Laboratorio Emotest s.r.l.

MONTHLY CLINICAL CHEMISTRY

CYCLE 20 SAMPLE 9

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

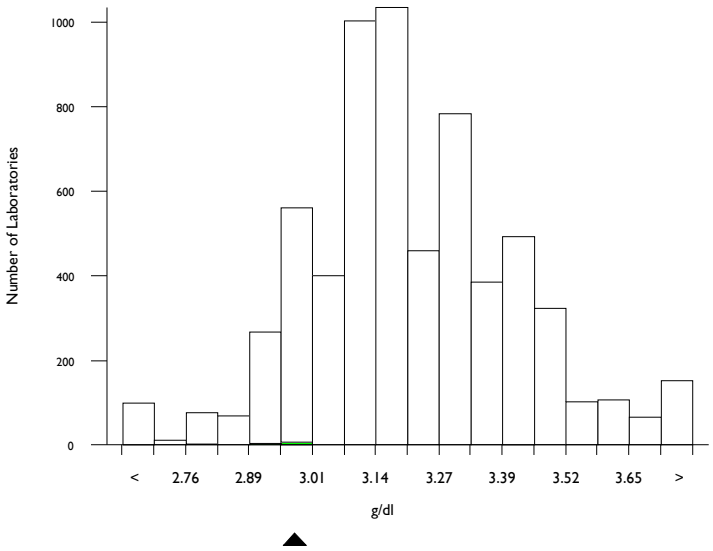
UKAS PROFICIENCY TESTING 0010

Albumin, g/dl

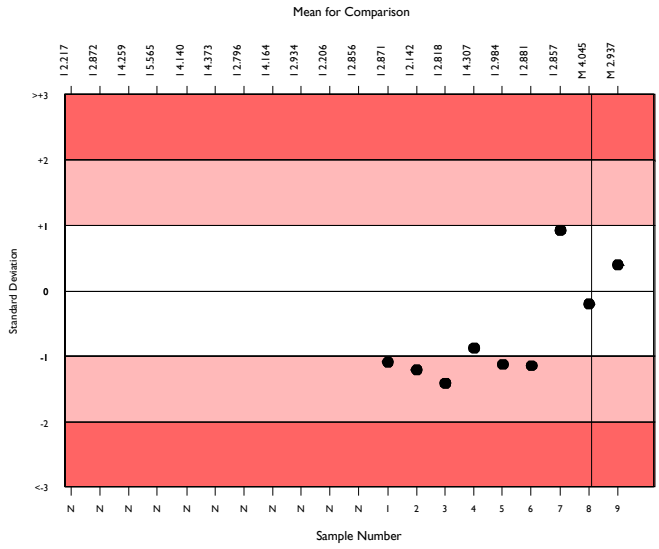
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	5968	3.209	5.3	0.00	0.18	418
Abbott Alinity Albumin BCP 2	11	2.937	2.7	0.03	0.16	2
Abbott Architect c systems	1	3.000	0.0	0.00	N/A	0

Your Result	3.000	SDI	0.39
		RMSDI	Too Few
Mean for Comparison	2.937	TS	112
		RMTS	Too Few
		%DEV	2.1
		RM%DEV	Too Few

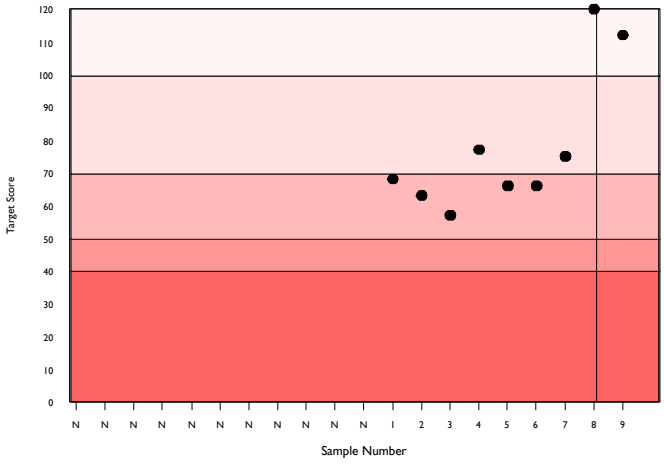
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	9.00%

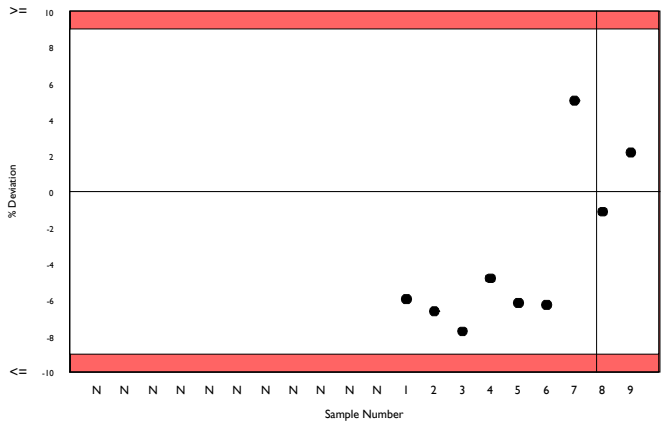


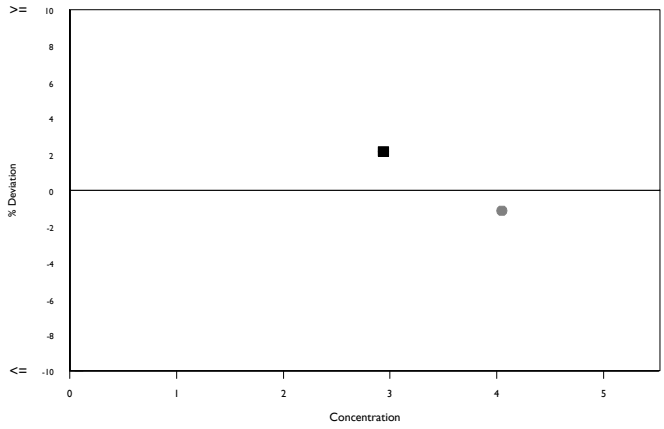
Method	N	Mean	CV%	U_m
Bromocresol Green	4914	3.225	5.2	0.00
Bromocresol Purple	483	3.065	4.0	0.01
Ortho Vitros MicroSlide Systems	219	3.157	3.5	0.01
Abbott Alinity Albumin BCG 2	115	3.138	1.5	0.01
Agappe - Bromocresol Green	57	3.444	4.8	0.03
Other Dry Chemistry	50	3.669	4.8	0.03
Turbidimetric Assays	39	3.181	7.2	0.05
Abbott Architect Albumin BCG 2	34	3.159	2.0	0.01
Abbott Architect Albumin BCP 2	19	2.935	1.7	0.01
Abbott Alinity Albumin BCP 2	11	2.937	2.7	0.03
Nephelometric Assays	9	3.206	5.7	0.08
Electrophoresis	3	3.403	7.6	0.19



TDPA = 9%







RIQAS

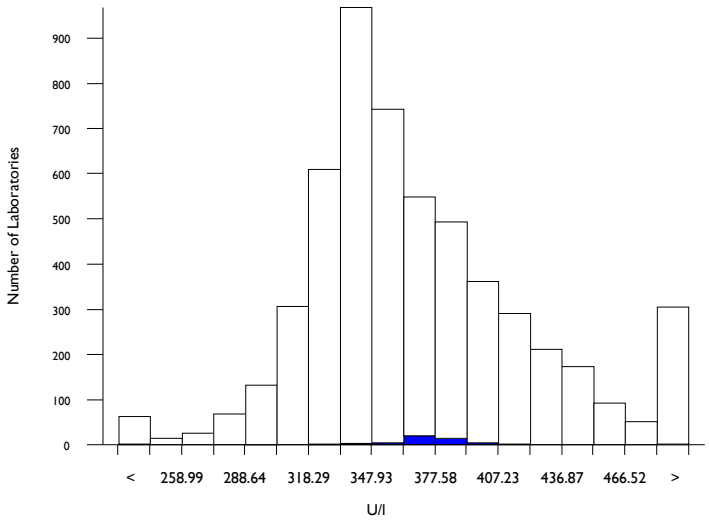
UKAS PROFICIENCY TESTING 0010

Alkaline Phosphatase, U/l @ 37°C

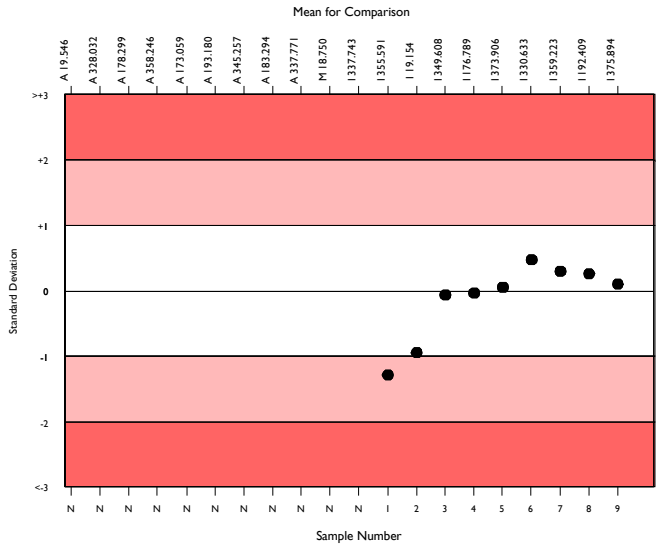
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	5009	362.763	10.9	0.70	40.80	444
Abbott Architect Alkaline Phosphatase 2	46	375.070	3.9	2.67	42.18	10
Abbott Architect c systems	45	375.894	3.6	2.52	42.28	10

Your Result	380.000	SDI	0.10
		RMSDI	Too Few
Mean for Comparison	375.894	TS	120
		RMTS	Too Few
		%DEV	1.1
		RM%DEV	Too Few

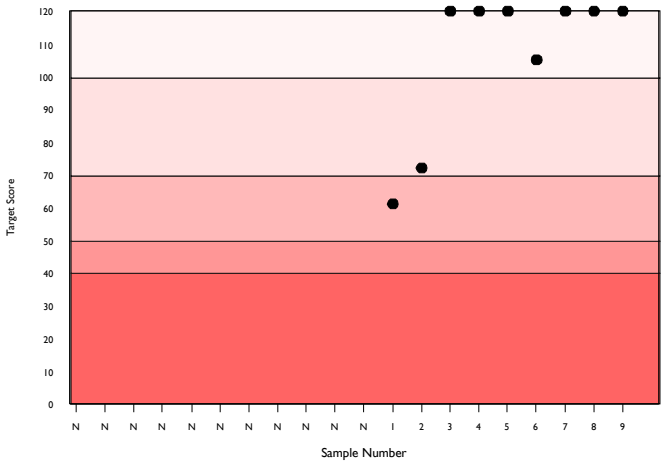
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	18.50%

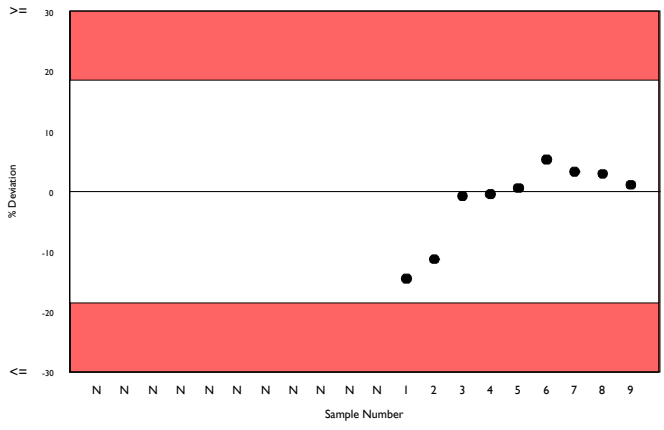


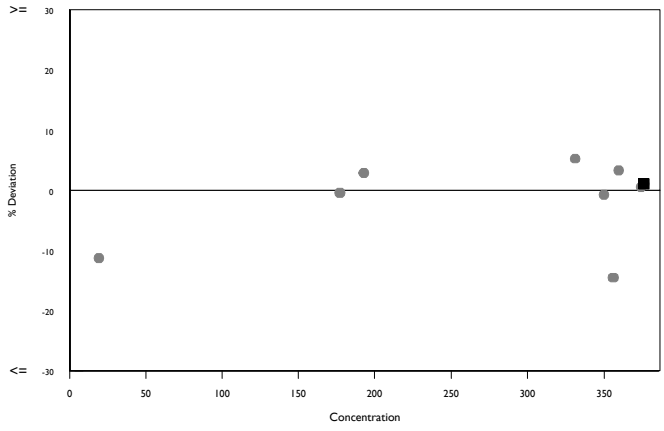
Method	N	Mean	CV%	U_m
AMP optimised to IFCC	2063	372.291	10.0	1.03
Roche AMP buffer IFCC	1219	341.573	4.2	0.52
Diethanolamine buffer, DEA	494	452.263	14.7	3.74
Ortho Vitros MicroSlide Systems	231	308.464	5.9	1.50
Siemens/Dade Dimension AMP buffer	215	335.910	3.0	0.85
AMP non-optimised	193	365.822	7.8	2.56
Beckman AMP (Calibrator)	151	409.585	6.2	2.56
Colorimetric	118	349.499	9.6	3.85
Abbott Alinity Alkaline Phosphatase 2	92	379.840	2.8	1.40
Agappe - DGKC-SCE	51	440.959	8.2	6.36
Abbott Architect Alkaline Phosphatase 2	46	375.070	3.9	2.67
Other Dry Chemistry	42	389.462	8.1	6.06
Other AMP kits	42	359.189	6.5	4.48
Beckman AMP (Extinction Coeff)	29	399.415	5.0	4.68
Fuji Dri-Chem JSCC	13	409.704	11.4	16.23
AMP optimised to NVKC/SFBC	8	438.280	18.9	36.56
AMPD optimised to JSCC	4	372.000	3.7	8.62
Tris/carbonate buffer	3	409.900	26.9	79.69



