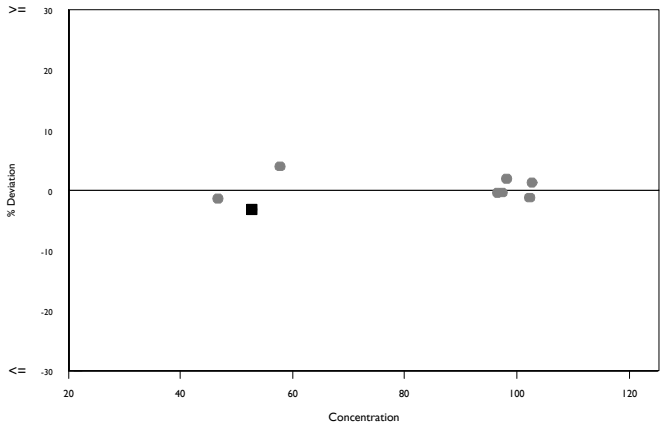


Method	N	Mean	CV%	U_m
Direct HDL, Roche 4th gen.	1404	46.003	3.7	0.05
Direct HDL, Clearance method	1122	46.473	11.0	0.19
Direct HDL, Immunoseparation	964	45.485	7.7	0.14
HDL Ultra/Accel Selective Detergent	614	52.278	5.8	0.15
Direct HDL, PEGME	518	47.758	8.1	0.21
Direct HDL, PPD	416	48.485	9.5	0.28
Vitros dHDL, PTA/MgCl2 direct precip.	183	48.099	5.0	0.22
Agappe - SELECTIVE INHIBITION	77	47.004	8.4	0.56
Other Dry Chemistry	73	48.346	4.9	0.34
Vitros, Magnetic HDL	25	47.694	4.9	0.58
Vitros 5.1 FS Microtip assay	14	48.708	6.8	1.10









RIQAS

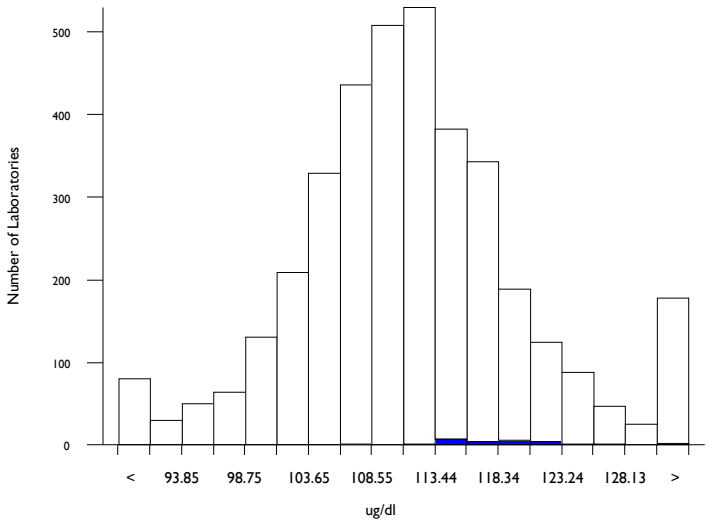
UKAS PROFICIENCY TESTING 0010

Iron, ug/dl

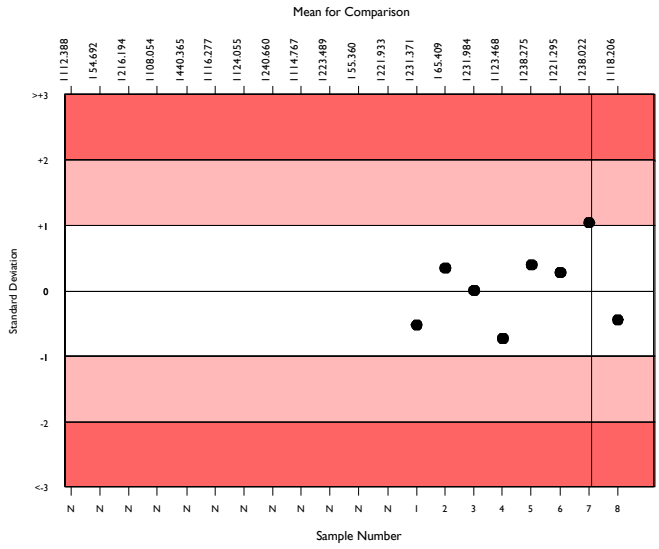
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	3419	110.999	5.9	0.14	6.75	316
Abbott Architect Iron 2	24	118.206	3.2	0.96	7.19	3
Abbott Architect c systems	24	118.206	3.2	0.96	7.19	2

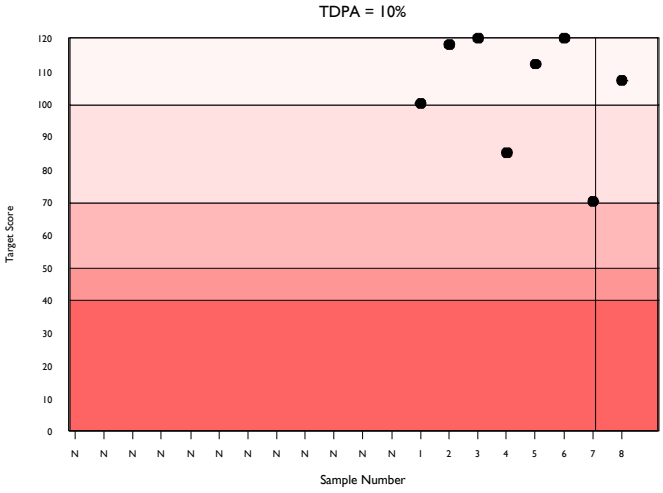
Your Result	115.000	SDI	-0.45
		RMSDI	Too Few
Mean for Comparison	118.206	TS	107
		RMTS	Too Few
		%DEV	-2.7
		RM%DEV	Too Few

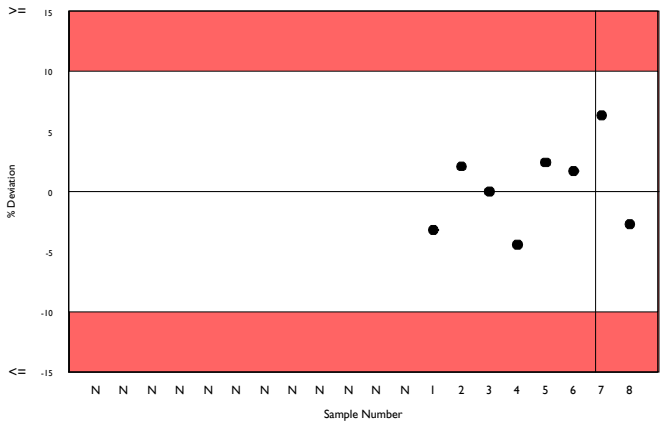
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	10.00%

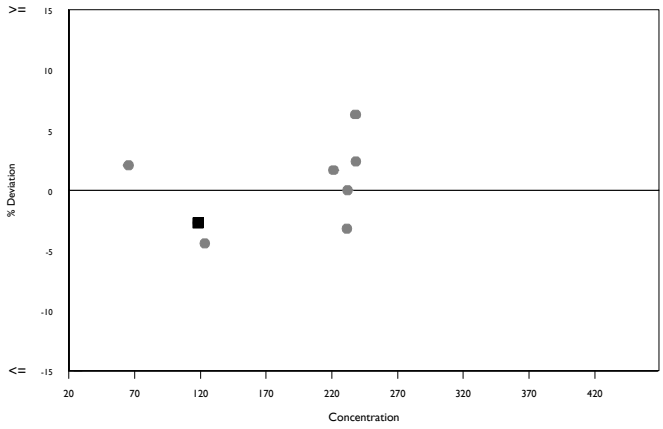


Method	N	Mean	CV%	U_m
Colorimetric without ppt.	2659	111.025	5.6	0.15
Colorimetric with ppt.	424	110.056	6.1	0.41
Ortho Vitros MicroSlide Systems	165	107.125	7.0	0.73
Abbott Alinity Iron 2	52	117.031	2.0	0.40
Other method with blank	29	109.316	4.8	1.21
Agappe - CHROMAZUROL	24	127.436	3.9	1.27
Abbott Architect Iron 2	24	118.206	3.2	0.96
Other method without blank	12	109.245	4.2	1.67
Optical Emission Spectroscopy	13	106.122	19.0	6.98
Other Dry Chemistry	11	108.475	5.3	2.18
Vitros DT60/DT60 II/DTSC II	2	106.602	10.1	9.50









RIQAS

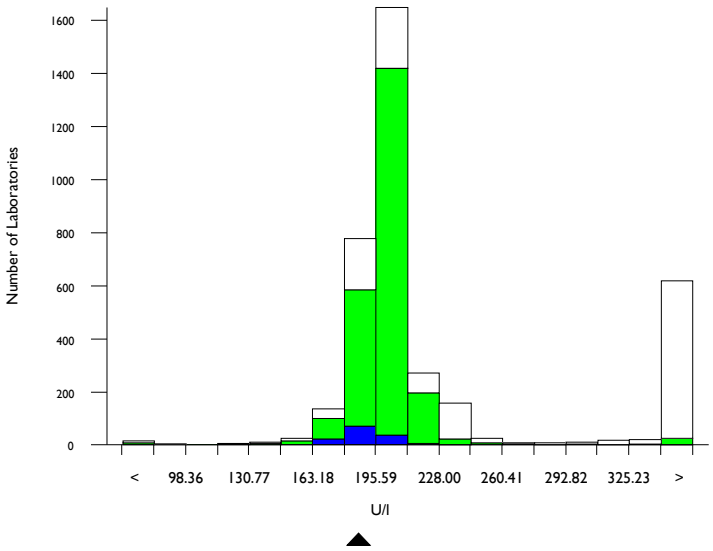
UKAS PROFICIENCY TESTING 0010

LD (LDH), U/l @ 37°C

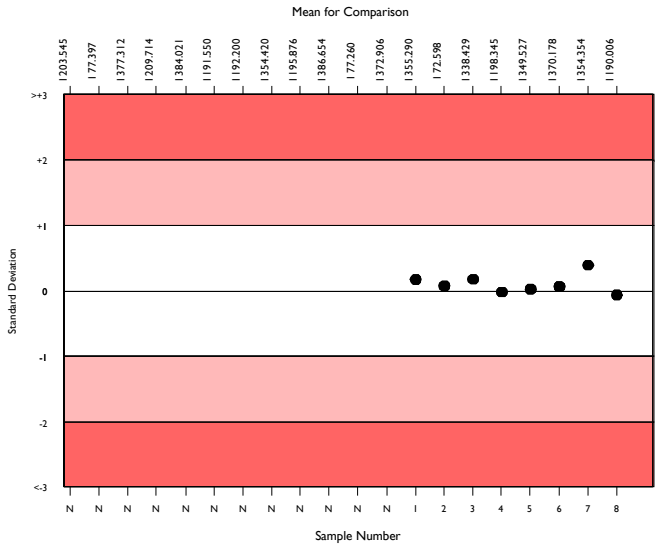
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	3294	211.798	20.4	0.94	16.48	462
L to P, IFCC	2178	199.961	4.0	0.22	15.56	219
Abbott Architect c systems	129	190.006	4.7	0.97	14.79	9

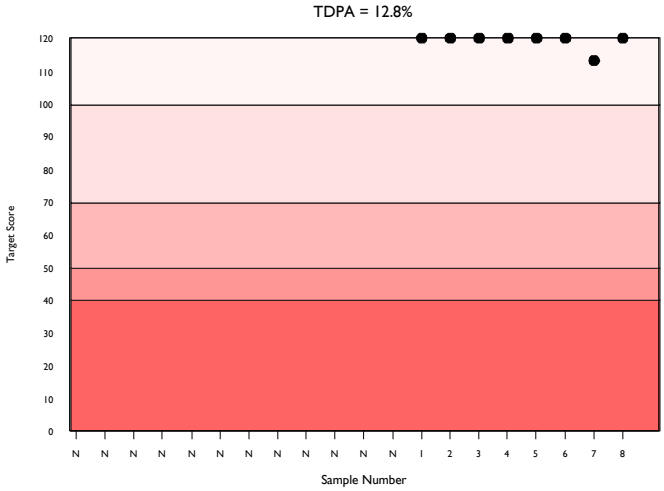
Your Result	189.000	SDI	-0.07
		RMSDI	Too Few
Mean for Comparison	190.006	TS	120
		RMTS	Too Few
		%DEV	-0.5
		RM%DEV	Too Few

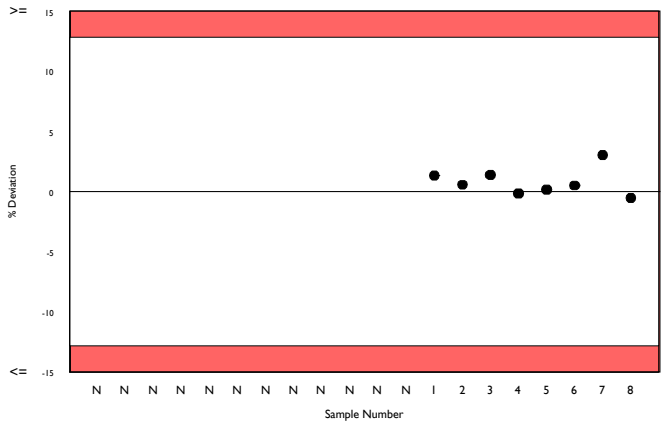
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	12.80%