TDPA = 18.5%







RIQAS

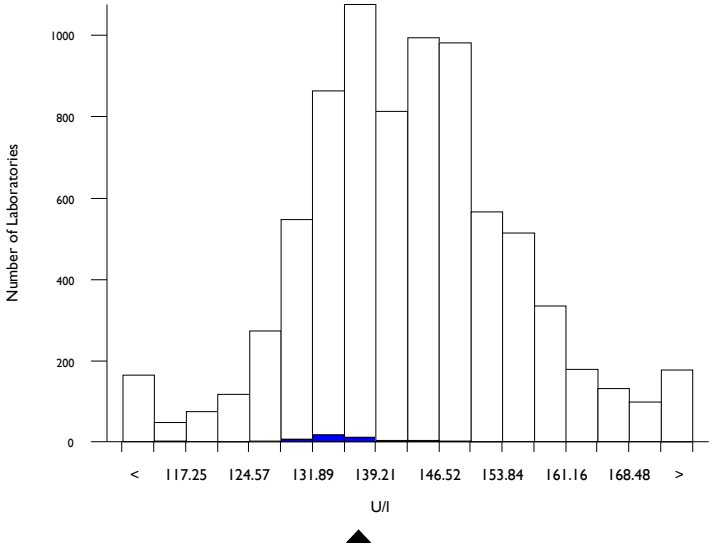
UKAS PROFICIENCY TESTING 0010

ALT (GPT), U/l @ 37°C

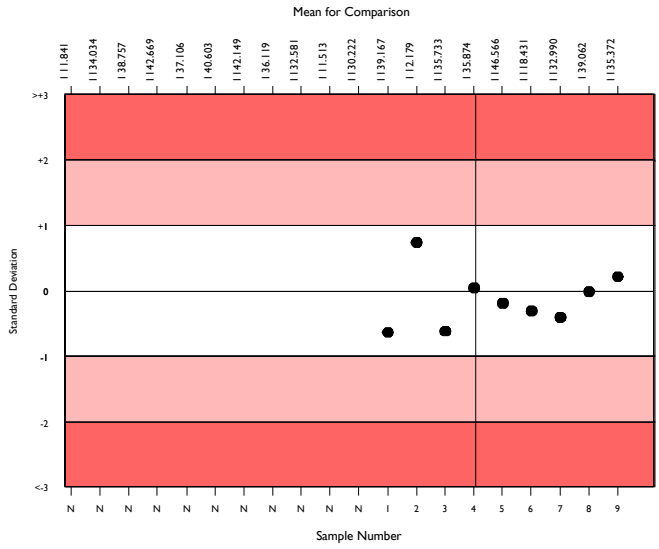
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	7369	142.870	6.8	0.14	13.12	584
Abbott Architect ALT 2	45	135.497	3.4	0.85	12.44	7
Abbott Architect c systems	44	135.372	3.3	0.85	12.43	7

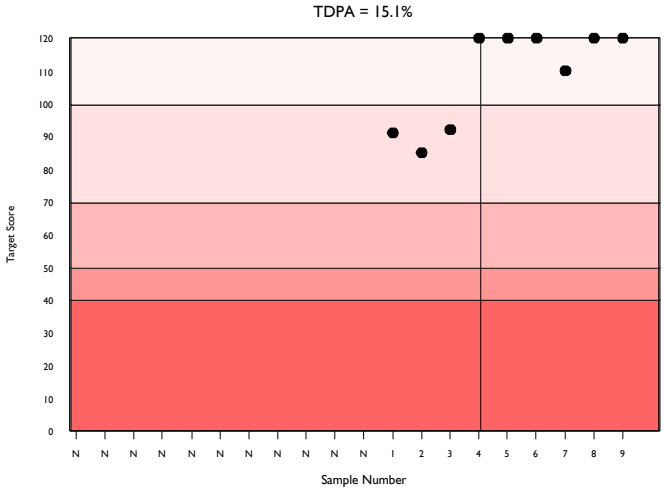
▲ Your Result	138.000	SDI	0.21
		RMSDI	Too Few
Mean for Comparison	135.372	TS	120
		RMTS	Too Few
		%DEV	1.9
		RM%DEV	Too Few

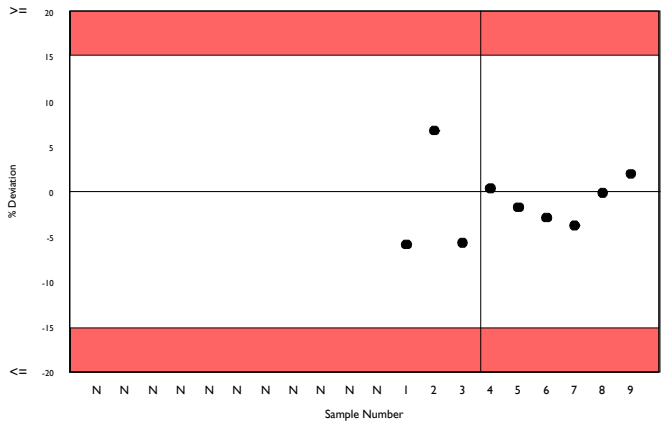
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	15.10%

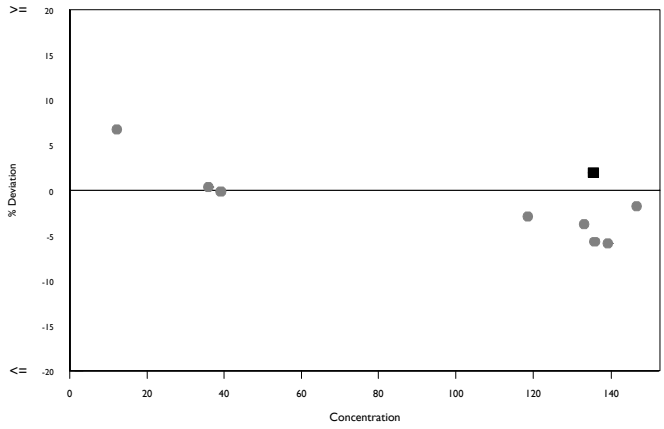


Method	N	Mean	CV%	U_m
Tris buffer without P5P	4675	141.053	7.5	0.19
Beckman Mod. IFCC Ref. without P5P	961	146.645	3.5	0.21
Tris buffer with P5P	707	145.641	5.7	0.39
Ortho Vitros MicroSlide Systems	174	145.318	3.1	0.43
Siemens/Dade standard nonIFCC correlated	164	154.310	4.5	0.67
Beckman IFCC Ref. with P5P	104	146.989	3.5	0.63
Abbott Alinity ALT 2	108	132.875	3.5	0.56
Agappe - IFCC	88	151.449	5.2	1.04
Ortho Vitros MicroSlide visible	72	145.909	3.3	0.70
Colorimetric	72	146.538	7.5	1.62
Other Dry Chemistry	70	144.897	4.6	0.99
Abbott Architect ALT 2	45	135.497	3.4	0.85
Phosphate buffer, DGKC	22	149.576	6.2	2.48
Tris buffer with P5P, NVKC	21	142.656	7.1	2.77
Tris buffer, SCE	19	135.944	10.3	4.01
Beckman (Extinction Coefficient)	11	144.386	2.9	1.56
LDH - JSCC	8	128.863	9.3	5.32









RIQAS

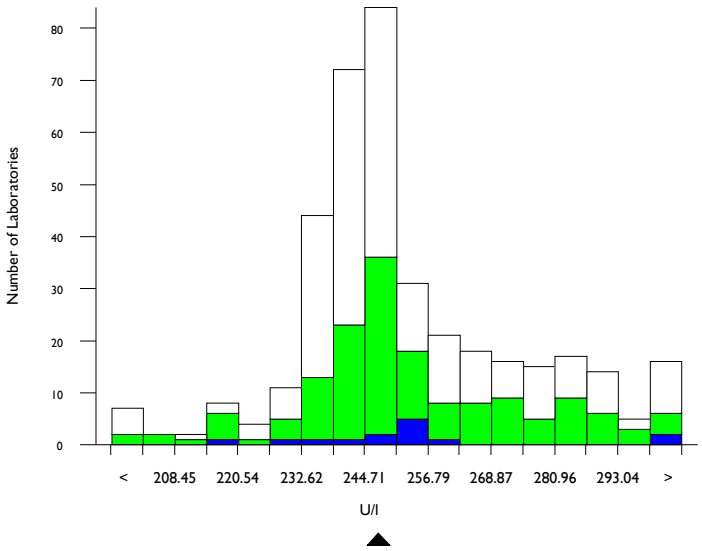
UKAS PROFICIENCY TESTING 0010

Amylase, Pancreatic, U/l @ 37°C

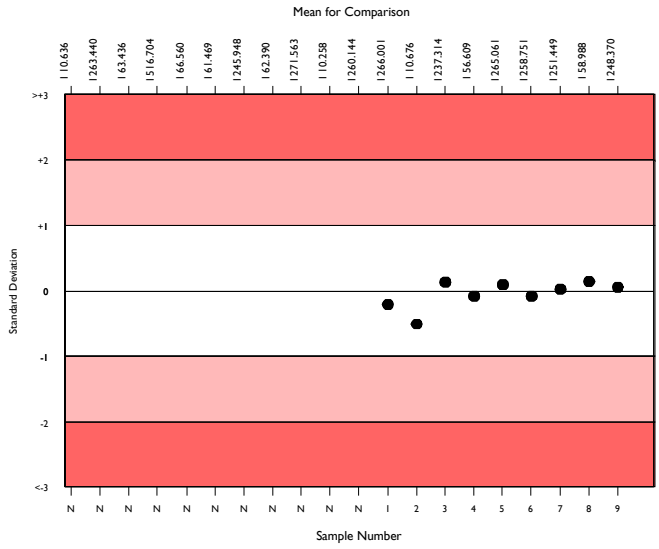
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	351	250.752	6.4	1.08	30.95	36
Immunoinhibition, EPS substrate	147	251.814	6.9	1.78	31.08	14
Abbott Architect c systems	11	248.370	3.4	3.15	30.65	3

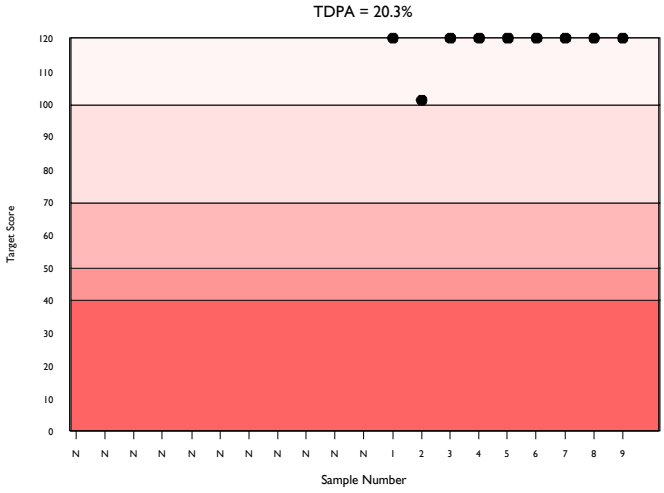
Your Result	250.000	SDI	0.05
		RMSDI	Too Few
Mean for Comparison	248.370	TS	120
		RMTS	Too Few
		%DEV	0.7
		RM%DEV	Too Few

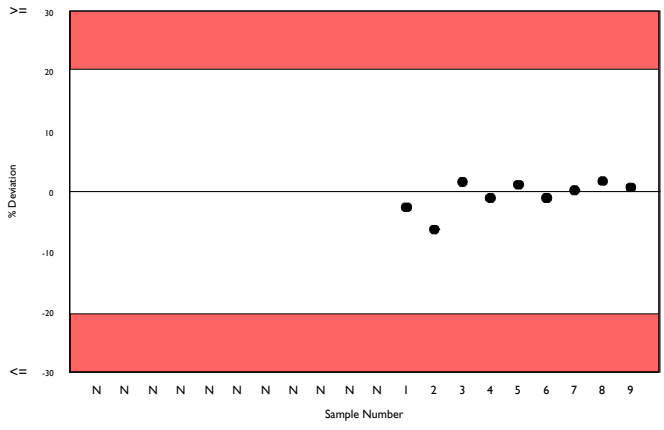
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	20.30%

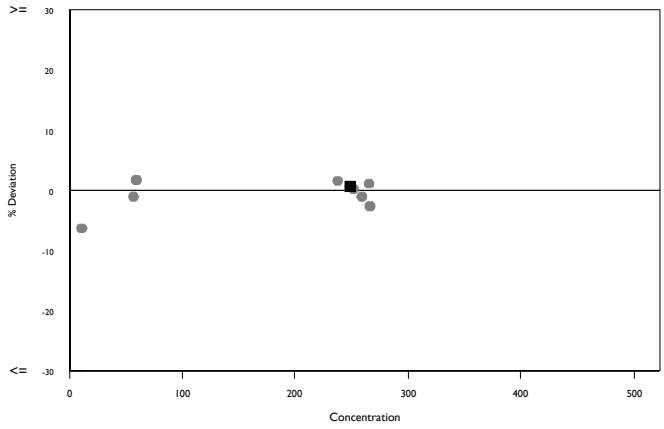


Method	N	Mean	CV%	U_m
Roche Liquid Stable pNPG7	145	245.476	3.6	0.92
Immunoinhibition, EPS substrate	147	251.814	6.9	1.78
Amyloclastic Methods	23	269.171	9.8	6.90
Beckman Synchron/CX/LXi/DxC	15	259.745	9.4	7.89
Randox Liquid Stable pNPG7	11	262.046	7.3	7.18
Other Dry Chemistry	9	239.022	18.5	18.40









RIQAS

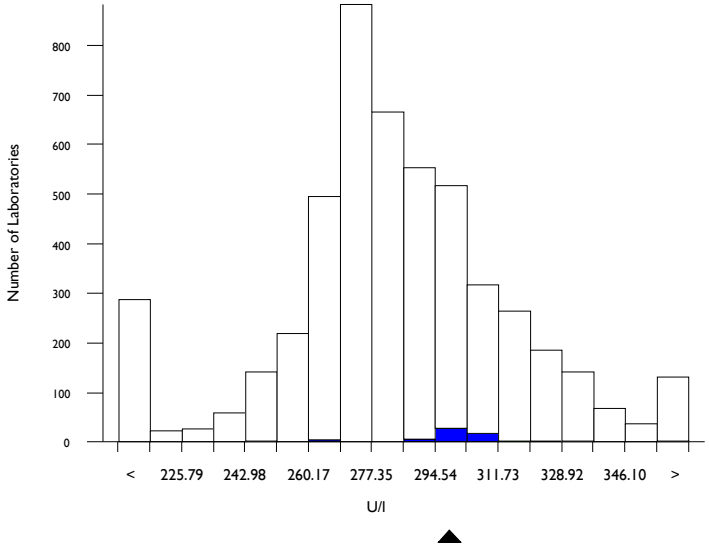
UKAS PROFICIENCY TESTING 0010

Amylase, Total, U/l @ 37°C

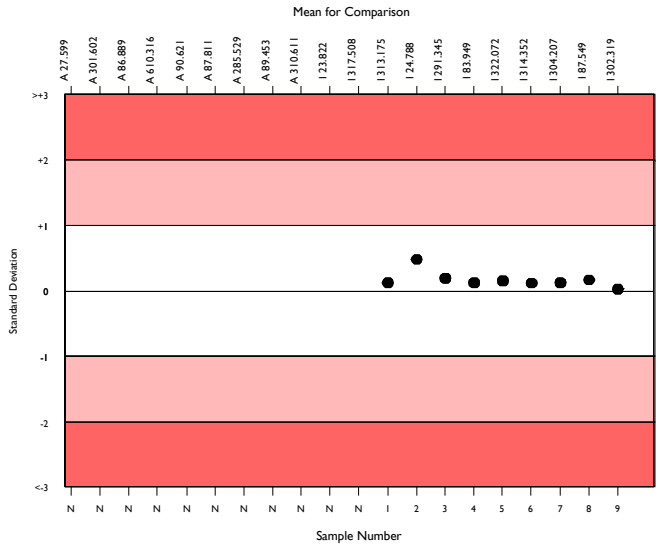
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	4561	285.952	8.0	0.42	29.38	446
Abbott Architect Amylase 2	52	302.102	1.9	1.01	31.04	9
Abbott Architect c systems	51	302.319	2.2	1.14	31.06	8