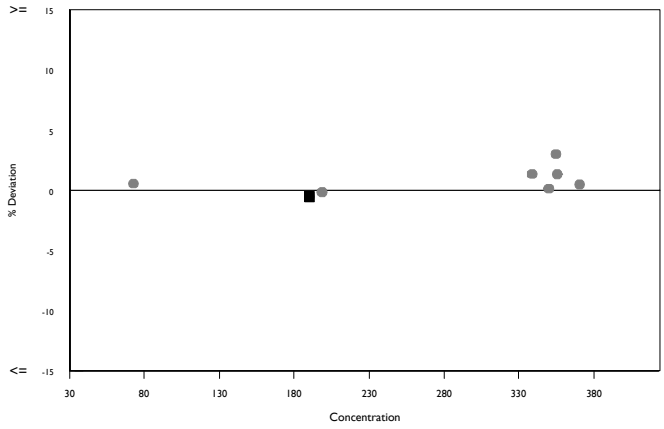


Method	N	Mean	CV%	U_m
L to P, IFCC	2178	199.961	4.0	0.22
P to L, German methods	317	392.219	7.8	2.15
Lactate to Pyruvate methods	222	199.755	5.3	0.89
P to L, SFBC / SEQC	112	394.883	8.0	3.71
Ortho Vitros IFCC Traceable	108	234.243	2.4	0.66
P to L, Scandinavian & Dutch	88	409.138	8.9	4.85
L to P Beckman (Extinction Coeff)	85	193.662	6.2	1.64
L to P Siemens/Dade, Non-IFCC	59	195.152	5.6	1.76
Ortho Vitros MicroSlide Systems	55	233.264	3.8	1.49
Abbott Alinity LD 2	45	194.740	4.3	1.56
Agappe - SCE	36	406.571	3.2	2.74
Other Dry Chemistry	28	192.286	3.9	1.76
Abbott Architect LD 2	20	194.236	4.1	2.23
Pyruvate 1.4 mM - Beckman LD-P	7	187.114	8.8	7.81
Vitros, DT60/DT60 II/DTSC II	2	218.000	8.4	16.25









RIQAS

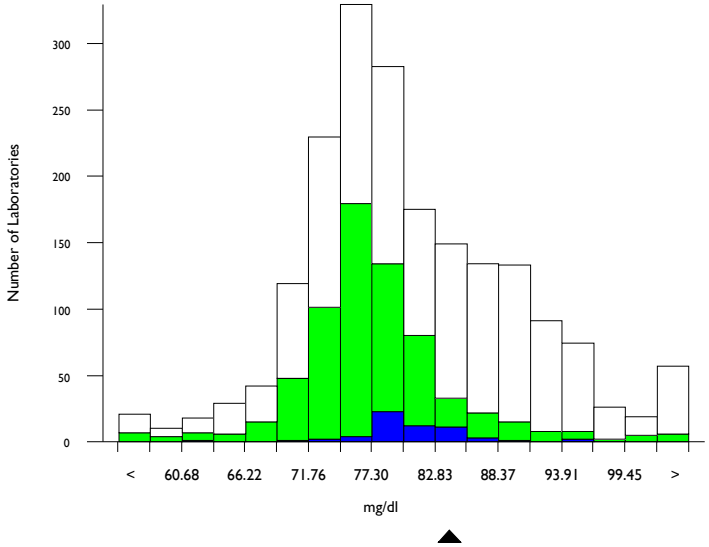
UKAS PROFICIENCY TESTING 0010

LDL-Cholesterol, mg/dl

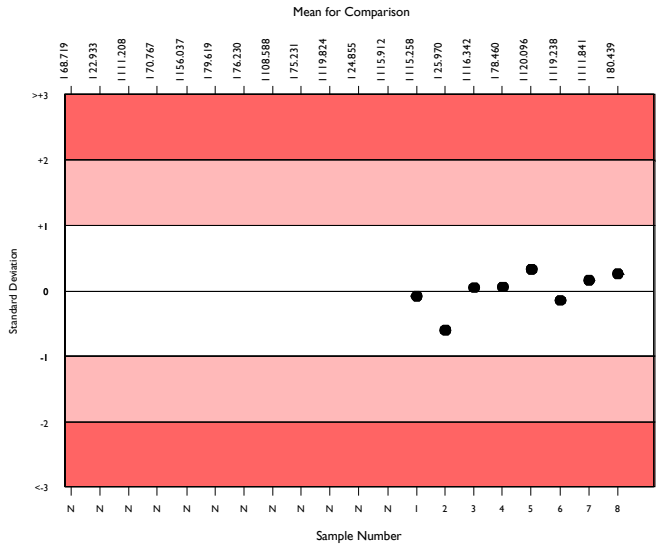
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	1799	80.070	9.2	0.22	10.03	138
Selective detergent methods	616	76.948	5.6	0.22	9.63	64
Abbott Architect c systems	52	80.439	3.4	0.47	10.07	8

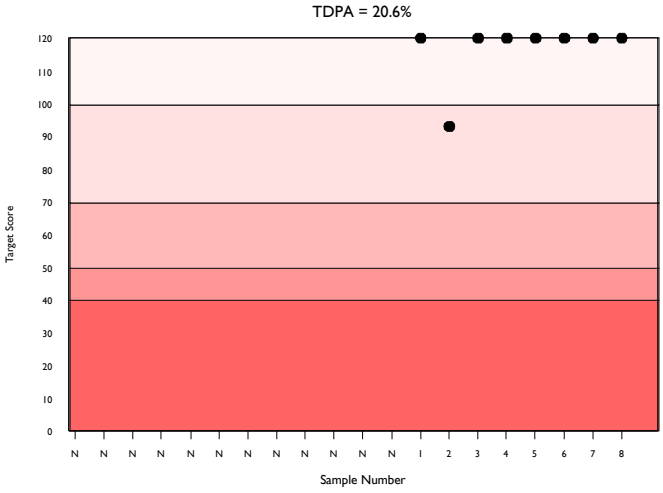
▲ Your Result	83.000	SDI	0.25
		RMSDI	Too Few
Mean for Comparison	80.439	TS	120
		RMTS	Too Few
		%DEV	3.2
		RM%DEV	Too Few

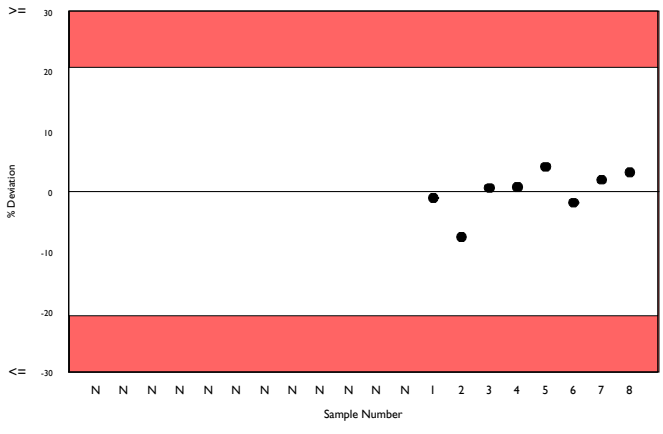
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	20.60%

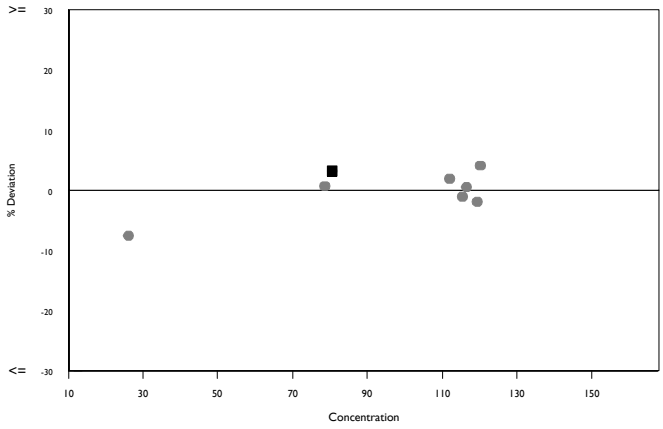


Method	N	Mean	CV%	U_m
Other direct methods	632	79.219	9.3	0.37
Selective detergent methods	616	76.948	5.6	0.22
Sel.detergent Beckman OSR6x83	208	91.052	4.3	0.34
Calculated	151	83.945	8.1	0.69
Sel.detergent Beckman OSR6x96	39	77.037	9.0	1.39
Ortho Vitros MicroSlide Systems	31	76.099	4.8	0.81
Agappe - SELECTIVE SOLUBILISATION	24	80.078	9.9	2.03
Other Precipitation methods	16	77.211	7.3	1.77
Other Dry Chemistry	16	85.370	21.4	5.72
Polyvinyl Sulphate Precipitation	14	75.534	13.9	3.50
Siemens Atellica LDLC	10	76.011	2.7	0.82
Heparin precipitation	9	80.345	16.8	5.63
Zwitterionic Detergent	3	86.795	25.0	15.64









RIQAS

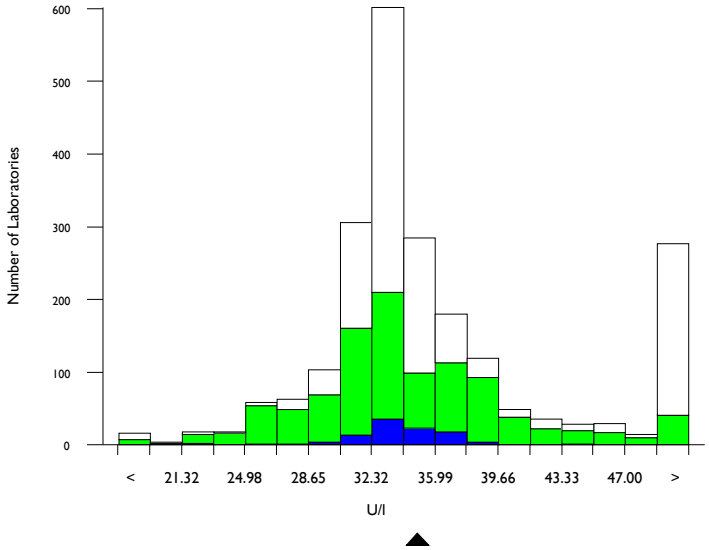
UKAS PROFICIENCY TESTING 0010

Lipase, U/l @ 37°C

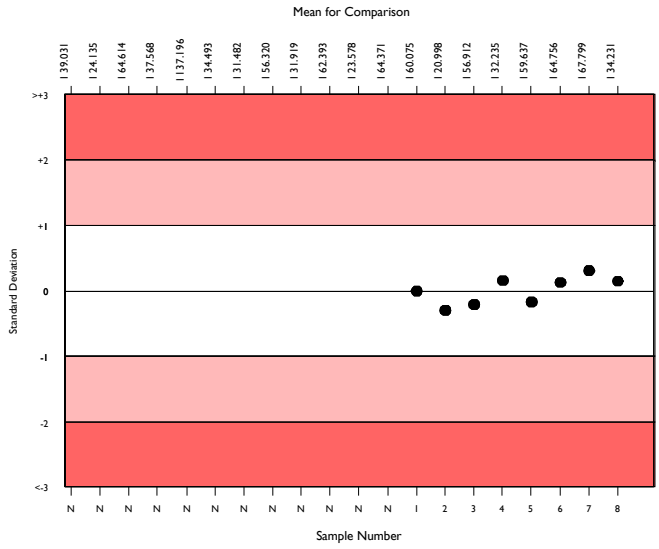
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	1937	34.161	14.3	0.14	5.34	263
Other Colorimetric	932	33.552	12.6	0.17	5.24	101
Abbott Architect c systems	92	34.231	5.0	0.22	5.35	10

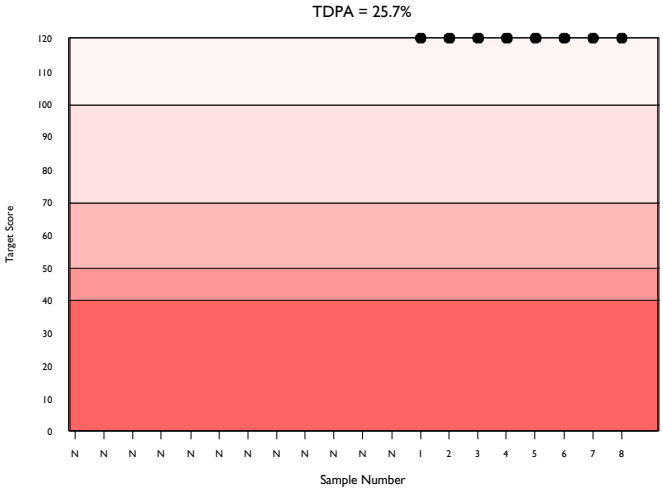
▲ Your Result	35.000	SDI	0.14
		RMSDI	Too Few
Mean for Comparison	34.231	TS	120
		RMTS	Too Few
		%DEV	2.2
		RM%DEV	Too Few

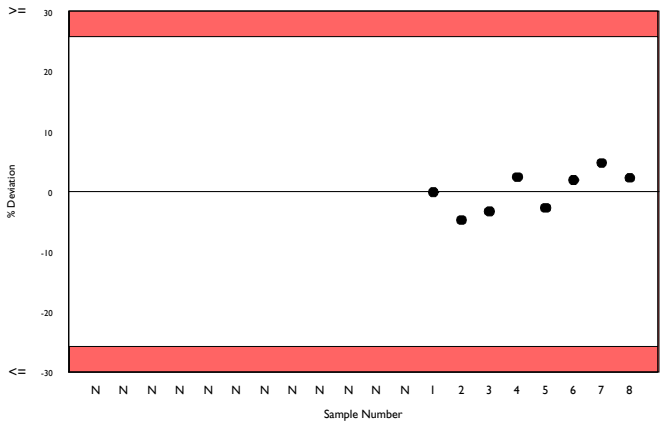
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	25.70%

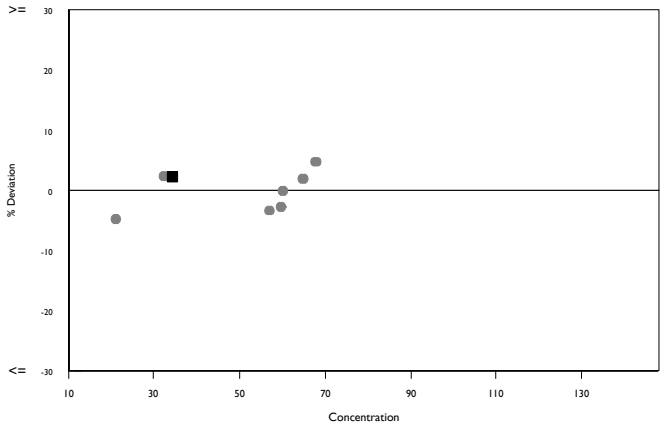


Method	N	Mean	CV%	U_m
Other Colorimetric	932	33.552	12.6	0.17
Colorimetric Roche ACN(8)731/ID 0-100	378	33.420	3.8	0.08
Colorimetric Roche ACN(8)789/ID 0-052	259	33.646	3.6	0.09
Ortho Vitros MicroSlide Systems	130	202.174	3.9	0.86
Roche Turbidimetric with colipase	58	33.442	4.9	0.27
Colorimetric Randox	52	40.510	15.4	1.08
Agappe - METHYL RESORUFIN	41	59.959	31.7	3.71
Colorimetric Dimension (LIPL Kit)	36	120.454	15.3	3.85
Colorimetric Dimension (LIP Kit)	28	36.457	5.8	0.50
Other Turbidimetric with colipase	22	34.399	9.0	0.83
Other Dry Chemistry	16	33.250	7.2	0.75
Turbidimetric without colipase	7	31.230	10.6	1.56
Randox Turbidimetric with colipase	7	34.450	10.0	1.63
Colorimetric Sigma	2	37.400	12.9	4.25
Vitros, DT60/DT60 II/DTSC II	2	193.500	6.9	11.87