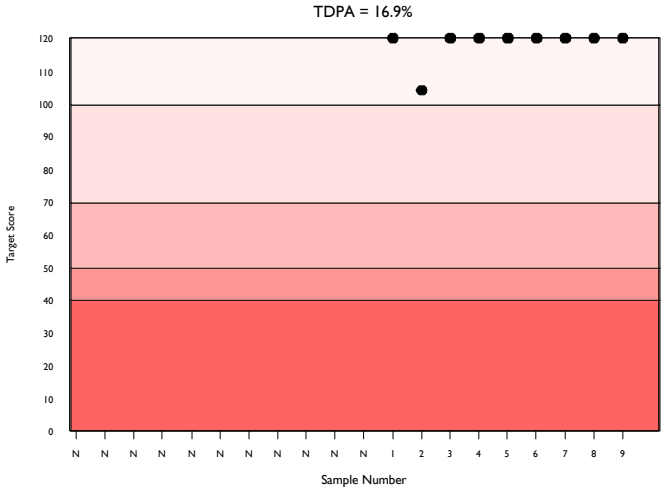
Your Result	303.000	SDI	0.02
		RMSDI	Too Few
Mean for Comparison	302.319	TS	120
		RMTS	Too Few
		%DEV	0.2
		RM%DEV	Too Few

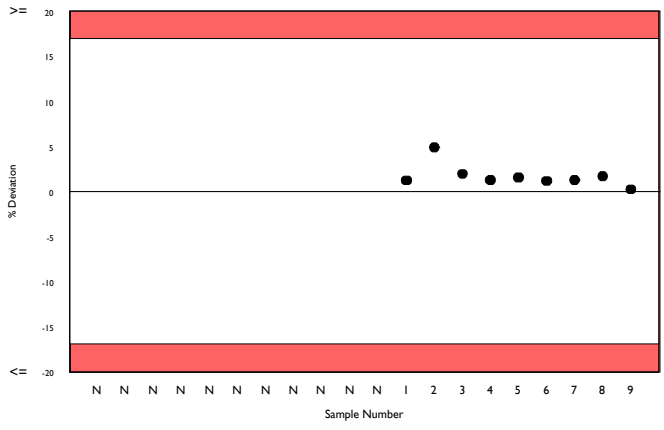
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	16.90%

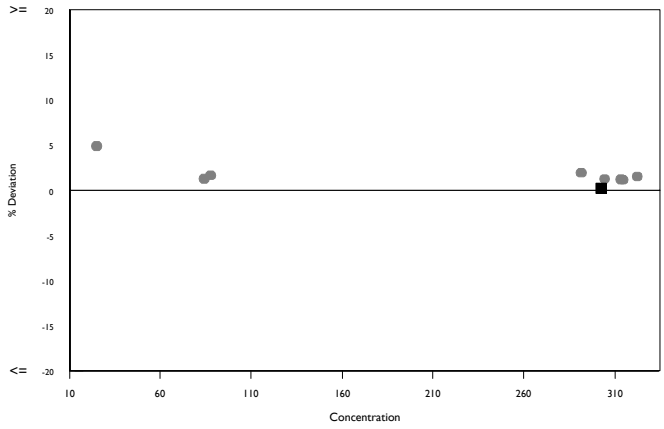


Method	N	Mean	CV%	U_m
Other 2-chloro-pNPG3	1021	288.097	9.1	1.02
Roche liquid stable pNPG7	933	270.705	2.2	0.24
Beckman Olympus blocked pNPG7	238	285.370	3.5	0.80
Beckman CNPG3 (Master Cal)	225	283.082	3.6	0.84
Siemens/Dade Behring 2-chloro-pNPG3	212	326.222	2.8	0.77
Siemens - blocked pNPG7	171	305.598	5.8	1.70
Other - blocked pNPG7	163	288.330	6.7	1.90
Ortho Vitros MicroSlide Systems	155	177.484	4.5	0.81
Other non blocked pNPG7	116	279.829	7.1	2.32
Abbott Alinity Amylase 2	105	300.744	1.4	0.52
Abbott Architect/Alinity cal factor 3431	100	303.875	2.3	0.89
Randox Liquid Ethylidene pNPG7	99	293.708	6.6	2.43
Beckman CNPG3 (Extinction Coeff)	97	281.875	3.7	1.31
Roche Integra 2-chloro-pNPG7	84	273.467	2.5	0.95
Human CNPG3 (IFCC)	68	294.566	6.6	2.94
pNP Maltotrioside substrates	66	296.413	8.1	3.71
Other 2-chloro-pNP-linked sub.	62	294.033	8.0	3.73
Agappe - CNPG3	62	292.322	3.8	1.77
Beckman Synchron AMY7	61	288.434	3.1	1.43
BM/Roche Colorimetric pNPG7	55	268.734	2.7	1.22
Abbott Architect Amylase 2	52	302.102	1.9	1.01









RIQAS

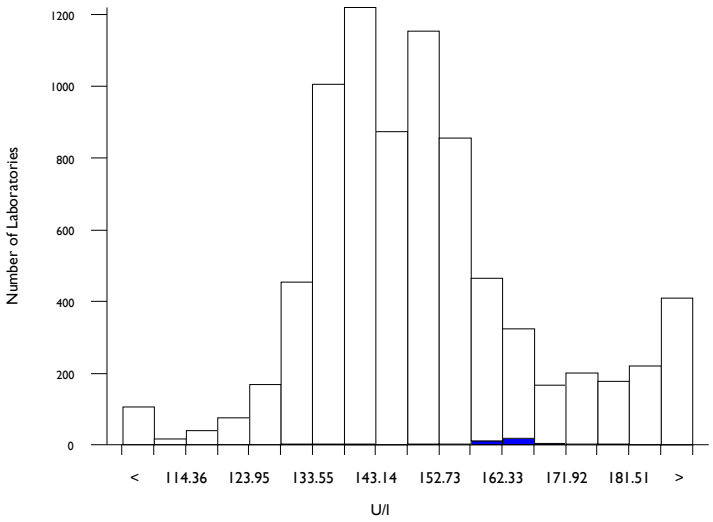
UKAS PROFICIENCY TESTING 0010

AST (GOT), U/l @ 37°C

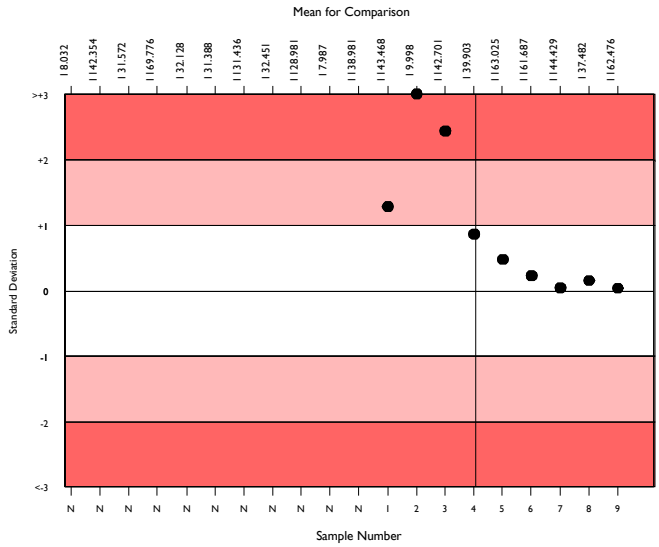
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	7236	147.940	8.6	0.19	13.31	688
Abbott Architect AST 2	46	161.988	5.0	1.51	14.58	6
Abbott Architect c systems	45	162.476	4.7	1.41	14.62	6

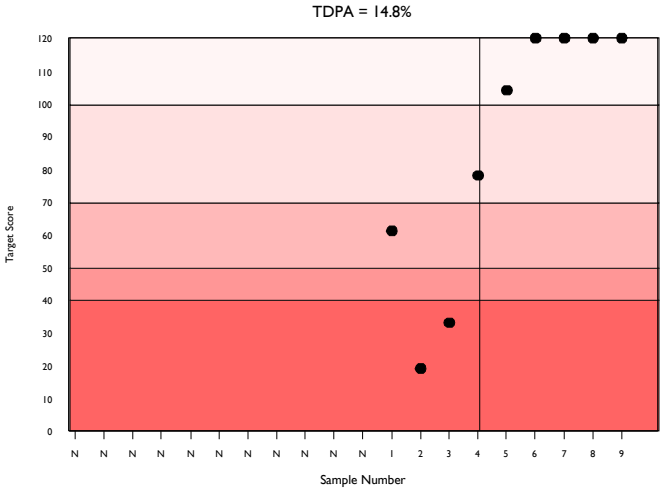
Your Result	163.000	SDI	0.04
		RMSDI	Too Few
Mean for Comparison	162.476	TS	120
		RMTS	Too Few
		%DEV	0.3
		RM%DEV	Too Few

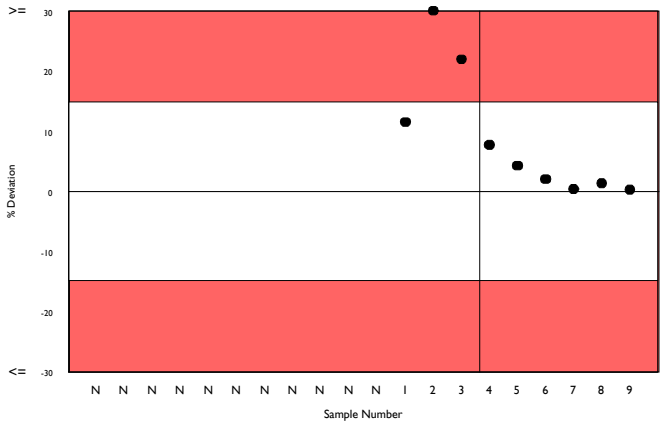
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	14.80%

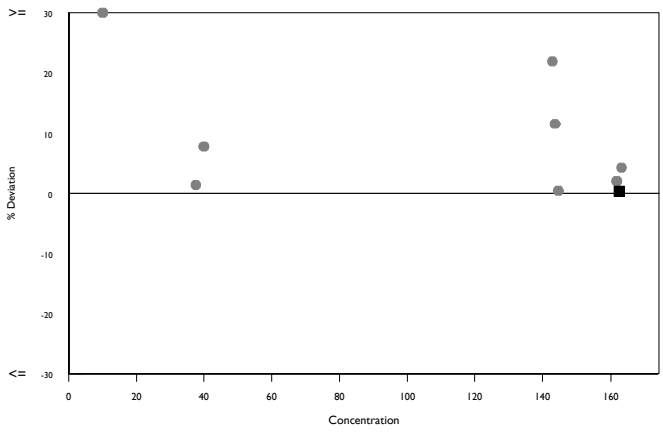


Method	N	Mean	CV%	U_m
Tris buffer without P5P	4670	143.749	6.7	0.18
Beckman Mod. IFCC Ref. without P5P	972	151.162	3.5	0.21
Tris buffer with P5P	711	169.592	11.1	0.88
Ortho Vitros MicroSlide visible	247	186.114	4.2	0.63
Siemens/Dade standard non IFCC corr.	168	173.125	7.4	1.24
Beckman IFCC Ref. with P5P	90	152.010	4.7	0.94
Abbott Alinity AST 2	92	160.407	3.6	0.75
Agappe - IFCC	88	144.937	5.3	1.03
Other Dry Chemistry	66	148.141	3.5	0.81
Colorimetric	63	147.462	7.3	1.70
Abbott Architect AST 2	46	161.988	5.0	1.51
Phosphate buffer, DGKC	25	145.648	4.7	1.72
Tris buffer with P5P, NVKC	24	139.474	7.9	2.79
Tris buffer, SCE	15	148.960	5.5	2.67
Beckman (Extinction Coefficient)	10	149.363	3.7	2.18
MDH - JSCC	5	138.200	8.0	6.19
Vitros DT60/DT60 II/DTSC II	2	153.500	0.5	0.62









RIQAS

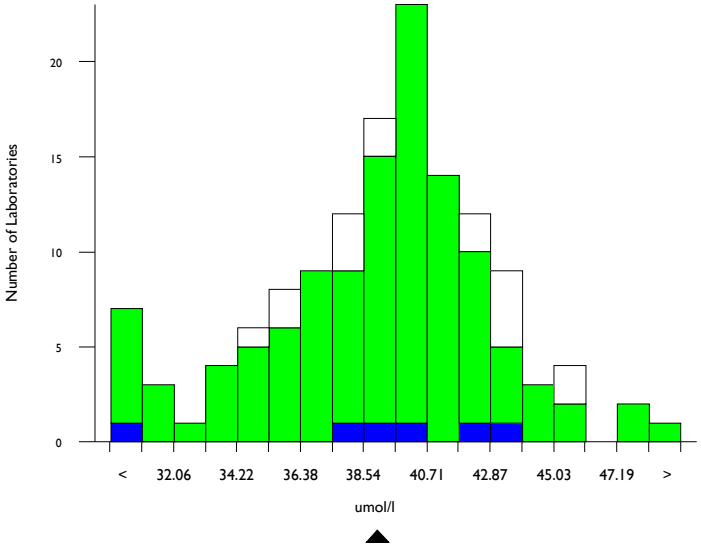
UKAS PROFICIENCY TESTING 0010

Bile Acids, umol/l

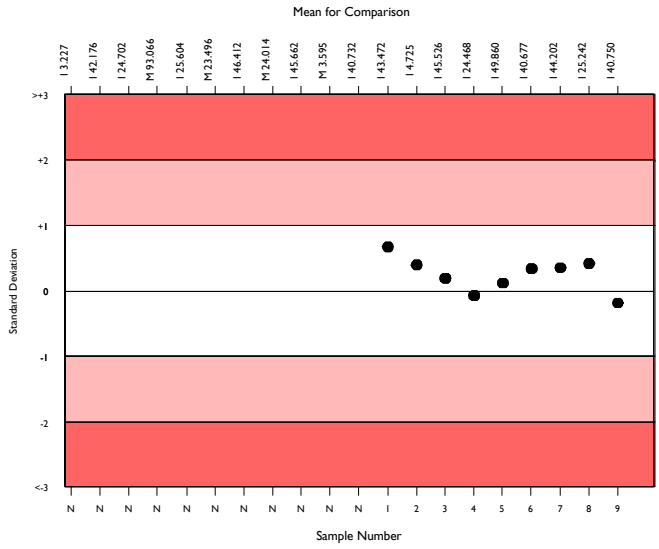
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	122	39.630	7.3	0.33	5.90	13
Enzymatic Colorimetric	106	39.484	7.0	0.33	5.88	13
Abbott Architect c systems	5	40.750	4.8	1.10	6.07	1