RIQAS

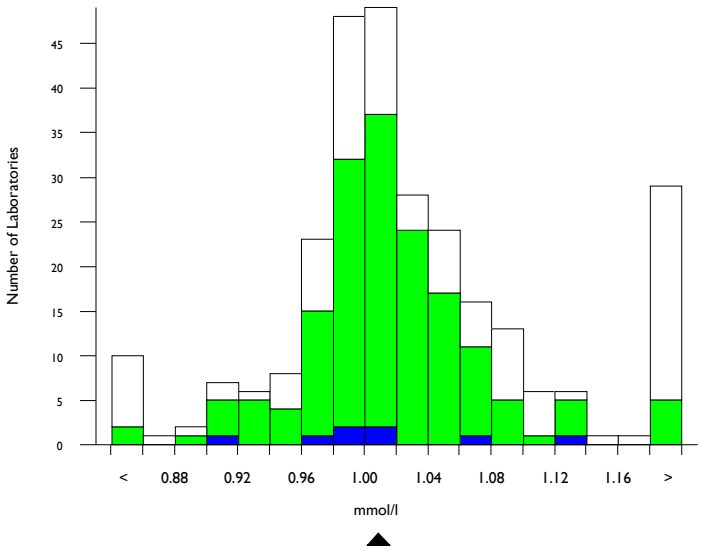
UKAS PROFICIENCY TESTING 0010

Lithium, mmol/l

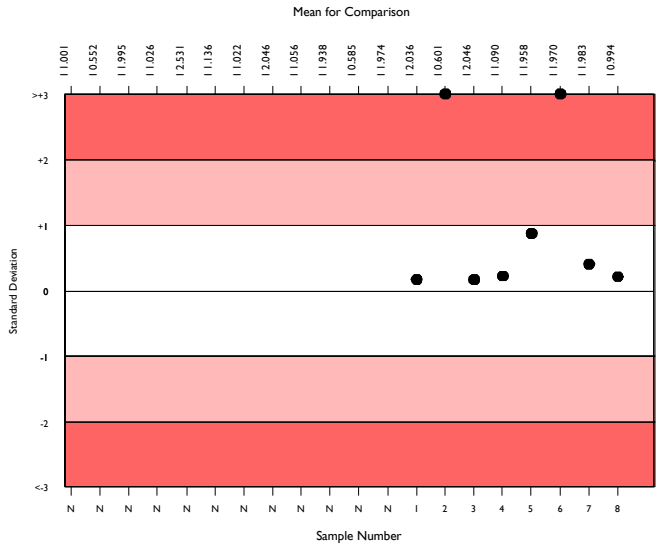
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	241	1.021	5.2	0.00	0.07	37
Spectrophotometric	150	1.016	3.6	0.00	0.07	19
Abbott Architect c systems	7	0.994	4.6	0.02	0.07a	1

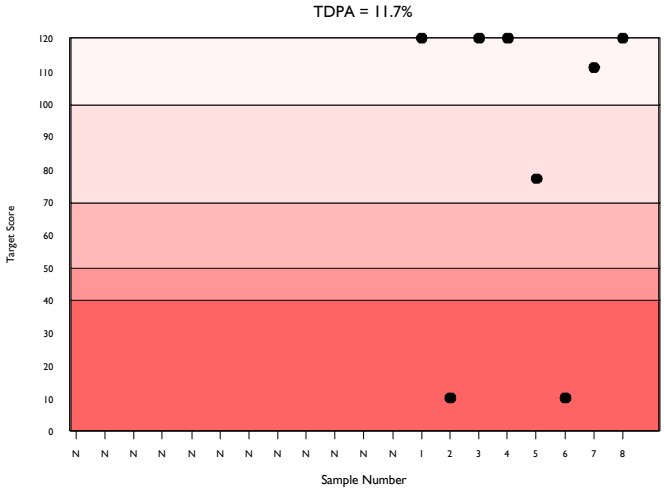
▲ Your Result	1.010	SDI	0.21
		RMSDI	Too Few
Mean for Comparison	0.994	TS	120
		RMTS	Too Few
		%DEV	1.6
		RM%DEV	Too Few

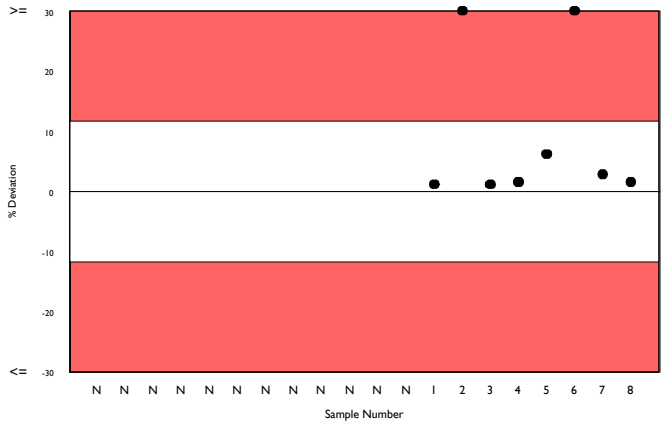
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	11.70%

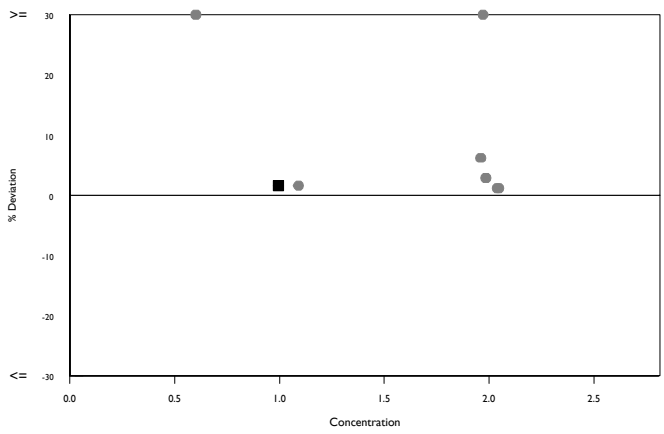


Method	N	Mean	CV%	U_m
Spectrophotometric	150	1.016	3.6	0.00
Ion selective electrode	47	1.011	6.4	0.01
Ortho Vitros MicroSlide Systems	29	1.190	10.7	0.03
Flame photometry	10	1.020	5.2	0.02
Atomic absorption	6	1.038	4.1	0.02
Other Dry Chemistry	4	1.071	4.5	0.03









RIQAS

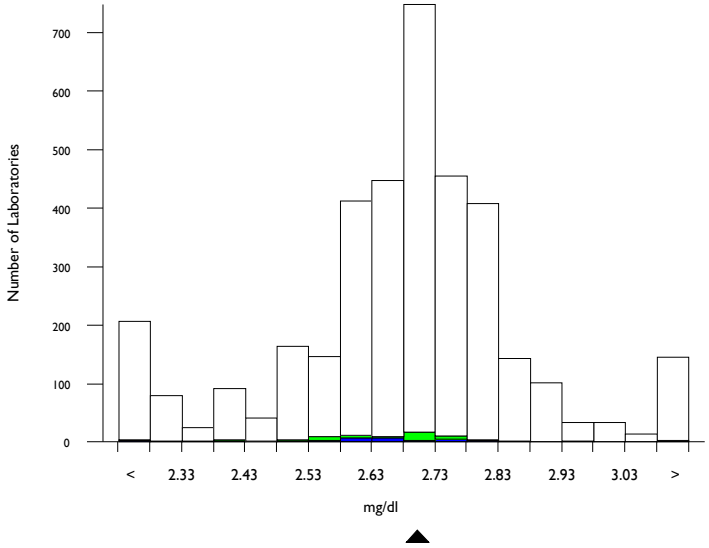
UKAS PROFICIENCY TESTING 0010

Magnesium, mg/dl

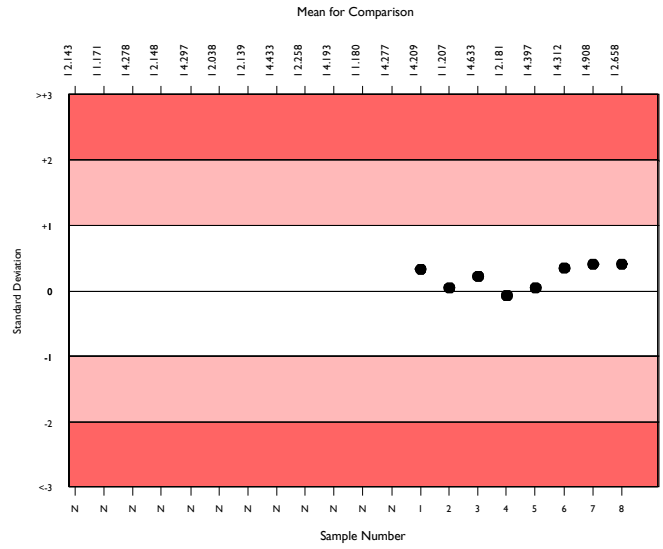
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	3339	2.688	5.0	0.00	0.18	347
Arsenazo	70	2.652	3.8	0.02	0.18	10
Abbott Architect c systems	30	2.658	3.6	0.02	0.18	6

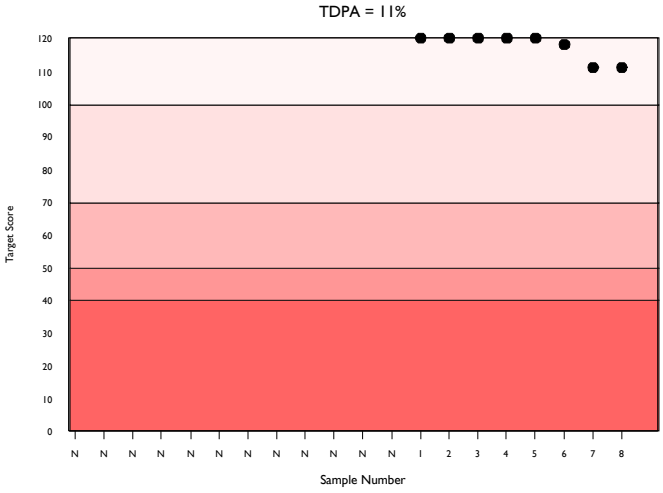
▲ Your Result	2.730	SDI	0.41
		RMSDI	Too Few
Mean for Comparison	2.658	TS	111
		RMTS	Too Few
		%DEV	2.7
		RM%DEV	Too Few

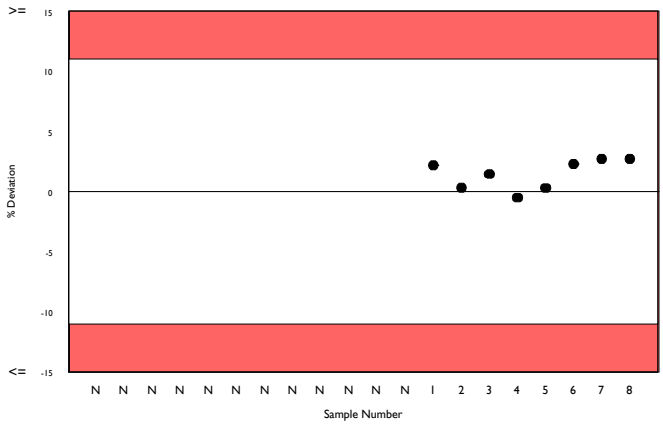
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	11.00%

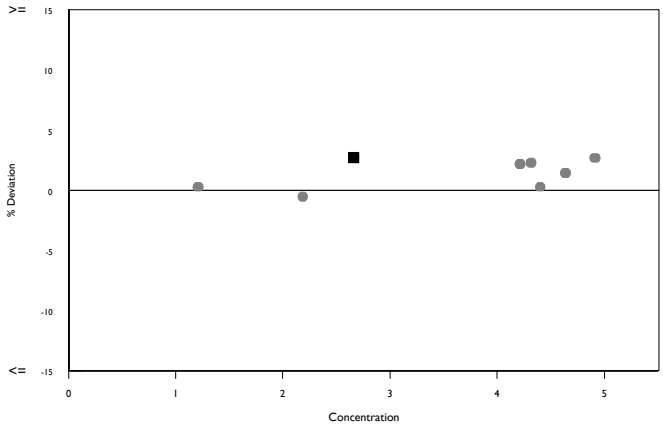


Method	N	Mean	CV%	U_m
Xylidyl Blue	1854	2.694	5.4	0.00
Enzymatic	398	2.671	3.4	0.01
Chlorphosphonazo III	296	2.727	2.7	0.01
Methylthymol blue	220	2.666	3.6	0.01
Ortho Vitros MicroSlide Systems	189	2.698	3.5	0.01
Calmagite	148	2.542	11.0	0.03
Arsenazo	70	2.652	3.8	0.02
Atomic absorption	64	2.733	2.7	0.01
Agappe - XYLIDYL BLUE	29	2.812	5.0	0.03
Other Dry Chemistry	28	2.903	6.1	0.04
Other magnesium dyes	13	2.762	16.7	0.16
Vitros, DT60/DT60 II/DTSC II	2	2.470	16.0	0.35









RIQAS

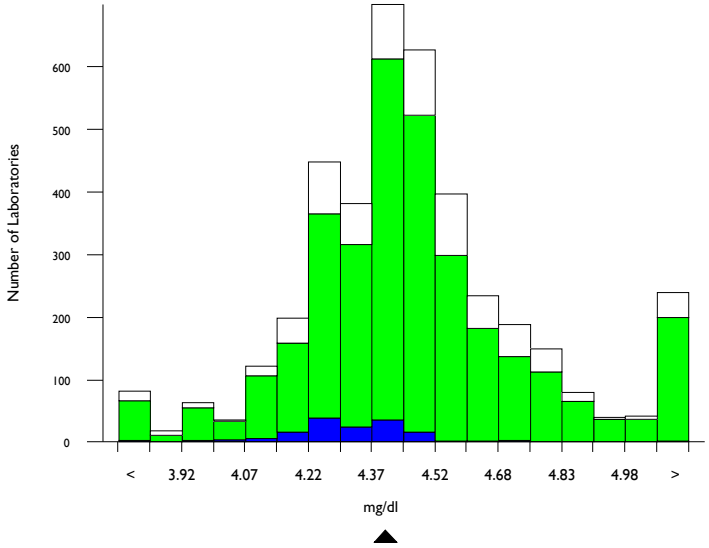
UKAS PROFICIENCY TESTING 0010

Phosphate, Inorganic, mg/dl

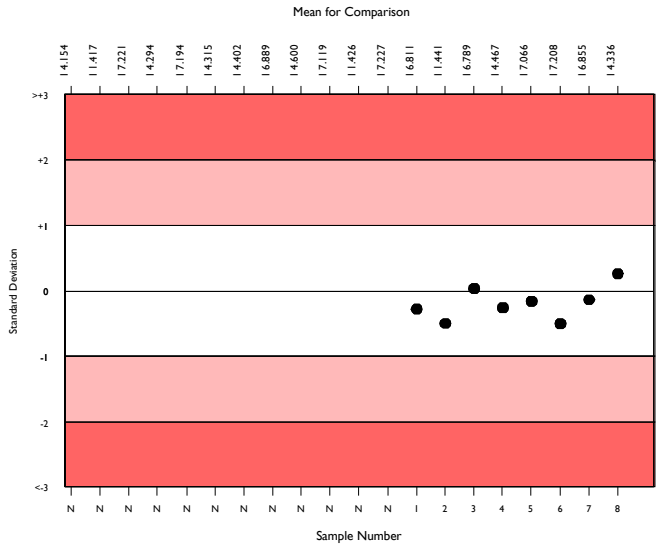
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	3695	4.454	4.5	0.00	0.25	337
Phosphomolybdate UV	3038	4.448	4.6	0.00	0.25	267
Abbott Architect c systems	134	4.336	2.2	0.01	0.25	12

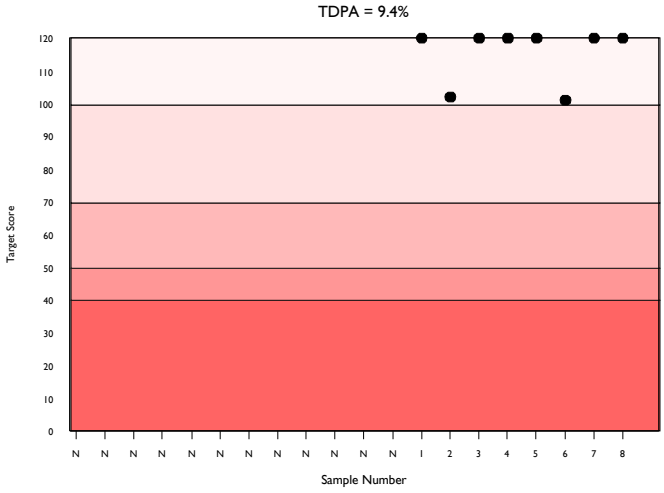
Your Result	4.400	SDI	0.26
		RMSDI	Too Few
Mean for Comparison	4.336	TS	120
		RMTS	Too Few
		%DEV	1.5
		RM%DEV	Too Few

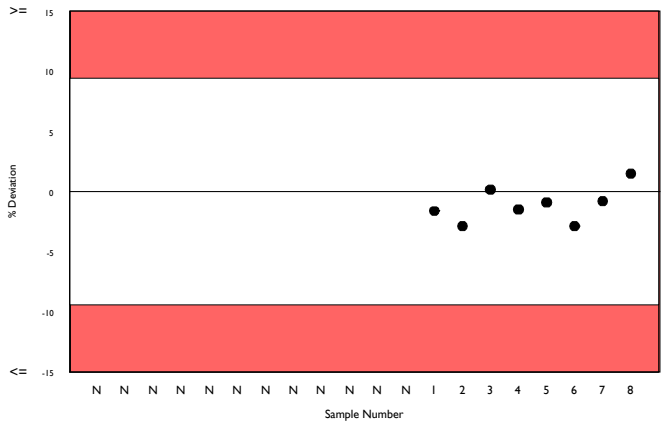
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	9.40%

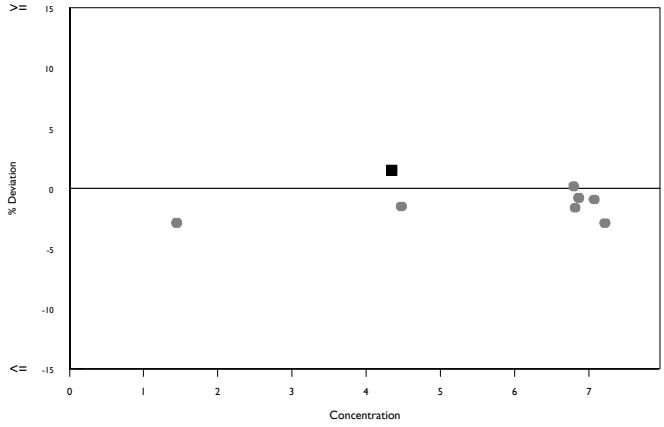


Method	N	Mean	CV%	U_m
Phosphomolybdate UV	3038	4.448	4.6	0.00
Phosphomolybdate enzymatic	316	4.417	3.7	0.01
Ortho Vitros MicroSlide Systems	201	4.554	3.4	0.01
Beckman PHOSm kit (365nm)	52	4.392	3.7	0.03
Agappe - PHOSPOHMOLYBDATE	43	4.680	3.4	0.03
Other Dry Chemistry	23	4.619	5.1	0.06
Other methods, no protein ppt	6	4.388	4.2	0.09
Other methods, with protein ppt	4	4.511	8.2	0.23
Vitros, DT60/DT60 II/DTSC II	2	4.527	3.7	0.15









RIQAS

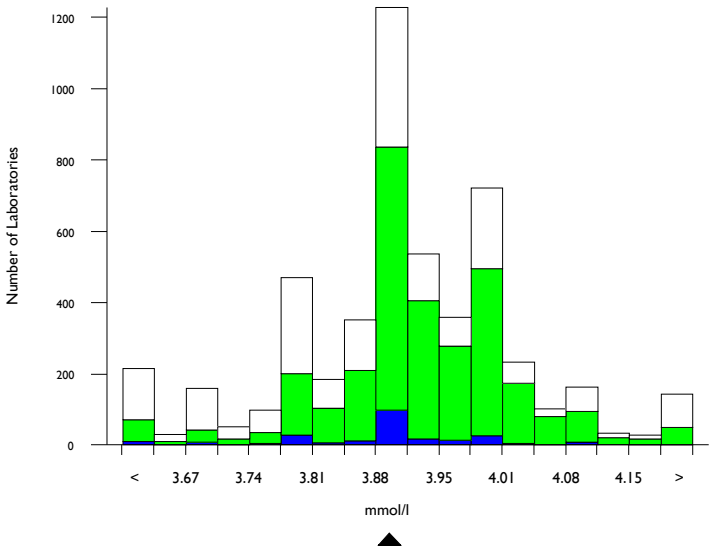
UKAS PROFICIENCY TESTING 0010

Potassium, mmol/l

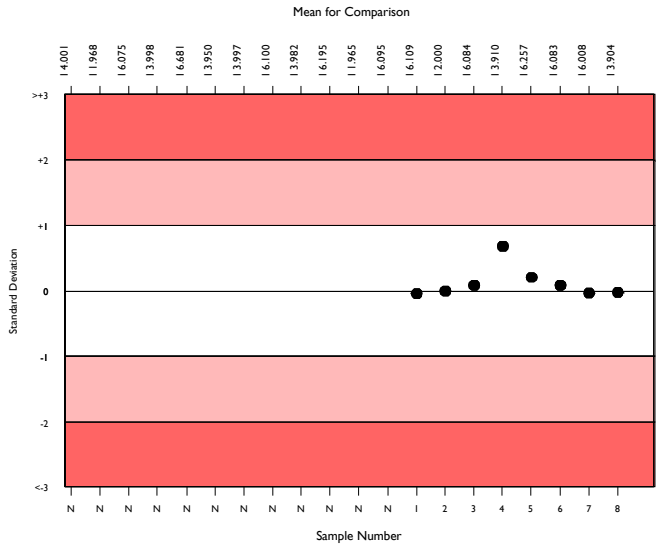
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	4652	3.917	2.3	0.00	0.13	443
ISE method - indirect	2888	3.934	1.9	0.00	0.13	241
Abbott Architect c systems	206	3.904	1.6	0.01	0.13	29

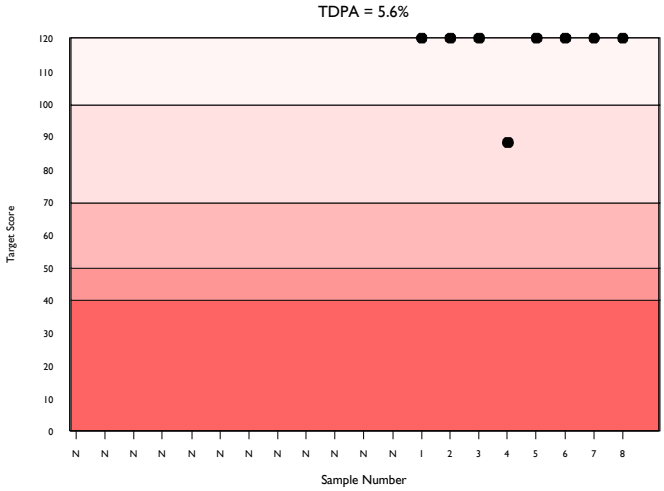
Your Result	3.900	SDI	-0.03
		RMSDI	Too Few
Mean for Comparison	3.904	TS	120
		RMTS	Too Few
		%DEV	-0.1
		RM%DEV	Too Few

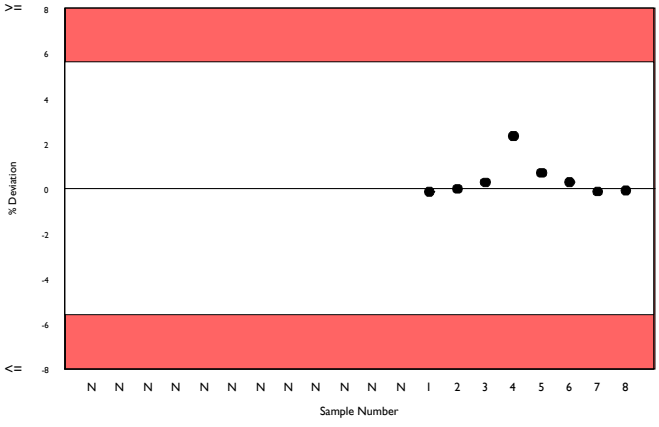
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	5.60%

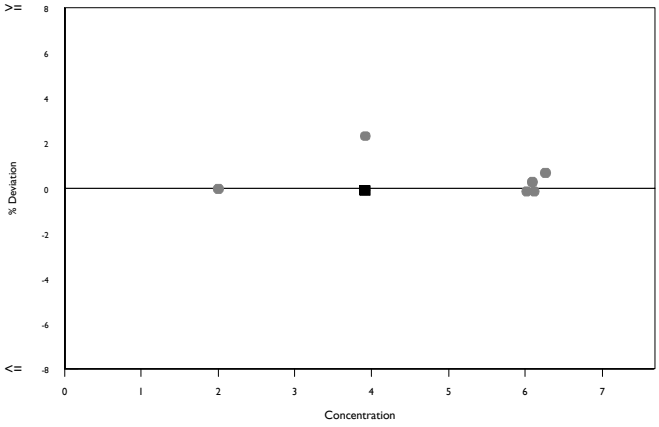


Method	N	Mean	CV%	U_m
ISE method - indirect	2888	3.934	1.9	0.00
ISE method - direct	1433	3.878	3.0	0.00
Ortho Vitros MicroSlide Systems	185	3.942	2.0	0.01
Colorimetric	54	3.857	4.1	0.03
Other Dry Chemistry	48	3.834	2.0	0.01
Agappe - ISE DIRECT	20	3.903	3.0	0.03
Enzymatic	19	4.232	8.4	0.10
Flame photometry	9	3.936	1.7	0.03
Vitros, DT60/DT60 II/DTE II	5	3.928	2.4	0.05
Optical Fluorescence	5	3.786	2.6	0.05
Turbidimetric	4	3.860	6.2	0.15