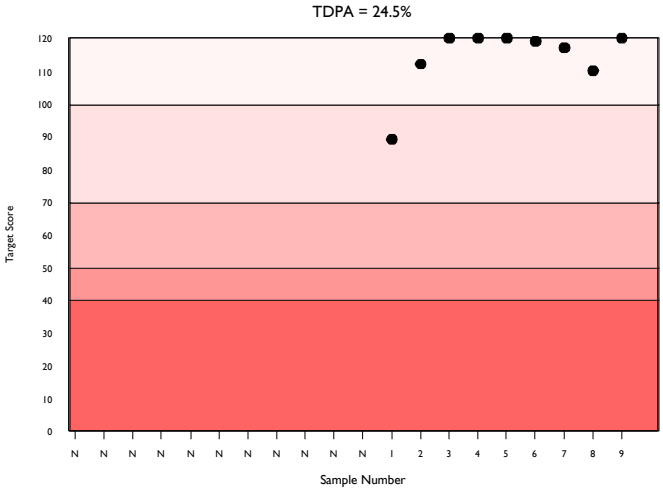
▲ Your Result	39.600	SDI	-0.19
		RMSDI	Too Few
Mean for Comparison	40.750	TS	120
		RMTS	Too Few
		%DEV	-2.8
		RM%DEV	Too Few

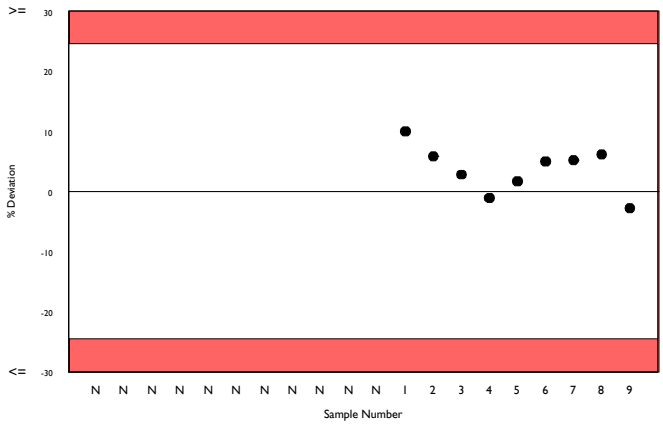
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	24.50%

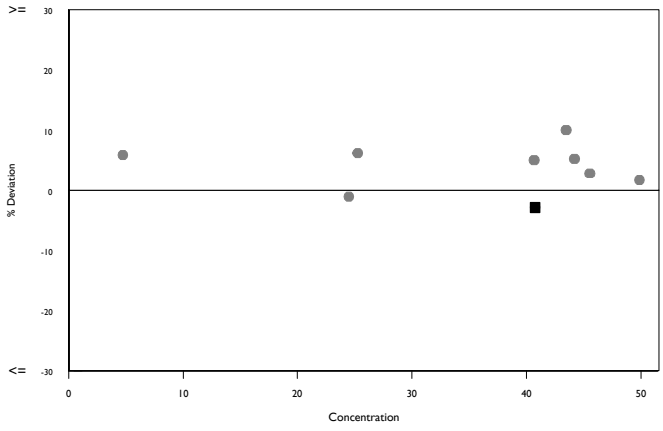


Method	N	Mean	CV%	U_m
Enzymatic Colorimetric	106	39.484	7.0	0.33
Enzymatic Colorimetric - Sentinel	16	40.596	8.8	1.12









RIQAS

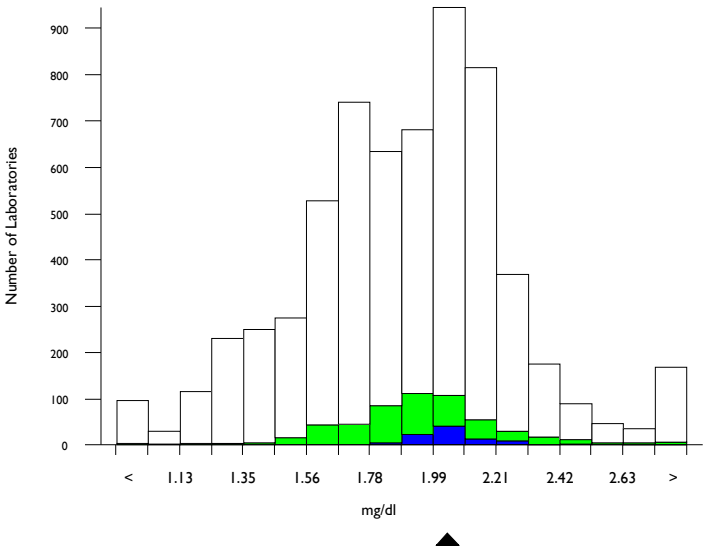
UKAS PROFICIENCY TESTING 0010

Bilirubin, Direct, mg/dl

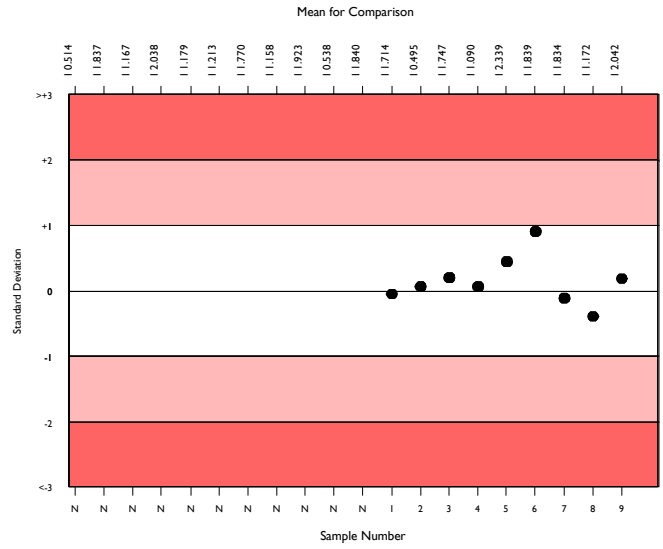
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	5779	1.889	15.1	0.00	0.30	439
Diazo with Dichloroanaline	510	1.945	10.5	0.01	0.31	39
Abbott Architect c systems	83	2.042	4.6	0.01	0.32	11

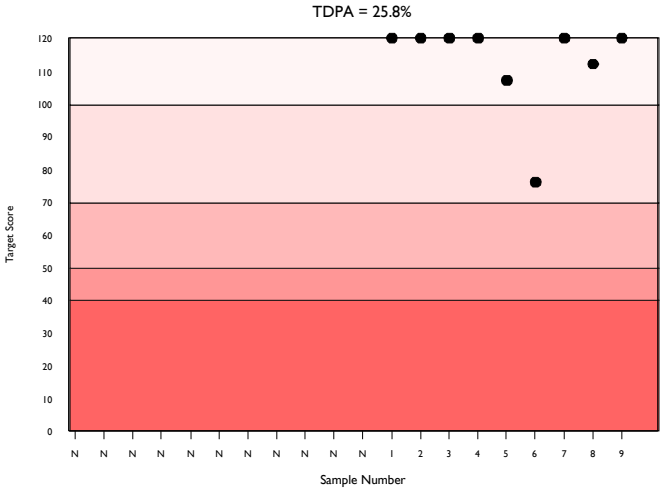
▲ Your Result	2.100	SDI	0.18
		RMSDI	Too Few
Mean for Comparison	2.042	TS	120
		RMTS	Too Few
		%DEV	2.9
		RM%DEV	Too Few

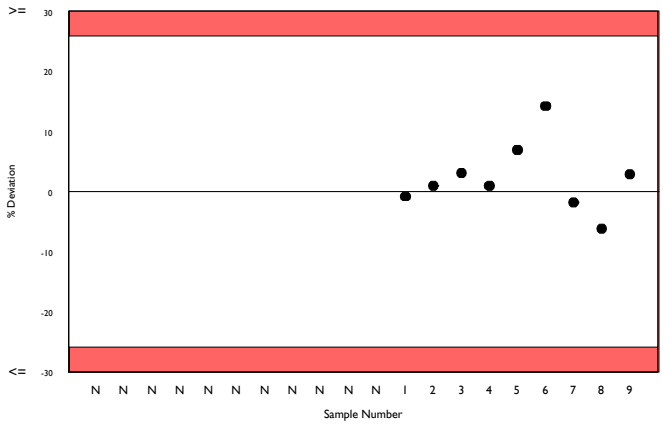
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	25.80%

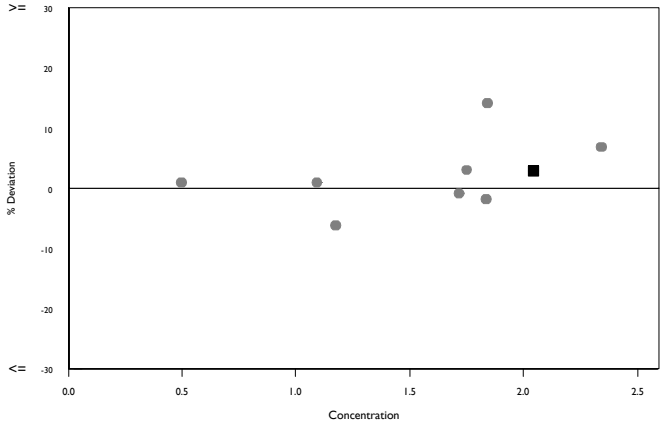


Method	N	Mean	CV%	U_m
Diazo with Sulphanilic Acid	2068	1.862	15.5	0.01
Dichlorophenyl Diazonium	1720	1.874	12.6	0.01
Diazo with Dichloroanaline	510	1.945	10.5	0.01
Roche DPD JG standardised	378	2.152	4.8	0.01
Oxidation to Biliverdin/Vanadate	377	2.069	7.5	0.01
Diazo/ Sulphanilic Siemens Dimension	246	1.308	5.3	0.01
Roche DPD Doumas standardised	223	1.951	10.6	0.02
Diazo/Sulphanilic Beckman DxC	111	1.668	9.7	0.02
Agappe - DIAZO	58	1.015	11.8	0.02
Other Dry Chemistry	49	2.783	6.4	0.03
Direct Spectrophotometry	8	2.000	7.2	0.06
Roche (US calibrator only)	3	2.054	8.1	0.12









RIQAS

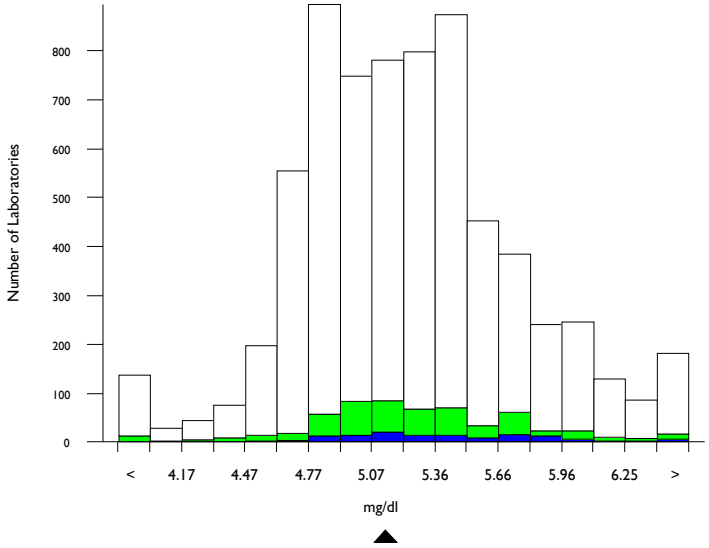
UKAS PROFICIENCY TESTING 0010

Bilirubin, Total, mg/dl

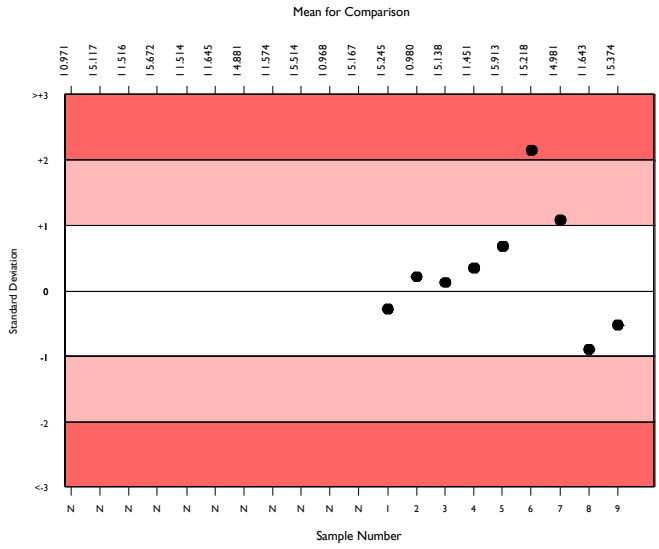
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	6310	5.220	7.6	0.01	0.50	542
Diazo with Dichloroaniline	544	5.287	7.3	0.02	0.51	43
Abbott Architect c systems	120	5.374	7.2	0.04	0.52	6

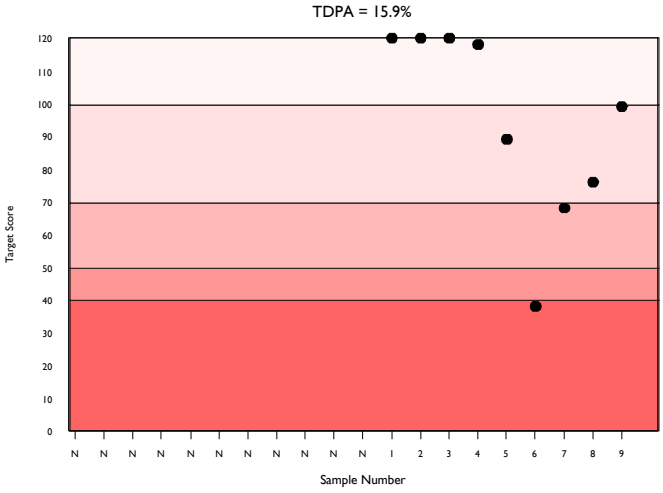
▲ Your Result	5.100	SDI	-0.53
		RMSDI	Too Few
Mean for Comparison	5.374	TS	99
		RMTS	Too Few
		%DEV	-5.1
		RM%DEV	Too Few

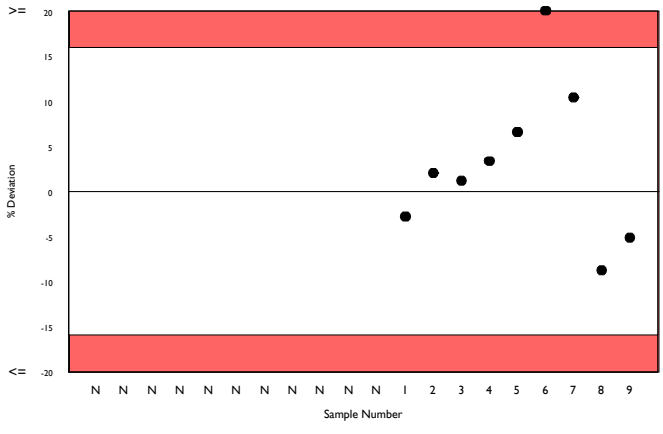
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	15.90%

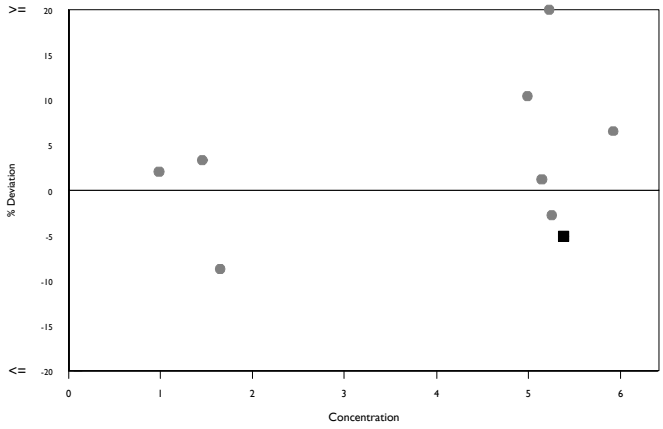


Method	N	Mean	CV%	U_m
Diazo with Sulphanilic Acid	2294	5.305	7.5	0.01
Dichlorophenyl Diazonium	1435	5.020	6.3	0.01
DPD (Beckman AU)	627	5.373	3.1	0.01
Diazo with Dichloroaniline	544	5.287	7.3	0.02
Diazonium ion	529	4.940	5.2	0.01
Oxidation to Biliverdin/Vanadate	419	5.823	7.4	0.03
Ortho Vitros MicroSlide System Total Bil	209	5.013	5.0	0.02
Other Dry Chemistry	57	4.976	3.8	0.03
Agappe - TAB	53	4.973	7.3	0.06
Abbott Alinity Total Bilirubin 2	28	5.350	5.7	0.07
Nitrobenzenediazonium Salt	24	4.981	5.2	0.07
Agappe - DMSO	11	4.989	4.4	0.08
Direct Spectrophotometry	10	4.777	7.1	0.13
Abbott Architect Total Bilirubin 2	10	5.206	6.2	0.13
Vitros DT60/DT60 II Total Bil	5	5.162	12.7	0.37
Assel - DMSO	2	5.710	0.7	0.04









RIQAS

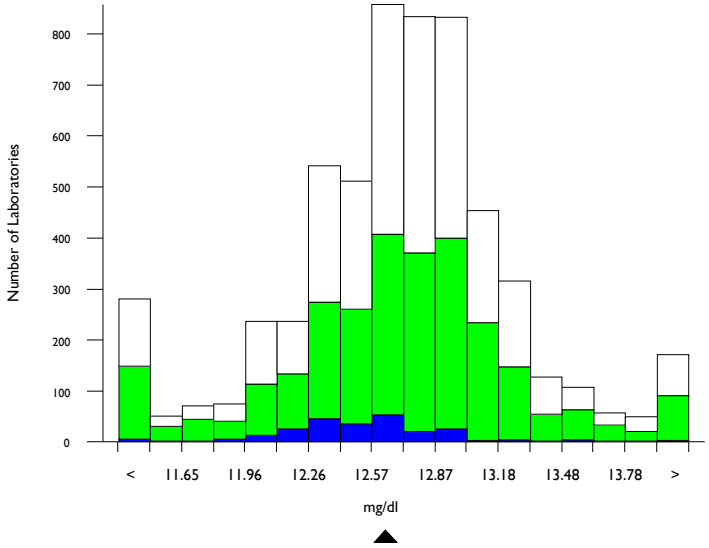
UKAS PROFICIENCY TESTING 0010

Calcium, mg/dl

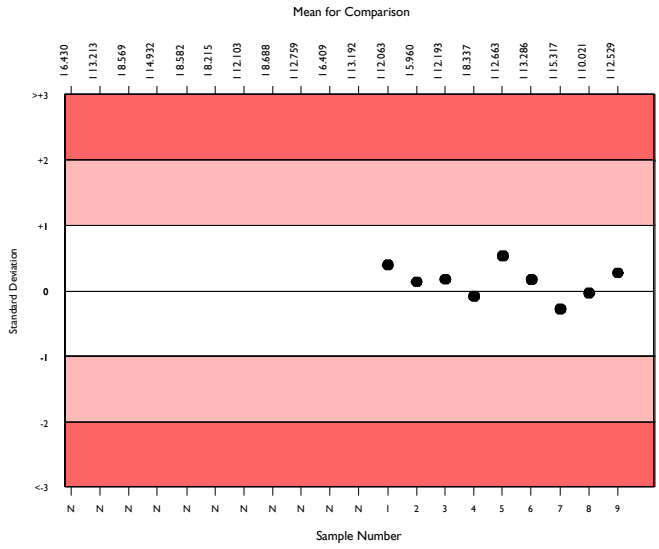
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	5322	12.724	3.2	0.01	0.64	482
Arsenazo	2636	12.712	3.4	0.01	0.64	229
Abbott Architect c systems	228	12.529	2.2	0.02	0.63	23

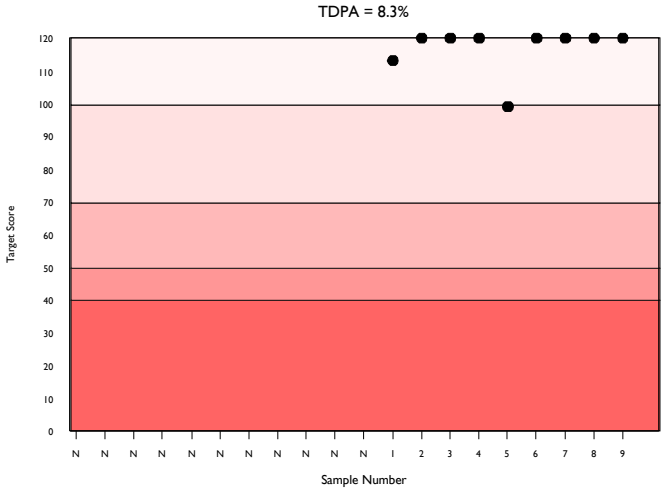
▲ Your Result	12.700	SDI	0.27
		RMSDI	Too Few
Mean for Comparison	12.529	TS	120
		RMTS	Too Few
		%DEV	1.4
		RM%DEV	Too Few

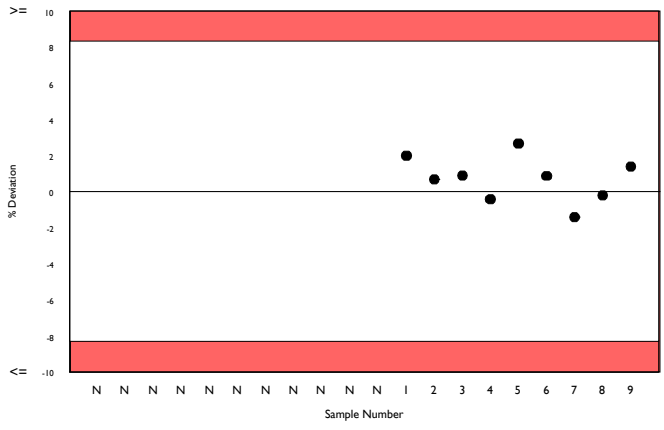
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	8.30%

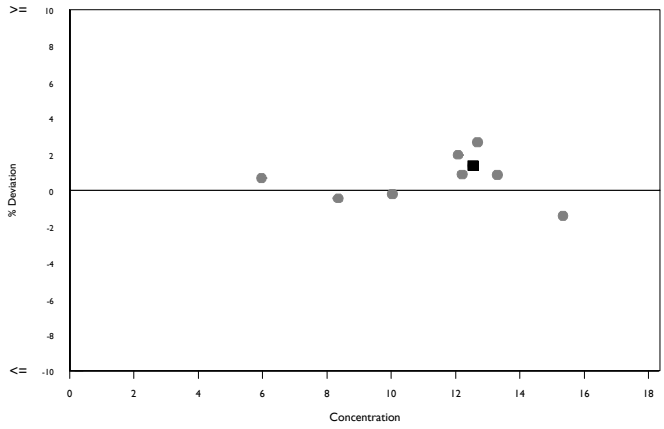


Method	N	Mean	CV%	U_m
Arsenazo	2636	12.712	3.4	0.01
Cresolphthalein complexone	1140	12.688	3.1	0.01
NM-BAPTA	1015	12.835	2.0	0.01
Ortho Vitros MicroSlide Systems	233	12.456	2.4	0.02
Ion selective electrode	140	12.348	7.5	0.10
Agappe - ARSENAZO	49	13.043	2.7	0.06
Other Dry Chemistry	48	13.394	4.4	0.11
Phosphonazo	30	12.501	3.6	0.10
Methylthymol blue	13	12.851	5.9	0.26
Atomic absorption	6	11.330	15.2	0.88
Agappe - OCPC	4	11.533	9.2	0.66
Optical Emission Spectroscopy	1	12.100	0.0	0.00









RIQAS

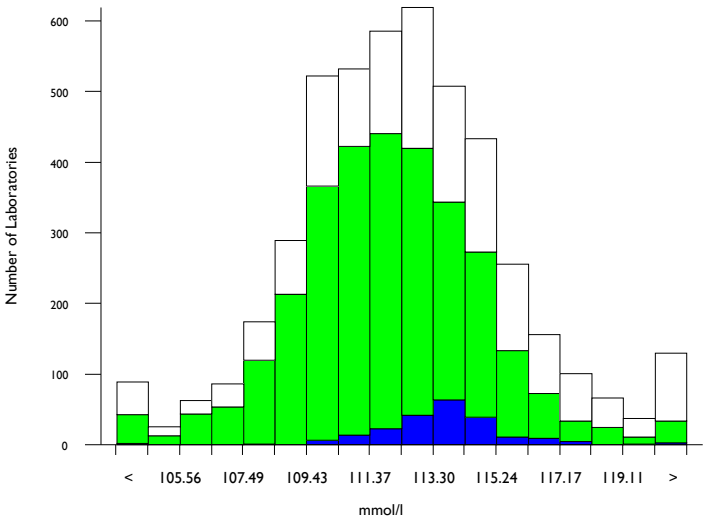
UKAS PROFICIENCY TESTING 0010

Chloride, mmol/l

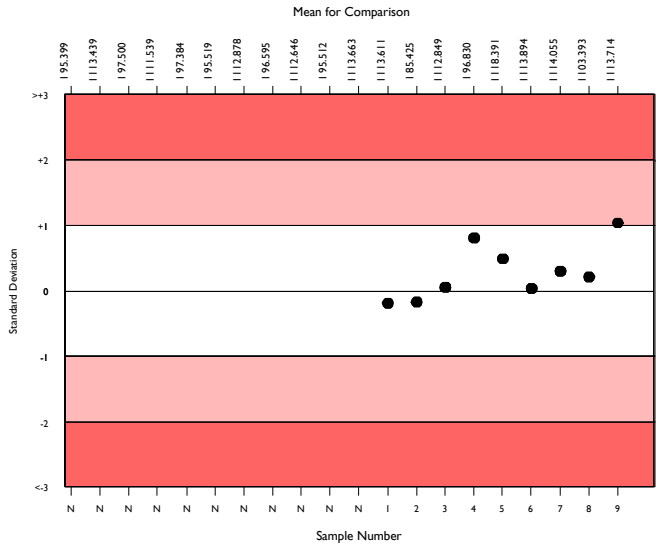
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	4312	112.340	2.3	0.05	3.14	363
ISE, indirect	2859	112.038	2.0	0.05	3.13	201
Abbott Architect c systems	202	113.714	1.3	0.13	3.18	19

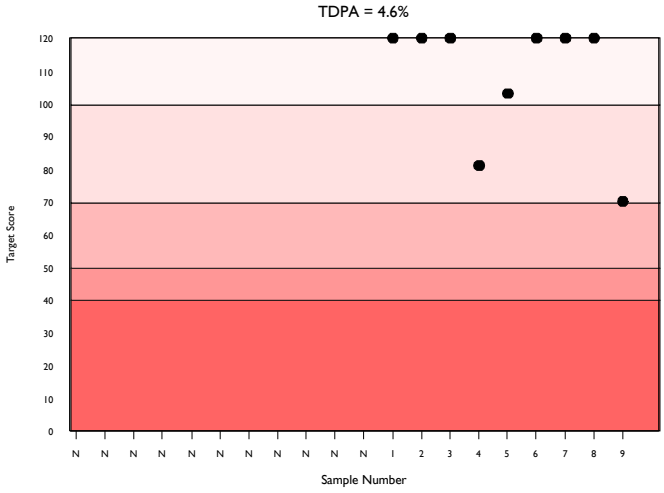
▲ Your Result	117.000	SDI	1.03
		RMSDI	Too Few
Mean for Comparison	113.714	TS	70
		RMTS	Too Few
		%DEV	2.9
		RM%DEV	Too Few

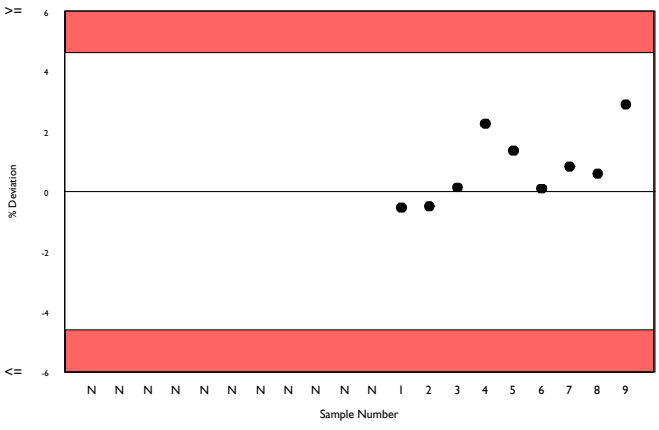
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	4.60%

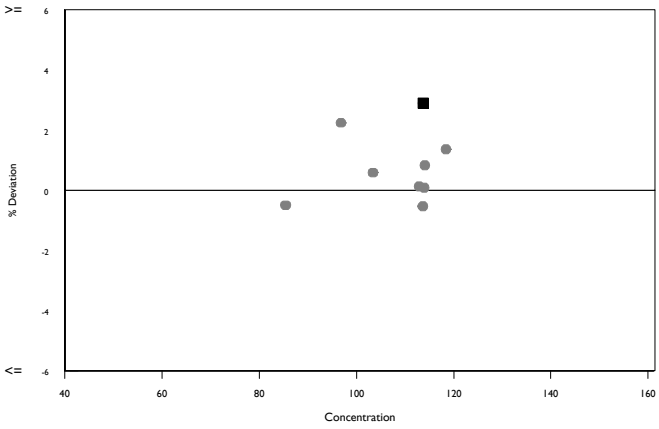


Method	N	Mean	CV%	U_m
ISE, indirect	2859	112.038	2.0	0.05
ISE, direct	1149	113.070	3.0	0.12
Ortho Vitros MicroSlide Systems	149	114.784	1.5	0.17
Colorimetric	114	110.897	3.0	0.39
Other Dry Chemistry	46	114.751	3.4	0.72
Agappe - THIOCYANATE	24	112.890	1.5	0.44
Optical Fluorescence	3	117.133	3.5	2.98