RIQAS

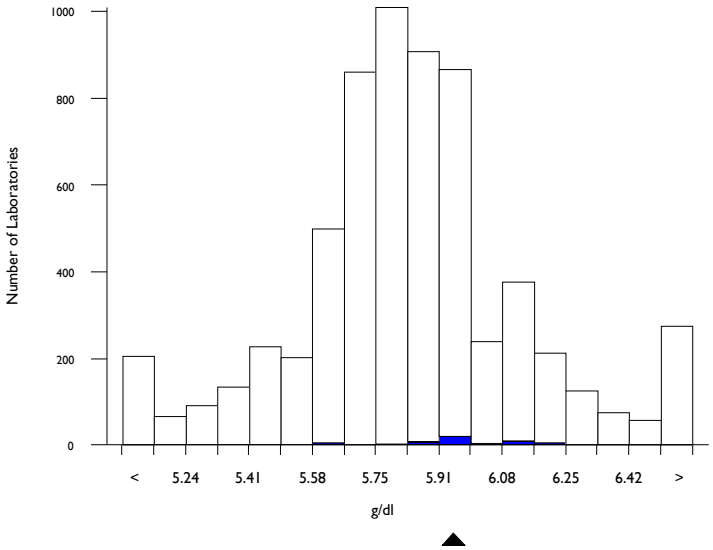
UKAS PROFICIENCY TESTING 0010

Protein, Total, g/dl

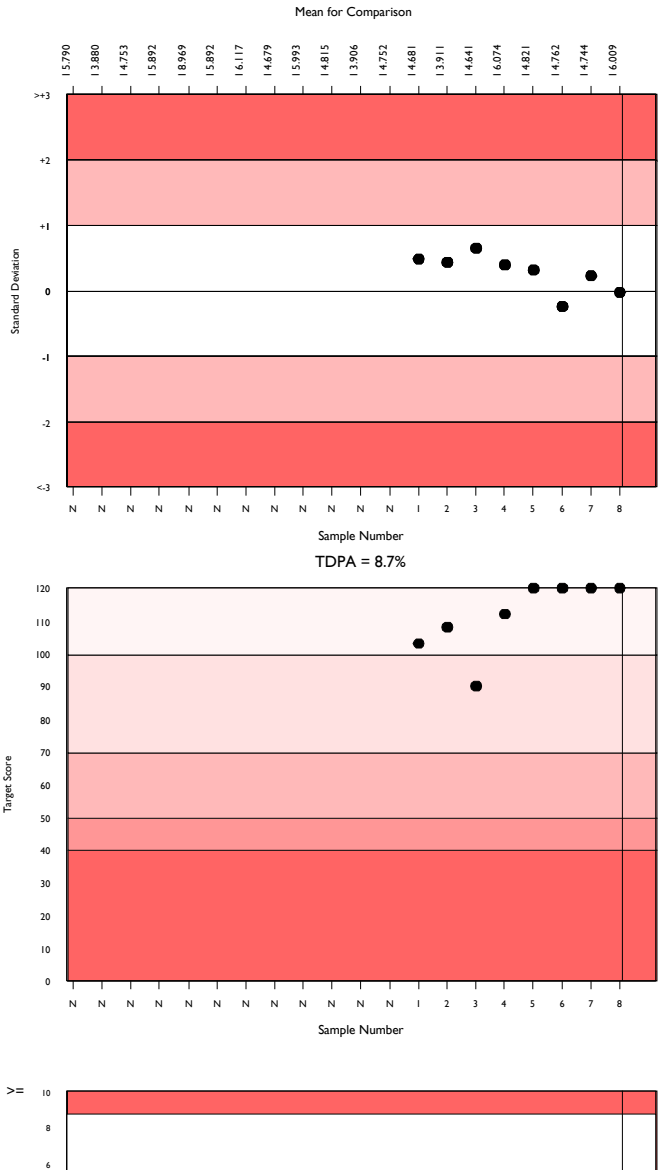
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	5846	5.835	3.8	0.00	0.31	564
Abbott Architect total Protein 2	50	6.014	1.9	0.02	0.32	9
Abbott Architect c systems	45	6.009	1.8	0.02	0.32	9

▲ Your Result	6.000	SDI	-0.03
		RMSDI	Too Few
Mean for Comparison	6.009	TS	120
		RMTS	Too Few
		%DEV	-0.1
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	8.70%



Method	N	Mean	CV%	U_m
Biuret reaction, end point	5114	5.824	3.9	0.00
Ortho Vitros MicroSlide Systems	223	5.899	2.9	0.01
Biuret reaction, kinetic	185	5.794	3.7	0.02
Abbott Alinity Total Protein 2	107	5.975	1.4	0.01
Agappe - BIURET	66	5.893	4.2	0.04
Biuret reaction, CX4/5/7	52	5.728	2.8	0.03
Abbott Architect total Protein 2	50	6.014	1.9	0.02
Other Dry Chemistry	51	5.939	3.4	0.04
Refractometry	3	5.827	2.7	0.11
Vitros, DT60/DT60 II	2	5.865	1.1	0.06



RIQAS

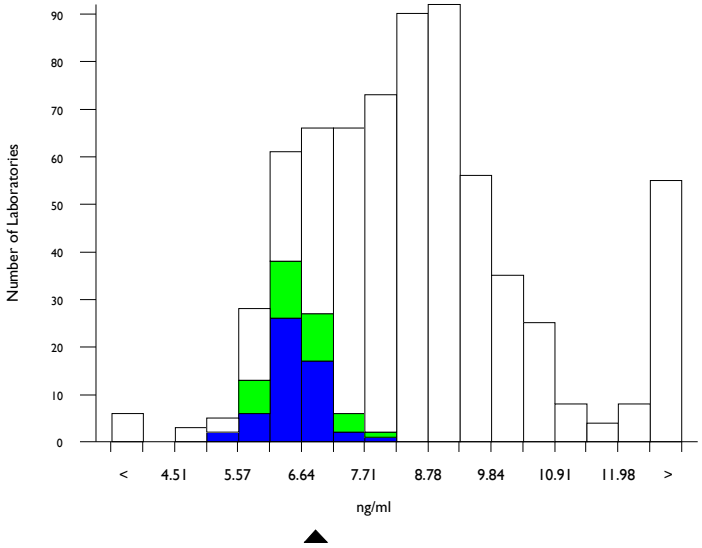
UKAS PROFICIENCY TESTING 0010

PSA, Total, ng/ml

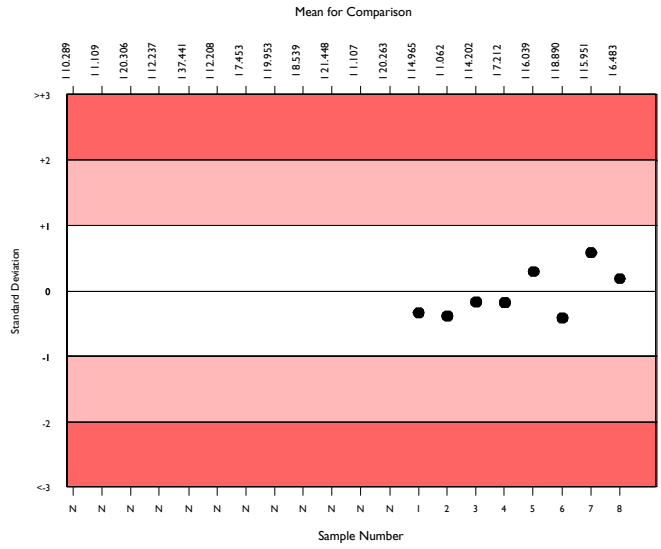
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	617	8.247	17.3	0.07	1.24	65
Abbott Architect/ Alinity	82	6.504	5.6	0.05	0.98	6
Abbott Architect i Systems	50	6.483	5.4	0.06	0.98	4

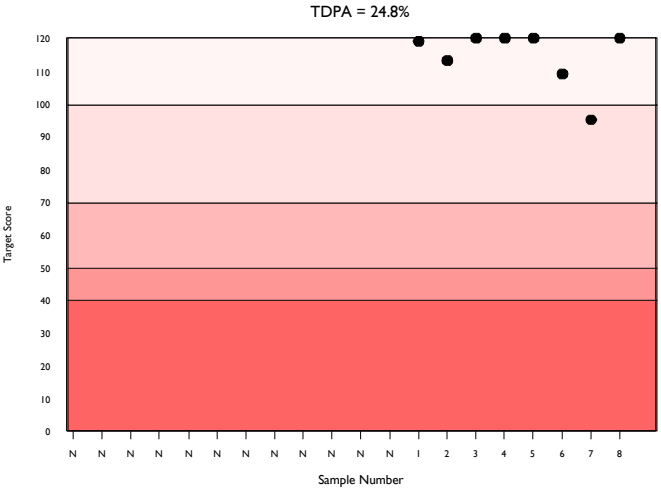
Your Result	6.660	SDI	0.18
		RMSDI	Too Few
Mean for Comparison	6.483	TS	120
		RMTS	Too Few
		%DEV	2.7
		RM%DEV	Too Few

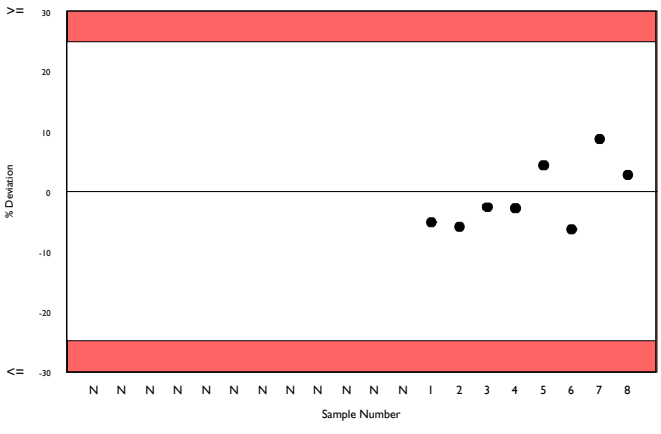
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	24.80%

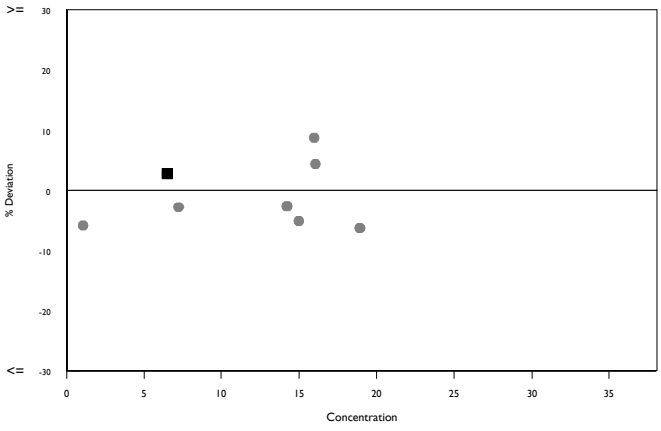


Method	N	Mean	CV%	U_m
Roche Cobas 4000/e411	96	8.923	8.2	0.09
Abbott Architect/ Alinity	82	6.504	5.6	0.05
SNIBE Maglumi analysers	55	7.213	8.4	0.10
Roche Cobas e601/602	48	8.715	5.0	0.08
bioMerieux, VIDAS TPSA	47	8.347	11.0	0.17
Monobind Inc ELISA	43	11.818	16.2	0.37
ELISA	42	12.437	20.0	0.48
Beckman Access standardised to Hybritech	36	9.641	6.5	0.13
Roche Cobas e402/e801	21	8.537	5.4	0.13
Tosoh AIA Series	19	6.351	7.6	0.14
Siemens Dimension	16	7.840	5.8	0.14
Mindray CL-Series	13	9.631	3.8	0.13
Ortho Vitros 3600/5600/ECi	13	8.288	9.3	0.27
Siemens Immulite 2000/2500, Total PSA	11	8.485	12.1	0.39
Beckman DXI standardised to Hybritech	11	9.343	10.9	0.39
Siemens Centaur XP/XPT	9	7.789	5.1	0.16
Siemens Centaur CP	7	7.740	2.9	0.11
Ortho Vitros 3600/5600/ECi PSA II	8	8.301	7.0	0.26
Siemens Atellica IM	7	7.784	3.9	0.14
Roche Elecsys Modular E170	6	9.072	11.1	0.52
Siemens Immulite 1000, Total PSA	4	8.683	6.6	0.36









RIQAS

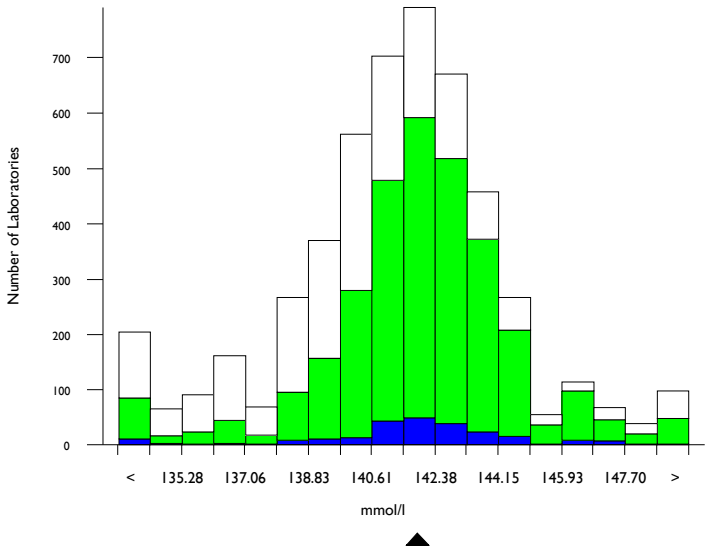
UKAS PROFICIENCY TESTING 0010

Sodium, mmol/l

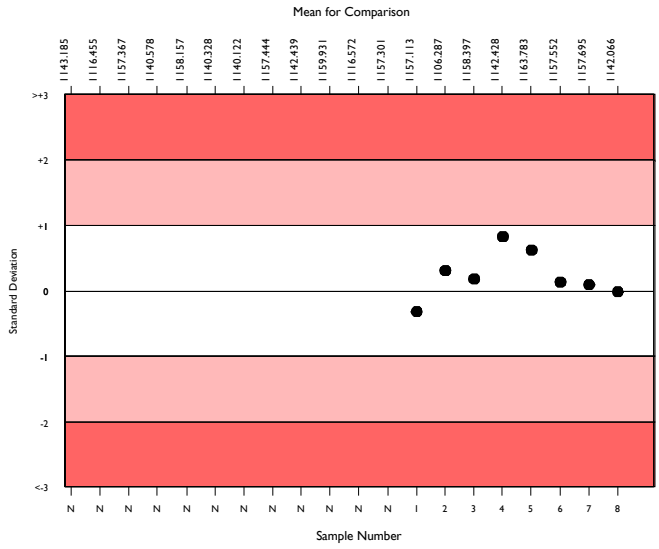
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	4628	141.498	1.7	0.04	3.10	419
ISE method - indirect	2839	142.146	1.3	0.04	3.11	289
Abbott Architect c systems	214	142.066	1.3	0.16	3.11	26