RIQAS

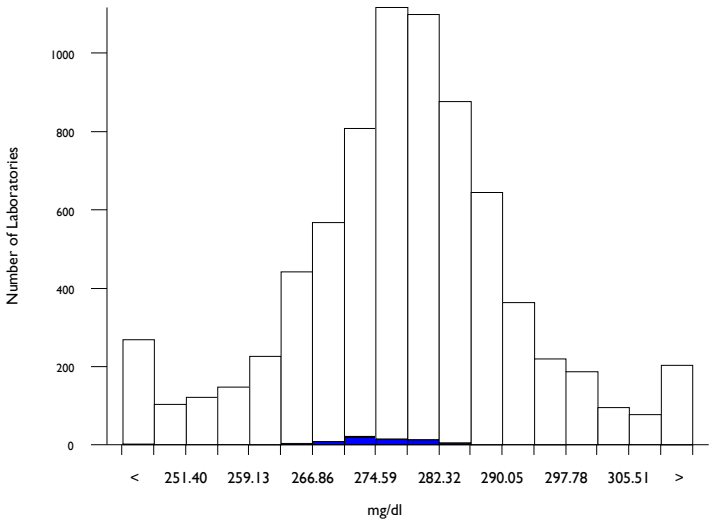
UKAS PROFICIENCY TESTING 0010

Cholesterol, mg/dl

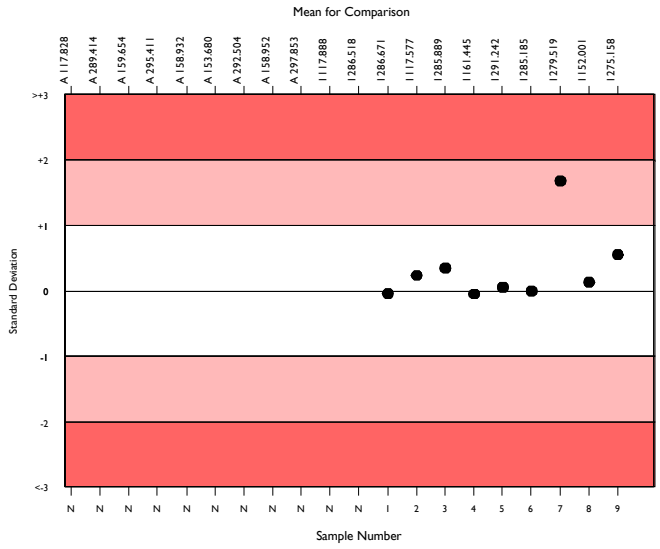
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	6879	278.461	3.7	0.15	14.56	683
Abbott Architect Cholesterol 2	65	275.169	1.7	0.73	14.38	7
Abbott Architect c systems	63	275.158	1.7	0.74	14.38	7

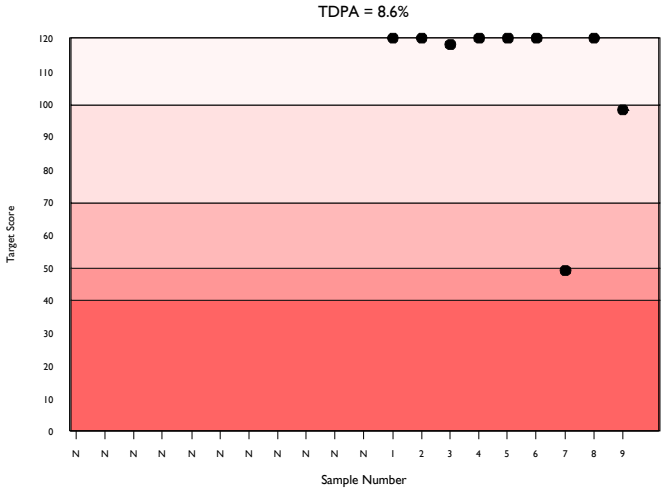
Your Result	283.000	SDI	0.55
		RMSDI	Too Few
Mean for Comparison	275.158	TS	98
		RMTS	Too Few
		%DEV	2.8
		RM%DEV	Too Few

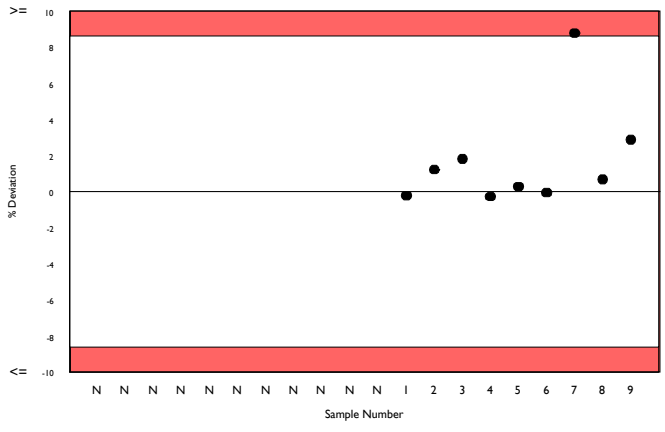
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	8.60%

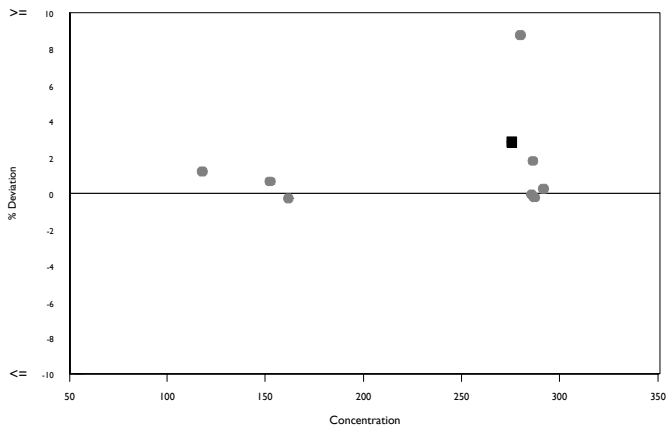


Method	N	Mean	CV%	U_m
Cholesterol Oxidase - Abell Kendall	4808	279.322	3.7	0.18
Cholesterol Oxidase - IDMS	1088	280.436	3.3	0.35
Ortho Vitros MicroSlide Systems	245	272.367	3.1	0.68
Siemens Dimension	228	267.464	3.2	0.72
Cholesterol Dehydrogenase	172	279.426	4.1	1.09
Abbott Alinity Cholesterol 2	114	276.686	1.3	0.43
Agappe - CHOD-PAP	92	270.628	5.6	1.96
Abbott Architect Cholesterol 2	65	275.169	1.7	0.73
Other Dry Chemistry	60	265.594	5.8	2.48
Dimension - non Siemens reagents	4	264.596	0.8	1.27









RIQAS

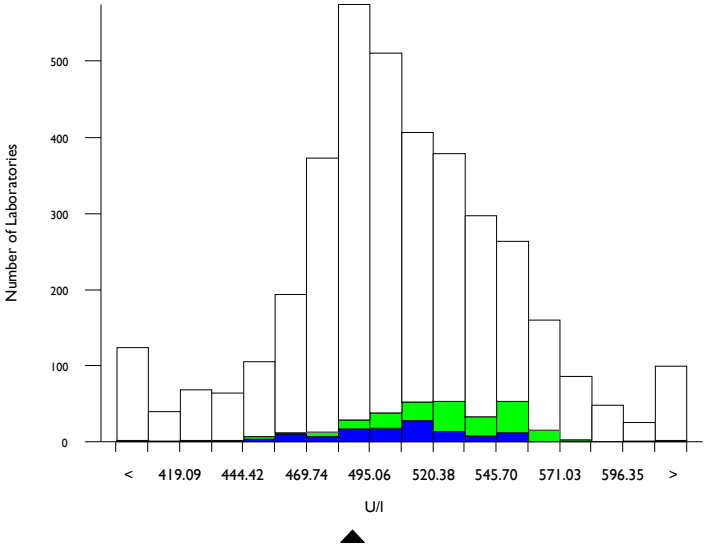
UKAS PROFICIENCY TESTING 0010

CK, Total, U/l @ 37°C

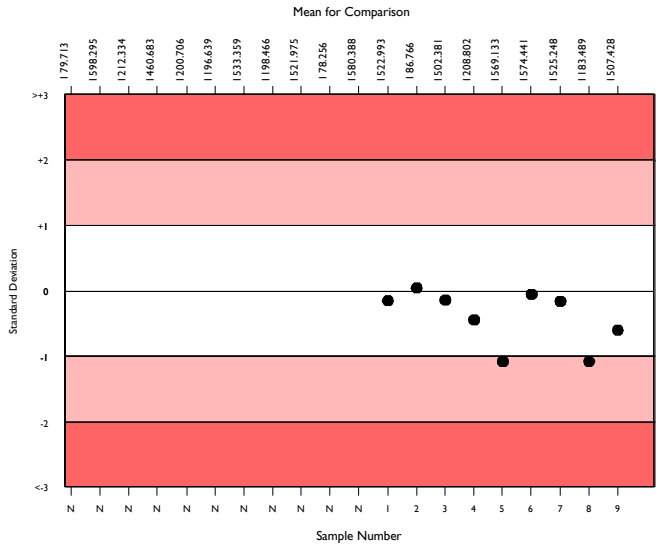
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	3481	507.726	6.6	0.72	37.04	331
Abbott CK-NAC (IFCC)	299	521.683	5.0	1.89	38.06	19
Abbott Architect c systems	117	507.428	5.1	2.98	37.02	7

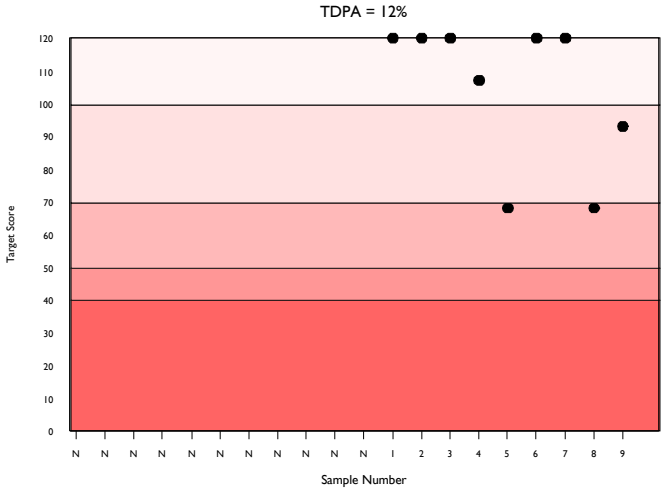
Your Result	485.000	SDI	-0.61
		RMSDI	Too Few
Mean for Comparison	507.428	TS	93
		RMTS	Too Few
		%DEV	-4.4
		RM%DEV	Too Few

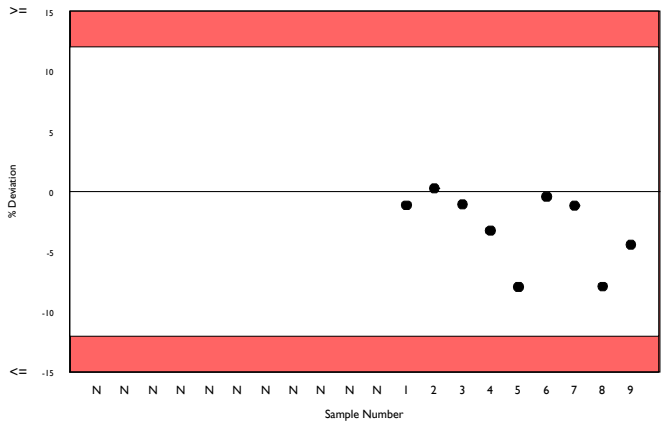
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	12.00%

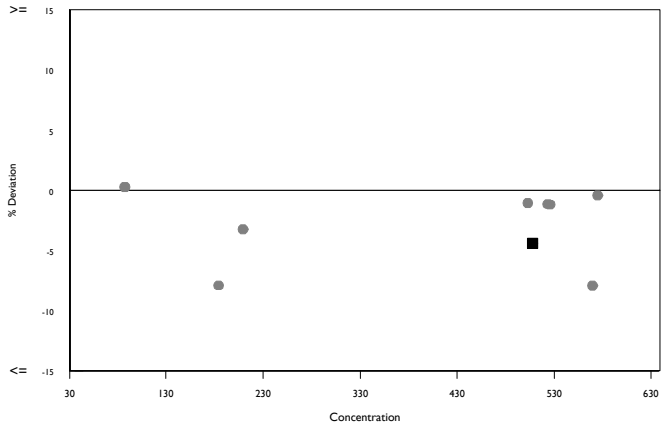


Method	N	Mean	CV%	U_m
CK-NAC (IFCC)	1974	498.332	5.0	0.69
Beckman CK-NAC (IFCC)	536	542.798	4.0	1.18
Abbott CK-NAC (IFCC)	299	521.683	5.0	1.89
CK-NAC substrate start (DGKC)	155	502.120	7.3	3.70
Ortho Vitros MicroSlide Systems	147	421.935	6.3	2.73
Creatine phosphate substrate start	111	491.474	5.4	3.14
CK-NAC serum start (DGKC)	91	506.078	7.8	5.20
Monothioglycerol	53	545.376	5.1	4.76
Agappe - IFCC/KINETIC	34	525.666	3.3	3.75
Other Dry Chemistry	30	692.417	4.5	7.05
Beckman CK-NAC (Extinction Coeff)	17	522.426	6.6	10.38
Dithioerythritol (DTE), IFCC correlated	10	507.300	4.5	8.95
Dithioerythritol (DTE)	3	478.633	6.4	21.95









RIQAS

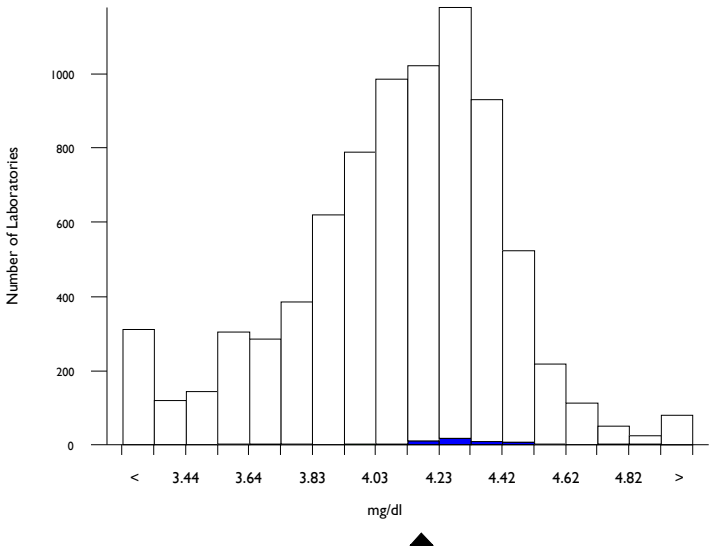
UKAS PROFICIENCY TESTING 0010

Creatinine, mg/dl

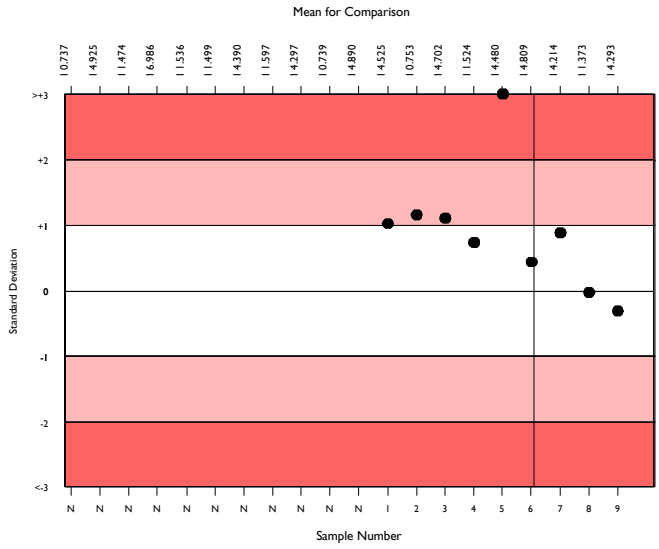
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	7481	4.134	6.4	0.00	0.32	593
Abbott Architect Creatinine 2	56	4.287	4.1	0.03	0.33	8
Abbott Architect c systems	55	4.293	4.0	0.03	0.33	8

▲ Your Result	4.190	SDI	-0.31
		RMSDI	Too Few
Mean for Comparison	4.293	TS	120
		RMTS	Too Few
		%DEV	-2.4
		RM%DEV	Too Few

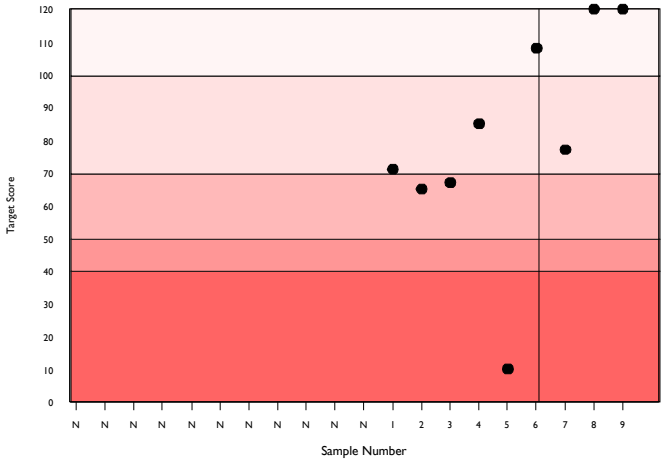
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	12.60%

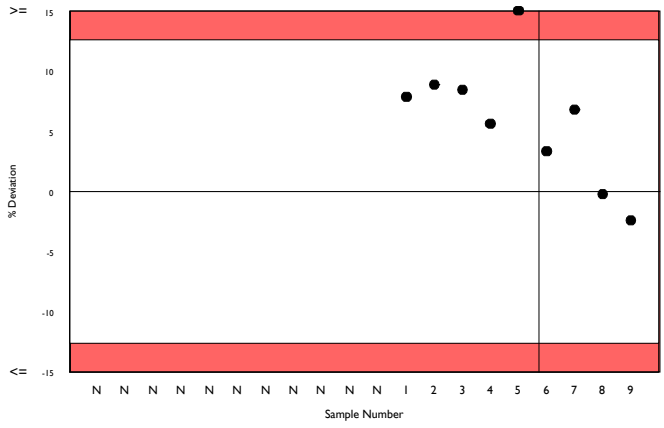


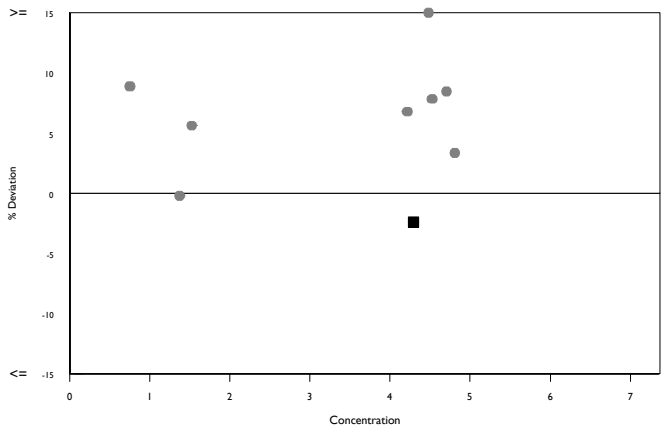
Method	N	Mean	CV%	U_m
Alkaline picrate no deproteinisation	1843	4.072	7.7	0.01
Jaffe rate blanked	1703	3.976	6.1	0.01
Jaffe rate blanked comp. (-26umol/l)	880	4.195	3.6	0.01
Enzymatic UV method (340nm)	391	4.294	4.2	0.01
IDMS traceable	402	4.221	4.5	0.01
Roche Creatinine Plus	373	4.314	2.9	0.01
Jaffe rate comp. (-18umol/l)	385	4.104	5.0	0.01
Other enzymatic methods	350	4.338	3.8	0.01
Creatinine PAP method	316	4.292	4.9	0.01
Vitros, IDMS traceable	178	4.342	3.6	0.01
Alkaline picrate with deproteinisation	177	4.076	6.7	0.03
Other Dry Chemistry	105	4.074	6.0	0.03
Agappe - JAFFE'S KINETIC	69	3.719	6.6	0.04
Abbott Alinity Creatinine 2	62	4.298	2.5	0.02
Abbott Architect Creatinine 2	56	4.287	4.1	0.03
Jaffe rate blanked comp. (-33umol/l)	54	3.860	7.5	0.05
Vitros DT60/DT60 II/DTSC II	31	4.373	4.5	0.04
Agappe - ENZYMATIC	28	4.147	12.6	0.12



TDPA = 12.6%







RIQAS

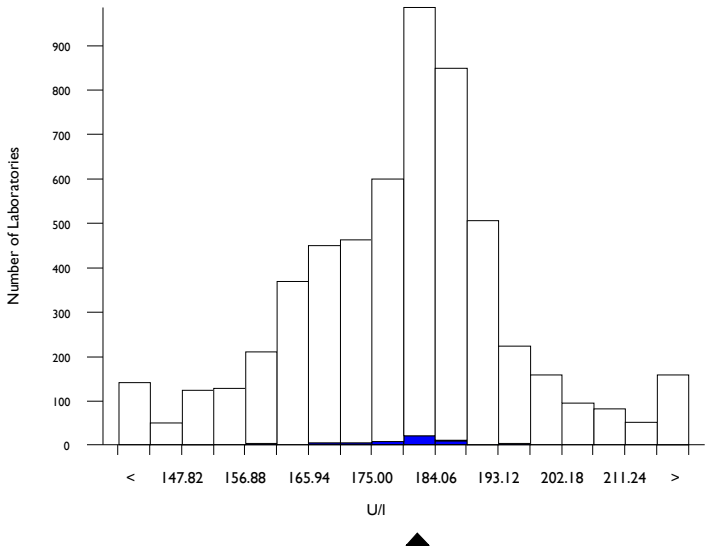
UKAS PROFICIENCY TESTING 0010

GGT, U/l @ 37°C

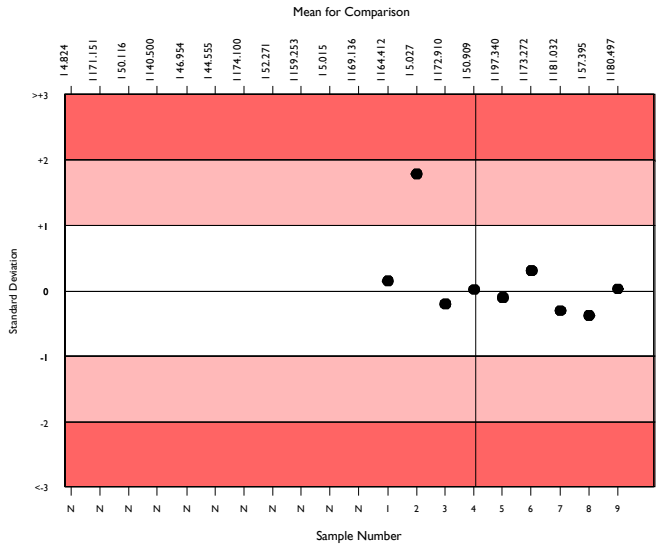
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	5180	179.535	6.7	0.21	19.54	450
Abbott Architect GGT 2	51	180.752	3.5	1.12	19.67	6
Abbott Architect c systems	49	180.497	3.5	1.14	19.64	6

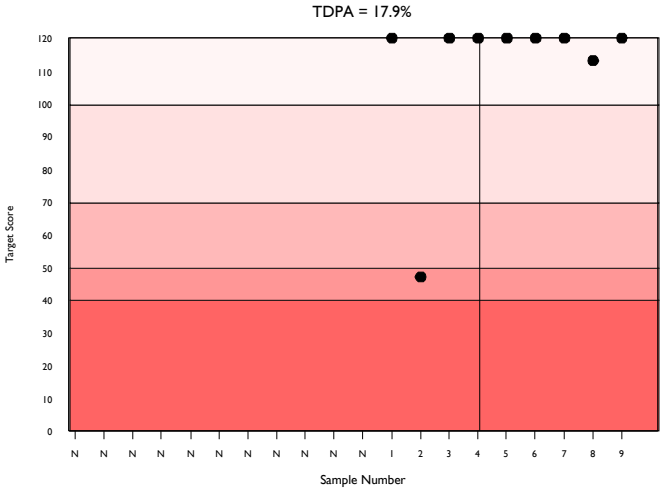
Your Result	181.000	SDI	0.03
		RMSDI	Too Few
Mean for Comparison	180.497	TS	120
		RMTS	Too Few
		%DEV	0.3
		RM%DEV	Too Few

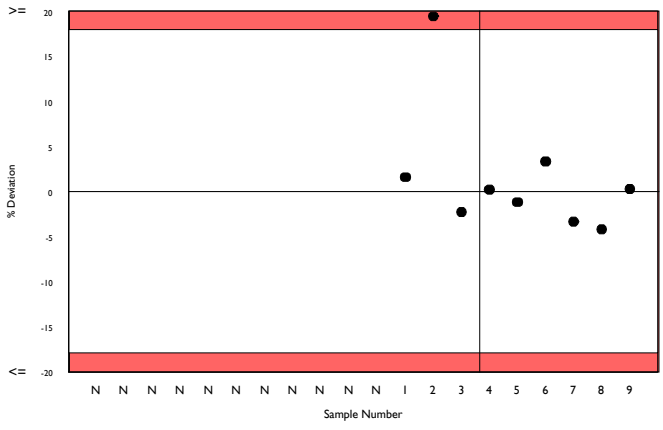
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	17.90%

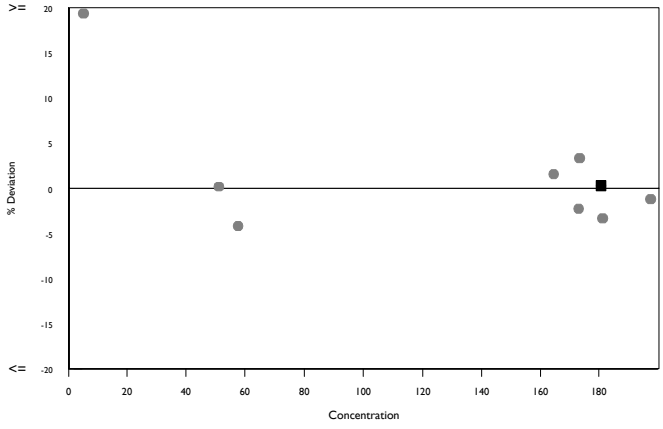


Method	N	Mean	CV%	U_m
Gamma glut'3-carb'4-nitro(IFCC)	3345	180.634	5.3	0.21
Gamma glut.-3-carb.-4-nitro.	950	172.840	7.0	0.49
Ortho Vitros MicroSlide Systems	158	206.942	2.5	0.52
Siemens Dimension	153	212.494	5.5	1.17
Abbott Alinity GGT 2	139	180.368	3.3	0.63
Gamma glutamyl-4-nitroanilide	112	172.154	9.1	1.85
DCL, gamma glut.-3-carb.-4-nitro.	89	178.601	6.0	1.43
Beckman Szasz (Extinction Coeff.)	73	178.660	5.3	1.38
Agappe - SZASZ KINETIC	58	192.466	5.1	1.60
Other Dry Chemistry	52	154.115	6.1	1.63
Abbott Architect GGT 2	51	180.752	3.5	1.12
Randox Colorimetric	6	183.667	4.4	4.15
Vitros, DT60/DT60 II/DTSC II	2	200.995	1.4	2.51









RIQAS

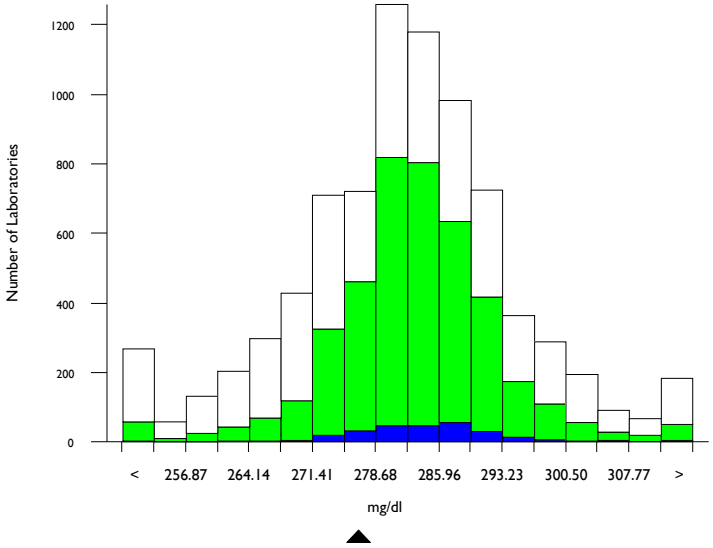
UKAS PROFICIENCY TESTING 0010

Glucose, mg/dl

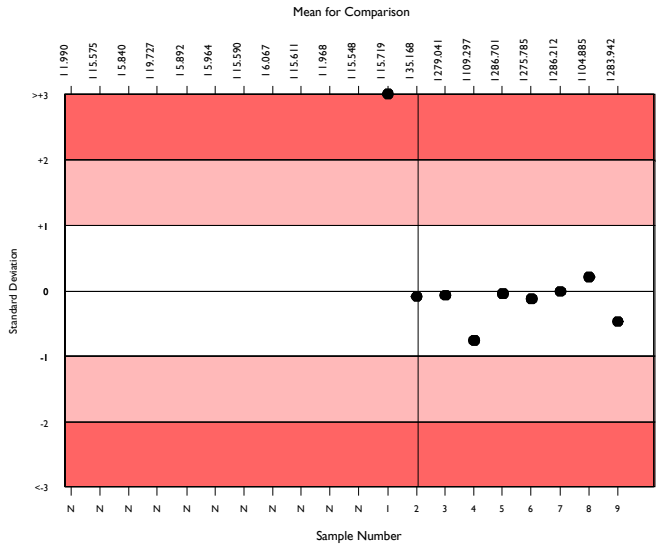
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	7492	282.325	3.4	0.14	14.59	647
Hexokinase	3880	283.412	2.4	0.13	14.64	334
Abbott Architect c systems	251	283.942	2.2	0.50	14.67	22