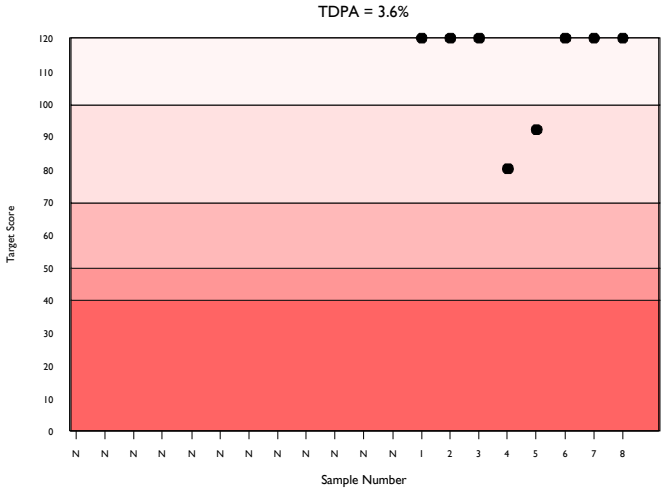
▲ Your Result	142.000	SDI	-0.02
		RMSDI	Too Few
Mean for Comparison	142.066	TS	120
		RMTS	Too Few
		%DEV	-0.0
		RM%DEV	Too Few

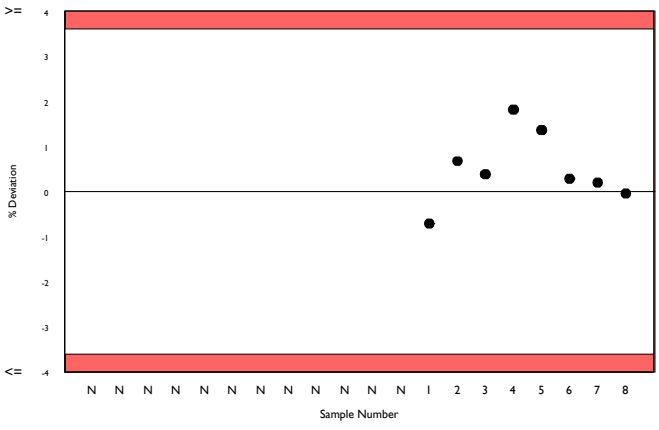
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	3.60%

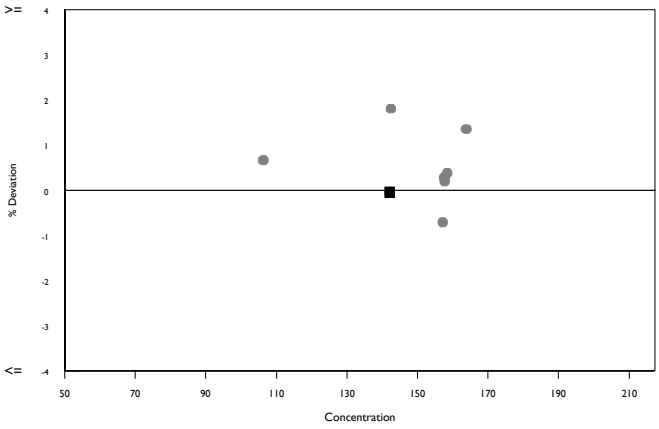


Method	N	Mean	CV%	U_m
ISE method - indirect	2839	142.146	1.3	0.04
ISE method - direct	1403	139.996	1.9	0.09
Ortho Vitros MicroSlide Systems	189	140.879	1.5	0.19
Other Dry Chemistry	48	141.033	1.8	0.45
Colorimetric	40	140.678	2.0	0.56
Agappe - ISE DIRECT	19	141.684	1.1	0.45
Flame photometry	10	140.150	1.2	0.68
Enzymatic	9	139.738	2.9	1.67
Vitros, DT60/DT60 II/DTE II	7	140.814	1.9	1.27
Optical Fluorescence	5	138.860	0.9	0.68









RIQAS

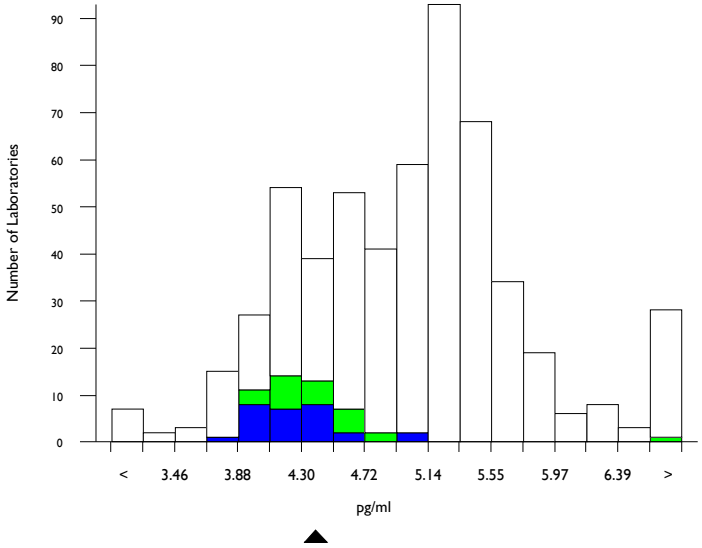
UKAS PROFICIENCY TESTING 0010

Free T3, pg/ml

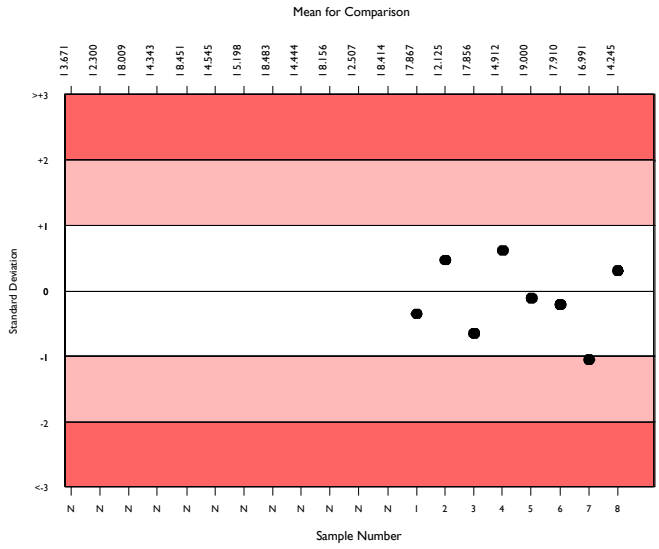
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	507	4.931	11.3	0.03	0.52	54
Abbott Architect/ Alinity, 6 point cal	45	4.296	4.7	0.04	0.45	6
Abbott Architect i Systems	25	4.245	4.6	0.05	0.45	3

Your Result	4.380	SDI	0.30
		RMSDI	Too Few
Mean for Comparison	4.245	TS	120
		RMTS	Too Few
		%DEV	3.2
		RM%DEV	Too Few

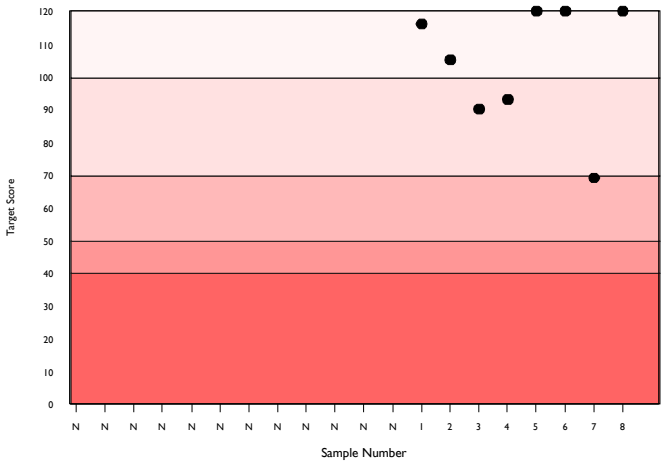
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	17.40%

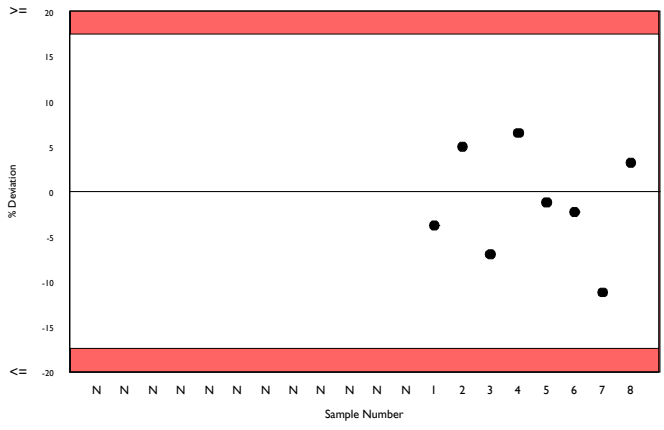


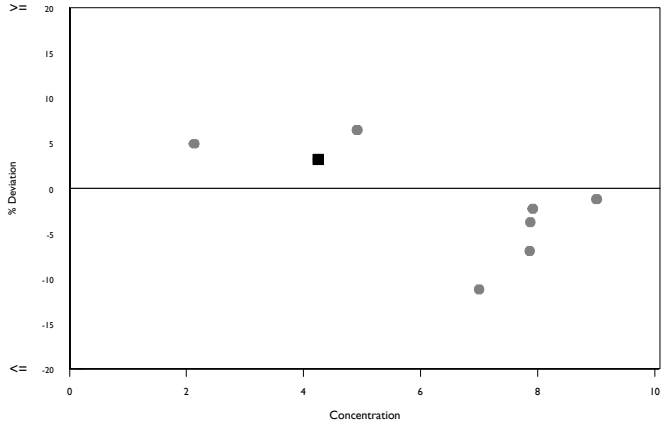
Method	N	Mean	CV%	U_m
Roche Cobas 4000/e411	92	5.341	7.0	0.05
Roche Cobas e601/602	56	5.260	4.4	0.04
BioMerieux VIDAS	47	4.992	8.4	0.08
Abbott Architect/ Alinity, 6 point cal	45	4.296	4.7	0.04
Abbott Architect/ Alinity, 2 point cal	43	4.305	6.4	0.05
Beckman Access/LXi725	38	4.558	9.0	0.08
Roche Cobas e402/e801	21	5.258	2.8	0.04
Ortho Vitros 3600/5600/ECi/XT 7600	20	8.706	11.9	0.29
SNIBE Maglumi analysers	17	4.631	3.8	0.05
Tosoh AIA Series	16	5.206	12.5	0.20
Siemens Dimension Exl LOCI	15	5.230	3.5	0.06
Siemens Centaur CP	12	5.563	3.5	0.07
Beckman Dxl 600/800	11	3.948	3.8	0.06
Mindray CL-Series	14	5.197	9.1	0.16
Siemens Centaur XP/XPT	12	5.298	4.1	0.08
ELISA	9	4.075	22.5	0.38
Fujirebio Lumipulse G Series	9	5.463	9.9	0.22
Siemens/DPC Immulite 2000/2500	6	3.970	8.4	0.17
Siemens Atellica IM	6	5.561	1.4	0.04
Roche Elecsys	4	5.175	14.2	0.46
Shenzhen YHLO iFlash Series	2	5.598	8.4	0.41



TDPA = 17.4%







RIQAS

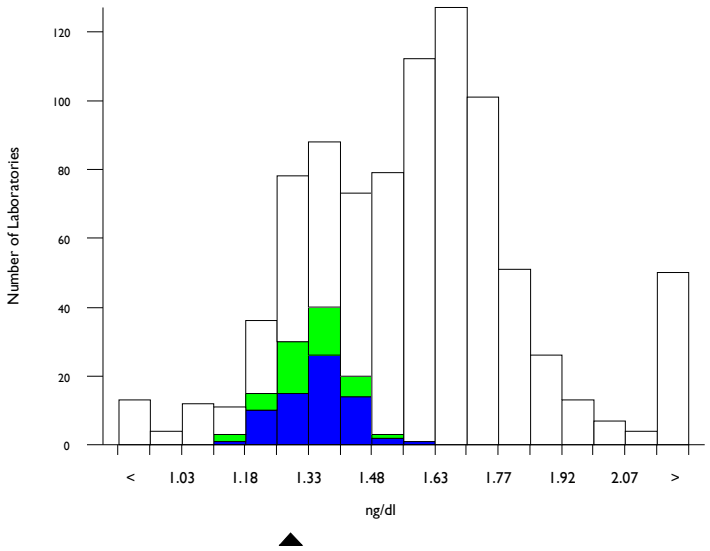
UKAS PROFICIENCY TESTING 0010

Free T4, ng/dl

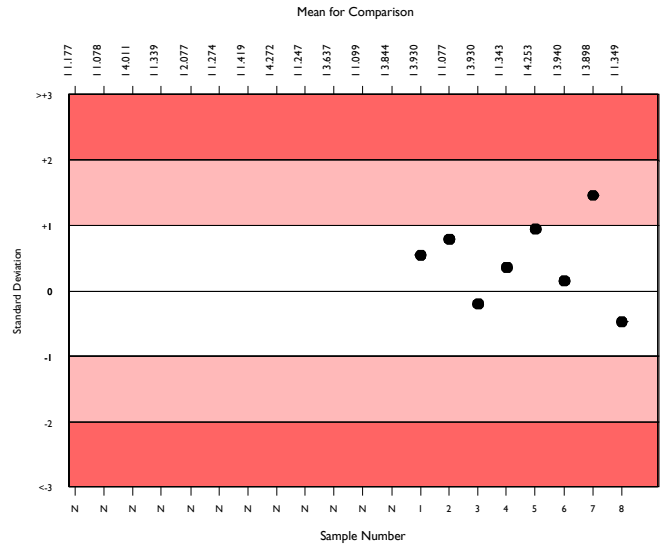
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	807	1.556	12.8	0.01	0.19	80
Abbott Architect/ Alinity	107	1.343	5.7	0.01	0.16	5
Abbott Architect i Systems	66	1.349	5.6	0.01	0.16	3

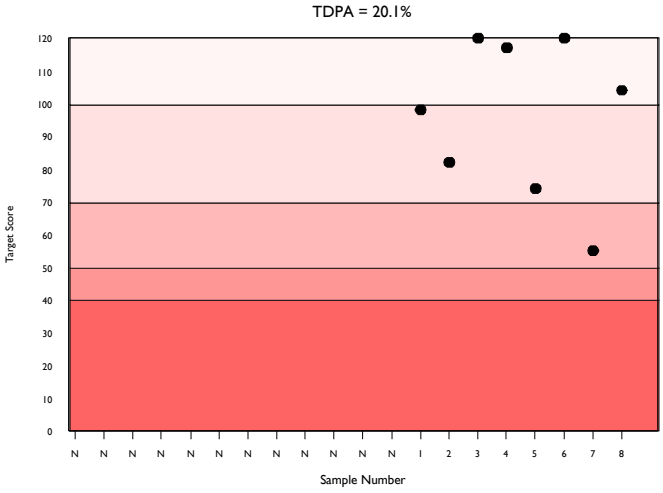
▲ Your Result	1.270	SDI	-0.48
		RMSDI	Too Few
Mean for Comparison	1.349	TS	104
		RMTS	Too Few
		%DEV	-5.8
		RM%DEV	Too Few

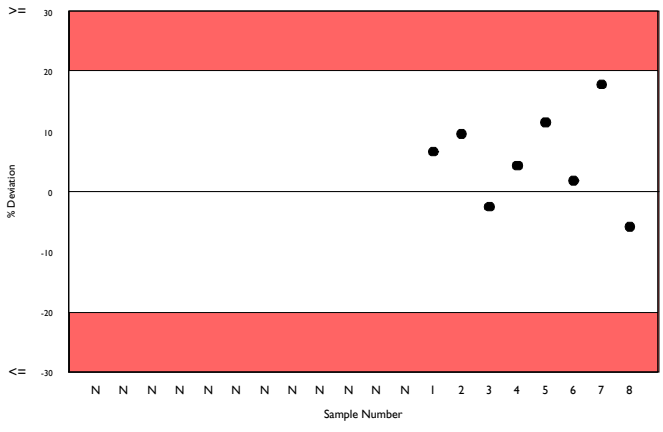
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	20.10%

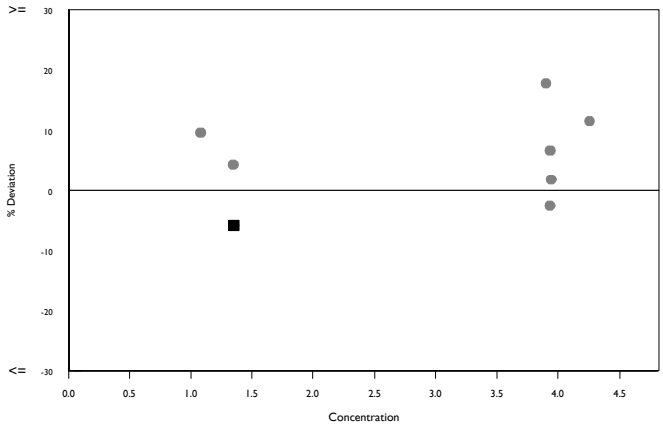


Method	N	Mean	CV%	U_m
Roche Cobas 4000/e411	130	1.699	5.2	0.01
Abbott Architect/ Alinity	107	1.343	5.7	0.01
Roche Cobas e601/ 602	67	1.664	4.1	0.01
SNIBE Maglumi analysers	62	1.693	7.3	0.02
bioMerieux, VIDAS-FT4N Kit	56	1.647	7.5	0.02
Beckman Access/LXi725	48	1.459	6.4	0.02
Monobind Inc ELISA	45	1.310	10.7	0.03
Roche Cobas e402/e801	32	1.746	3.0	0.01
ELISA	25	1.330	11.2	0.04
Ortho Vitros 3600/5600/ECi/XT/7600	24	2.901	13.2	0.10
Tosoh AIA Series	23	1.811	8.9	0.04
Beckman Dxl 600/800	19	1.390	8.7	0.03
Mindray CL-Series	17	1.321	8.2	0.03
Siemens Centaur CP	17	1.515	10.0	0.05
Siemens Dimension Exl LOCI	17	1.568	3.2	0.02
Siemens Centaur XP/XPT	16	1.482	8.2	0.04
Siemens/DPC Immulite 2000/2500	12	1.573	5.3	0.03
Siemens/DPC Immulite 1000	12	1.681	11.8	0.07
Roche Elecsys	10	1.683	6.4	0.04
Fujirebio Lumipulse G Series	6	1.328	0.6	0.00
Siemens Atellica IM	7	1.474	2.6	0.02









RIQAS

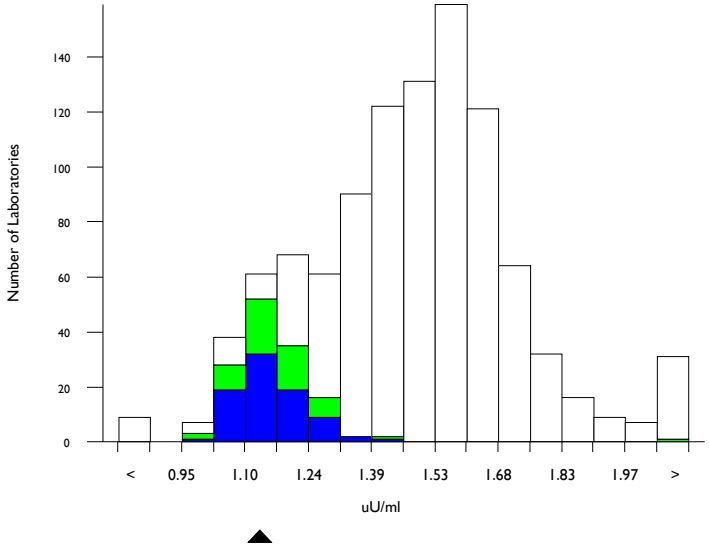
UKAS PROFICIENCY TESTING 0010

TSH, uU/ml

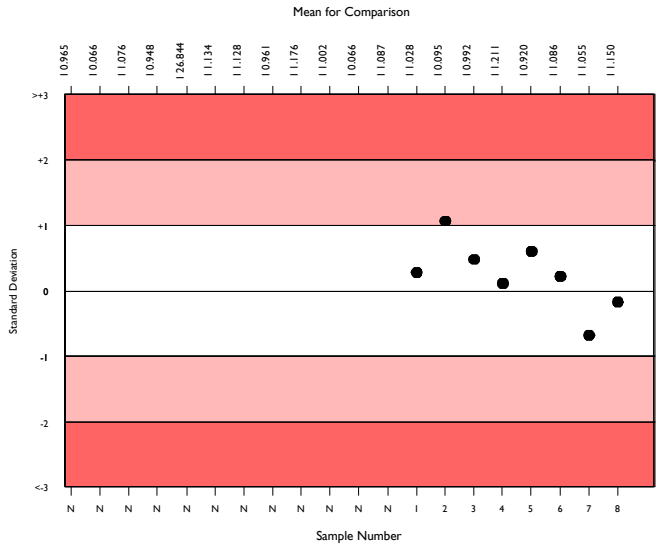
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	961	1.467	13.3	0.01	0.21	67
Abbott Architect/ Alinity	129	1.153	5.4	0.01	0.17	10
Abbott Architect i Systems	78	1.150	5.5	0.01	0.17	5

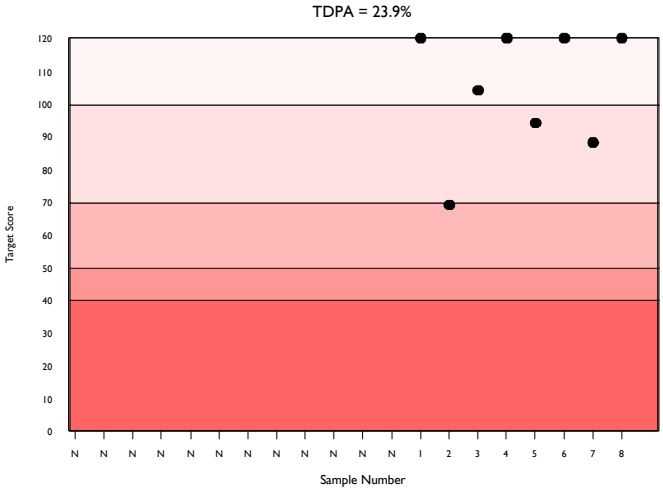
▲ Your Result	1.120	SDI	-0.18
		RMSDI	Too Few
Mean for Comparison	1.150	TS	120
		RMTS	Too Few
		%DEV	-2.6
		RM%DEV	Too Few

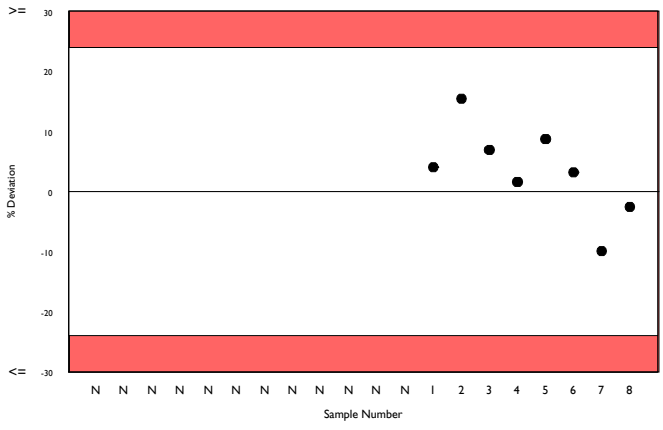
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	23.90%

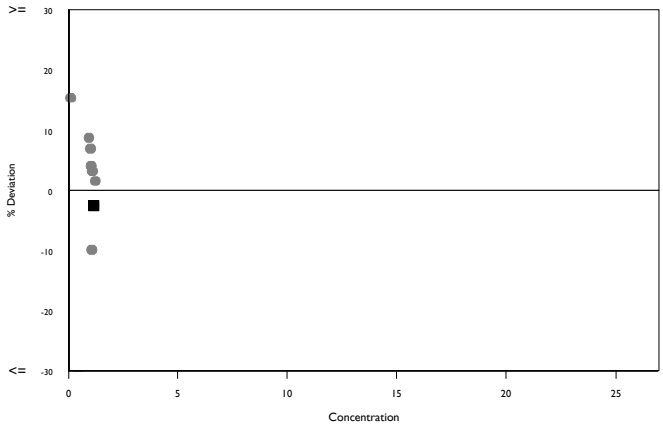


Method	N	Mean	CV%	U_m
Roche Cobas 4000/e411	143	1.624	5.1	0.01
Abbott Architect/ Alinity	129	1.153	5.4	0.01
Roche Cobas e601/ 602	76	1.602	3.3	0.01
SNIBE Maglumi analysers	71	1.447	4.1	0.01
Biomerieux VIDAS TSH	59	1.629	7.2	0.02
Monobind Inc ELISA	56	1.386	11.4	0.03
ELISA	35	1.343	14.2	0.04
Beckman DXI600/800/ Access 2 (3rd IS)	31	1.415	4.8	0.02
Roche Cobas e402/e801	33	1.576	2.9	0.01
Tosoh AIA Series	30	1.551	7.0	0.02
Ortho Vitros 3600/5600/ECi/XT 7600	24	1.480	3.6	0.01
Beckman Access/LXi725 hyper TSH 3rd gen.	29	1.408	6.2	0.02
Mindray CL-Series	20	1.891	9.9	0.05
Siemens Centaur CP	16	1.401	7.6	0.03
Siemens Dimension Exl LOCI	17	1.355	4.7	0.02
Siemens/DPC Immulite 1000	14	1.476	9.8	0.05
Roche Elecsys	13	1.625	4.7	0.03
Beckman Access/LXi725 Fast TSH 2nd gen.	11	1.425	4.2	0.02
Siemens Atellica IM	12	1.340	11.1	0.05
Siemens/DPC Immulite 2000/2500	10	1.526	6.0	0.04
Ortho Vitros TSH3	10	1.456	7.5	0.04









RIQAS

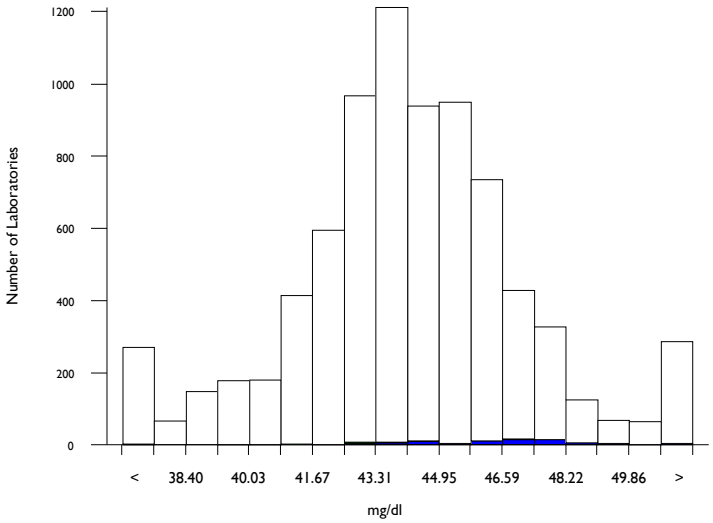
UKAS PROFICIENCY TESTING 0010

Urea, mg/dl

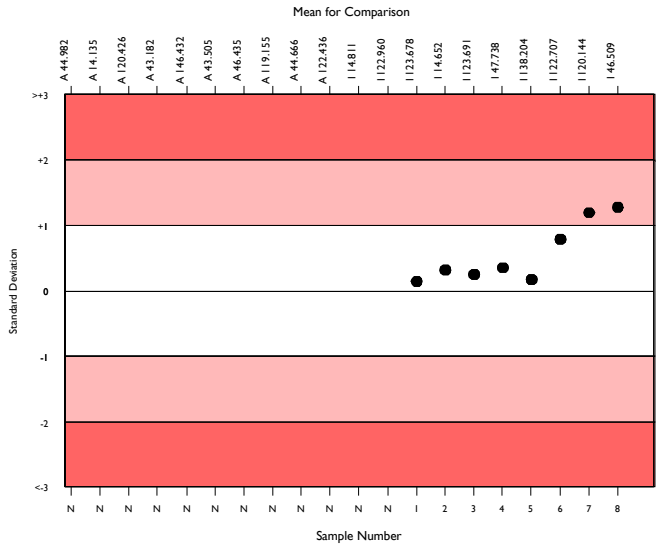
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	7262	44.134	4.9	0.03	3.35	681
Abbott Architect Urea Nitrogen 2	84	46.101	4.5	0.28	3.50	9
Abbott Architect c systems	73	46.509	3.9	0.27	3.53	8

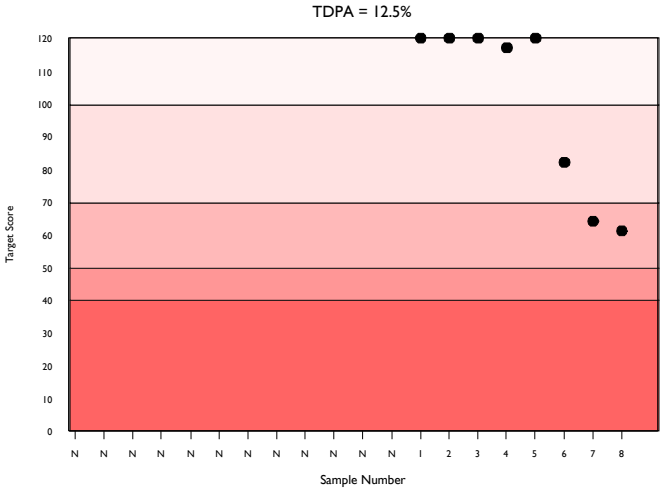
▲ Your Result	51.000	SDI	1.27
		RMSDI	Too Few
Mean for Comparison	46.509	TS	61
		RMTS	Too Few
		%DEV	9.7
		RM%DEV	Too Few

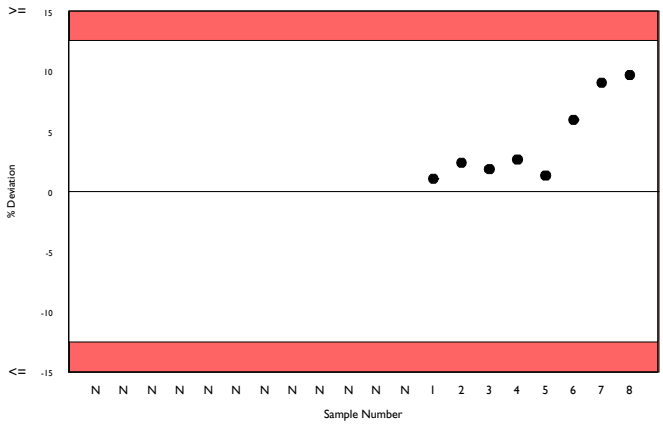
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	12.50%

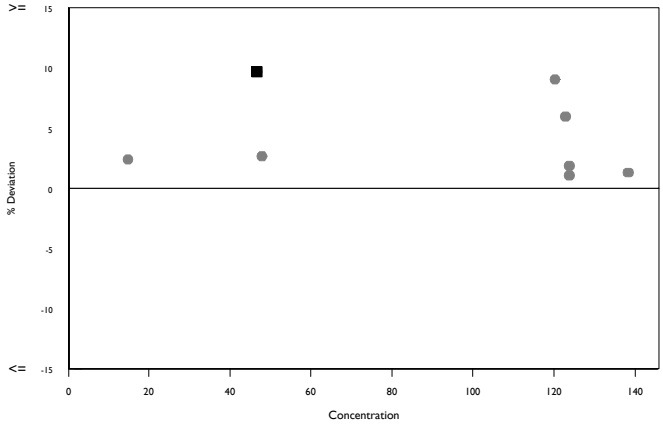


Method	N	Mean	CV%	U_m
Urease, kinetic	6127	44.219	4.7	0.03
Urease, end point	466	44.276	6.3	0.16
Ortho Vitros MicroSlide Systems	239	42.178	3.1	0.11
Urease, hypochlorite	104	43.757	4.7	0.25
Abbott Architect Urea Nitrogen 2	84	46.101	4.5	0.28
Agappe - UREASE GLDH	79	42.988	6.5	0.39
Other Dry Chemistry	68	45.157	3.6	0.24
Beckman - Conductivity	41	44.765	5.1	0.45
Agappe - BERTHELOT	8	41.744	4.2	0.78
Diacetyl monoxime	7	43.392	6.0	1.22
O-Phthalaldehyde	7	42.171	7.6	1.51
Vitros DT60/DT60 II	2	43.687	1.0	0.39









RIQAS

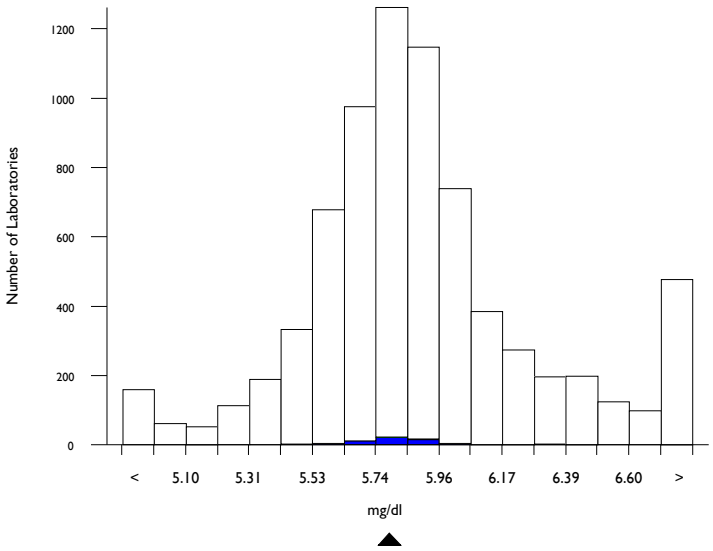
UKAS PROFICIENCY TESTING 0010

Uric Acid (Urate), mg/dl

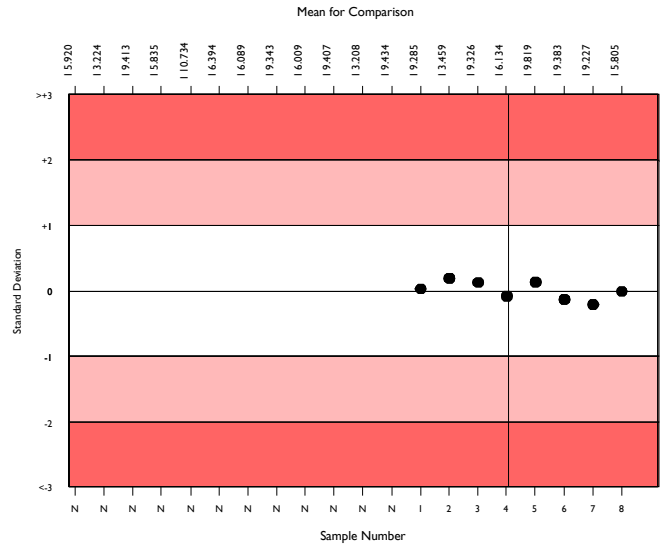
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	6791	5.856	4.9	0.00	0.38	668
Abbott Architect Uric Acid 2	61	5.815	1.9	0.02	0.37	9
Abbott Architect c systems	57	5.805	1.8	0.02	0.37	9

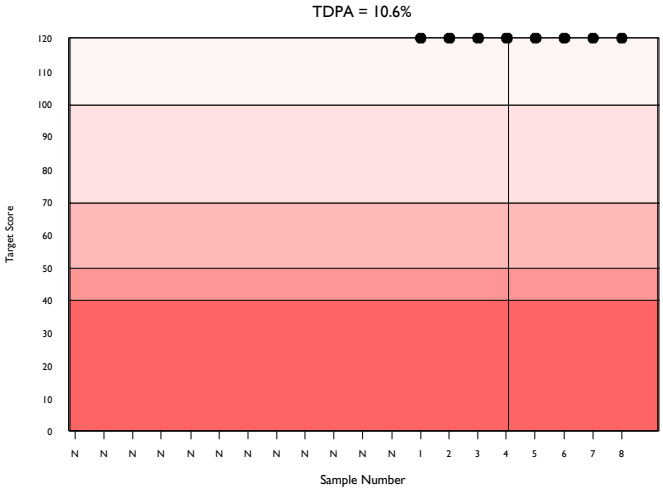
▲ Your Result	5.800	SDI	-0.01
		RMSDI	Too Few
Mean for Comparison	5.805	TS	120
		RMTS	Too Few
		%DEV	-0.1
		RM%DEV	Too Few

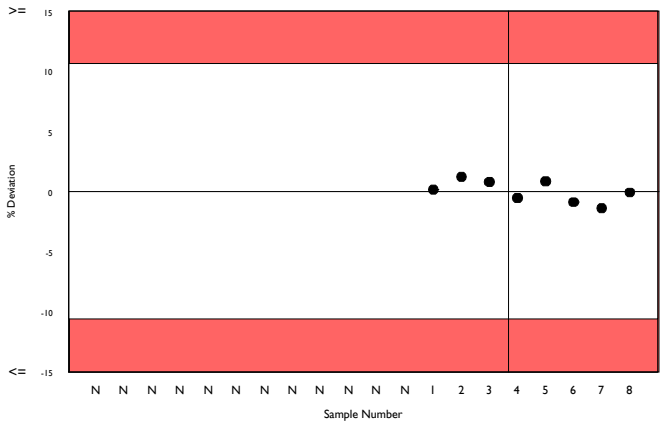
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	10.60%

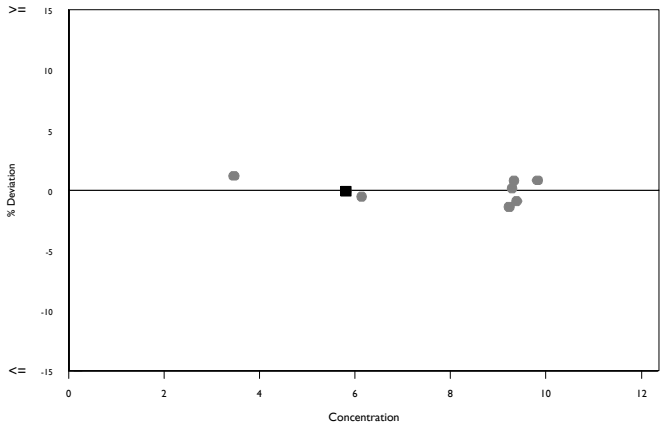


Method	N	Mean	CV%	U_m
Uricase perox. no ascorb. ox.	2662	5.888	5.5	0.01
Uricase Perox. with ascorb. ox	1887	5.887	4.5	0.01
Uricase Perox. with ascorb. ox @ 546nm	1340	5.816	4.2	0.01
Ortho Vitros MicroSlide Systems	232	5.595	2.4	0.01
Uricase @ 293 nm	204	5.783	2.3	0.01
Uricase, catalase 340nm.	117	5.820	2.6	0.02
Abbott Alinity Uric Acid 2	105	5.739	2.0	0.01
Abbott Architect Uric Acid 2	61	5.815	1.9	0.02
Agappe - URICASE - PAP	51	6.406	5.3	0.06
Other Dry Chemistry	42	6.225	3.7	0.04
Agappe - URICASE - TOPS	25	6.494	9.5	0.15
Reduction methods	19	5.911	5.9	0.10
Vitros DT60/DT60 II	5	5.735	5.1	0.16









RIQAS

UKAS PROFICIENCY TESTING 0010

Analyte	Mean for Comparison	Your Result	SDI	RMSDI	%DEV	RM%DEV	TS	RMTS	Performance
Albumin	4.045	4.000	-0.21	Too Few	-1.1	Too Few	120	Too Few	
Alkaline Phosphatase	192.409	198.000	0.26	Too Few	2.9	Too Few	120	Too Few	
ALT (GPT)	39.062	39.000	-0.02	Too Few	-0.2	Too Few	120	Too Few	
Amylase, Pancreatic	58.988	60.000	0.14	Too Few	1.7	Too Few	120	Too Few	
Amylase, Total	87.549	89.000	0.16	Too Few	1.7	Too Few	120	Too Few	
AST (GOT)	37.482	38.000	0.15	Too Few	1.4	Too Few	120	Too Few	
Bile Acids	25.242	26.800	0.41	Too Few	6.2	Too Few	110	Too Few	
Bilirubin, Direct	1.172	1.100	-0.39	Too Few	-6.2	Too Few	112	Too Few	
Bilirubin, Total	1.643	1.500	-0.90	Too Few	-8.7	Too Few	76	Too Few	
Calcium	10.021	10.000	-0.04	Too Few	-0.2	Too Few	120	Too Few	
Chloride	103.393	104.000	0.21	Too Few	0.6	Too Few	120	Too Few	
Cholesterol	152.001	153.000	0.13	Too Few	0.7	Too Few	120	Too Few	
CK, Total	183.489	169.000	-1.08	Too Few	-7.9	Too Few	68	Too Few	
Creatinine	1.373	1.370	-0.03	Too Few	-0.2	Too Few	120	Too Few	
GGT	57.395	55.000	-0.38	Too Few	-4.2	Too Few	113	Too Few	
Glucose	104.885	106.000	0.21	Too Few	1.1	Too Few	120	Too Few	
HDL-Cholesterol	52.670	51.000	-0.25	Too Few	-3.2	Too Few	120	Too Few	
Iron	118.206	115.000	-0.45	Too Few	-2.7	Too Few	107	Too Few	
LD (LDH)	190.006	189.000	-0.07	Too Few	-0.5	Too Few	120	Too Few	
LDL-Cholesterol	80.439	83.000	0.25	Too Few	3.2	Too Few	120	Too Few	
Lipase	34.231	35.000	0.14	Too Few	2.2	Too Few	120	Too Few	
Lithium	0.994	1.010	0.21	Too Few	1.6	Too Few	120	Too Few	
Magnesium	2.658	2.730	0.41	Too Few	2.7	Too Few	111	Too Few	
Phosphate, Inorganic	4.336	4.400	0.26	Too Few	1.5	Too Few	120	Too Few	
Potassium	3.904	3.900	-0.03	Too Few	-0.1	Too Few	120	Too Few	
Protein, Total	6.009	6.000	-0.03	Too Few	-0.1	Too Few	120	Too Few	
PSA, Total	6.483	6.660	0.18	Too Few	2.7	Too Few	120	Too Few	
Sodium	142.066	142.000	-0.02	Too Few	-0.0	Too Few	120	Too Few	
Free T3	4.245	4.380	0.30	Too Few	3.2	Too Few	120	Too Few	
Free T4	1.349	1.270	-0.48	Too Few	-5.8	Too Few	104	Too Few	
TSH	1.150	1.120	-0.18	Too Few	-2.6	Too Few	120	Too Few	
Urea	46.509	51.000	1.27	Too Few	9.7	Too Few	61	Too Few	
Uric Acid (Urate)	5.805	5.800	-0.01	Too Few	-0.1	Too Few	120	Too Few	

ORMSDI N/A **ORM%DEV N/A** **ORMTS N/A**

END OF REPORT

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