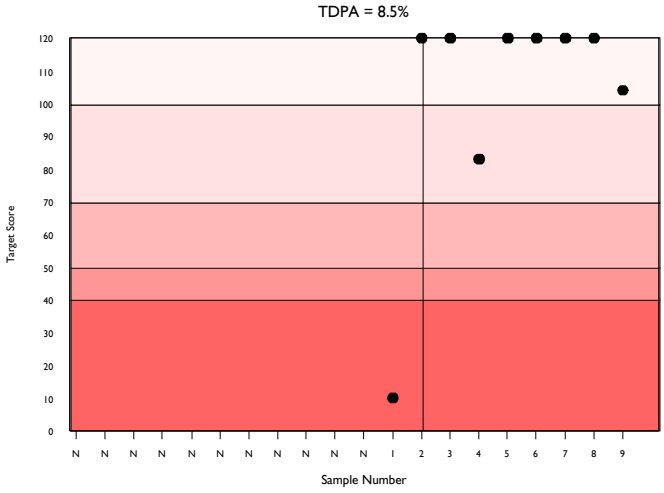
▲ Your Result	277.000	SDI	-0.47
		RMSDI	Too Few
Mean for Comparison	283.942	TS	104
		RMTS	Too Few
		%DEV	-2.4
		RM%DEV	Too Few

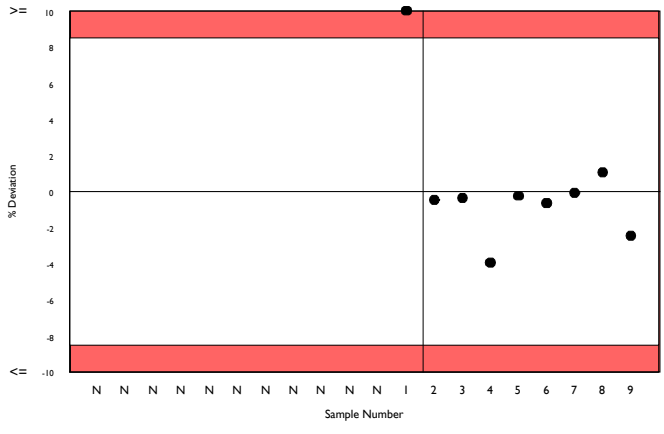
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	8.50%

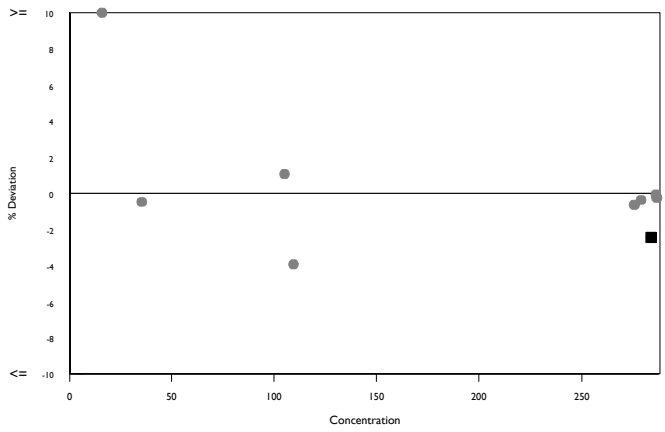


Method	N	Mean	CV%	U_m
Hexokinase	3880	283.412	2.4	0.13
Glucose oxidase	3077	281.973	4.5	0.28
Ortho Vitros MicroSlide Systems	242	268.603	2.2	0.48
Agappe - GOD-PAP	85	288.951	3.1	1.20
Glucose dehydrogenase	78	282.428	4.4	1.76
Other Dry Chemistry	57	270.474	3.2	1.44
GOD/02-Beckman method	40	285.809	3.1	1.74
Oxygen electrode	10	281.046	2.3	2.54
Pyranose Oxidase / Peroxidase	5	299.200	2.8	4.68









RIQAS

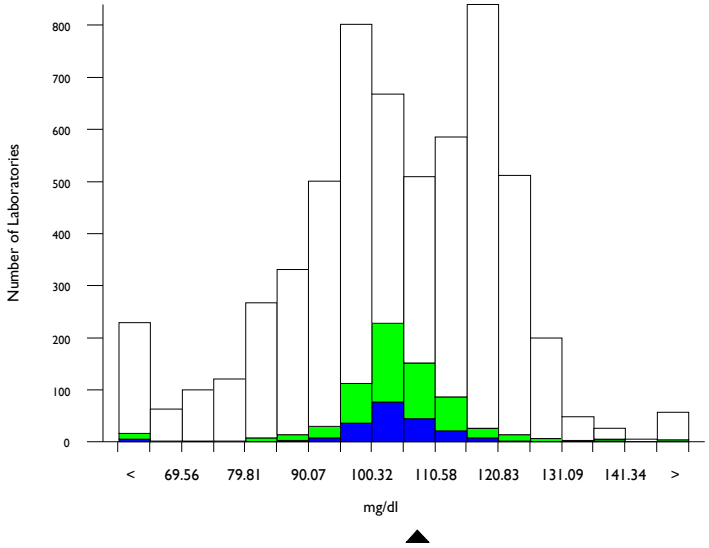
UKAS PROFICIENCY TESTING 0010

HDL-Cholesterol, mg/dl

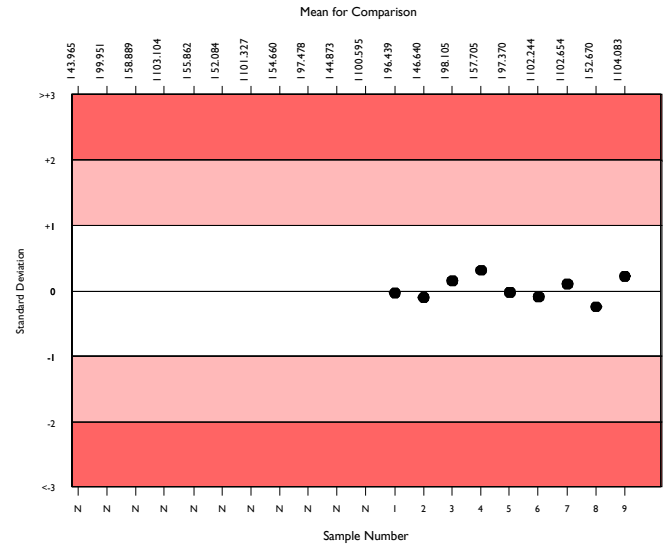
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	5435	105.455	13.0	0.23	13.53	442
HDL Ultra/Accel Selective Detergent	639	104.579	5.8	0.30	13.41	70
Abbott Architect c systems	187	104.083	4.7	0.45	13.35	20

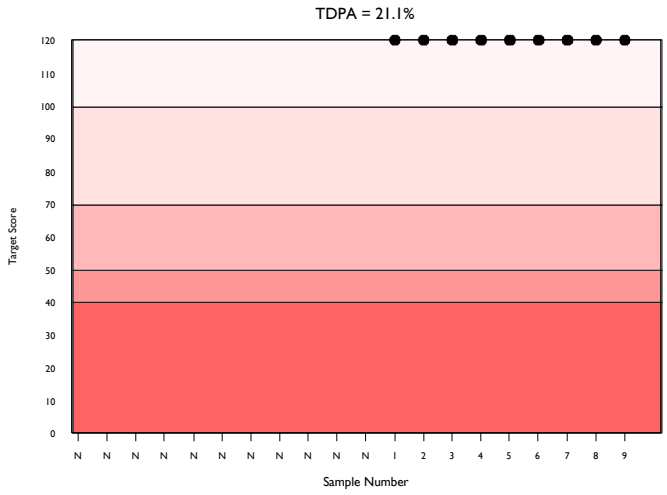
Your Result	107.000	SDI	0.22
		RMSDI	Too Few
Mean for Comparison	104.083	TS	120
		RMTS	Too Few
		%DEV	2.8
		RM%DEV	Too Few

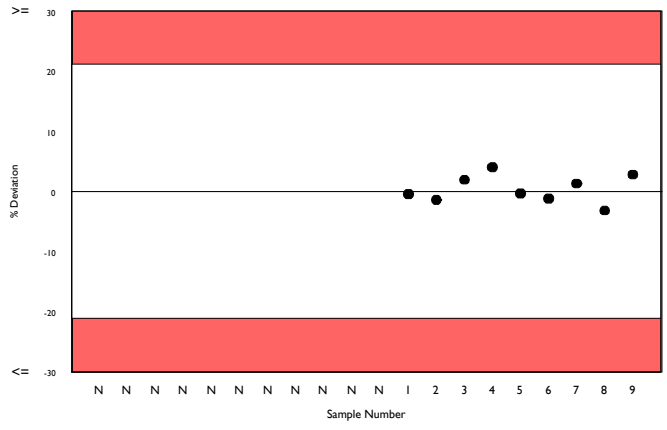
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	21.10%

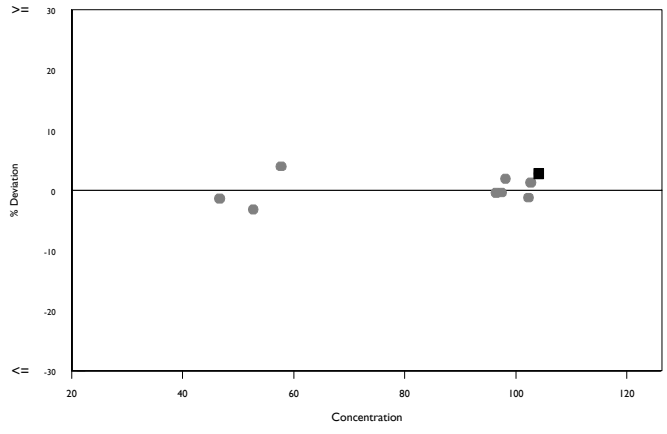


Method	N	Mean	CV%	U_m
Direct HDL, Roche 4th gen.	1399	119.140	4.2	0.17
Direct HDL, Clearance method	1084	95.050	14.8	0.53
Direct HDL, Immunoseparation	924	96.117	9.0	0.35
HDL Ultra/Accel Selective Detergent	639	104.579	5.8	0.30
Direct HDL, PEGME	536	102.155	18.1	1.00
Direct HDL, PPD	402	104.480	10.8	0.70
Vitros dHDL, PTA/MgCl2 direct precip.	165	98.455	5.6	0.53
Agappe - SELECTIVE INHIBITION	68	116.718	5.8	1.03
Other Dry Chemistry	54	103.095	7.0	1.23
Vitros, Magnetic HDL	24	97.543	5.3	1.32
Vitros 5.1 FS Microtip assay	13	96.865	9.4	3.14









RIQAS

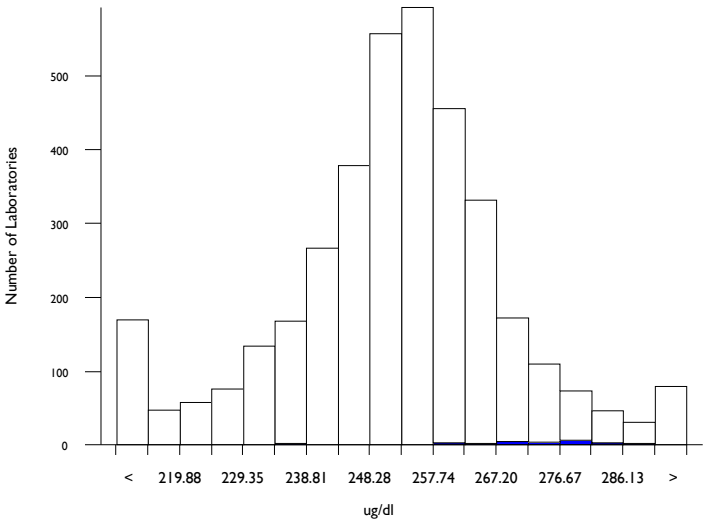
UKAS PROFICIENCY TESTING 0010

Iron, ug/dl

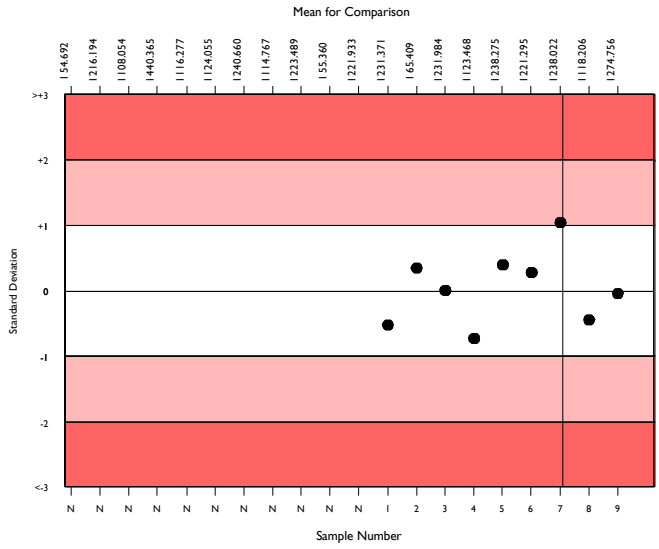
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	3423	253.013	5.0	0.27	15.38	317
Abbott Architect Iron 2	25	274.756	3.0	2.06	16.70	2
Abbott Architect c systems	25	274.756	3.0	2.06	16.70	2

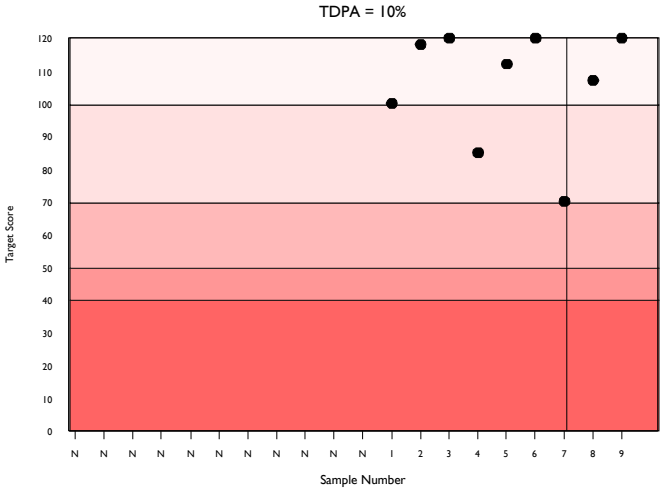
Your Result	274.000	SDI	-0.05
		RMSDI	Too Few
Mean for Comparison	274.756	TS	120
		RMTS	Too Few
		%DEV	-0.3
		RM%DEV	Too Few

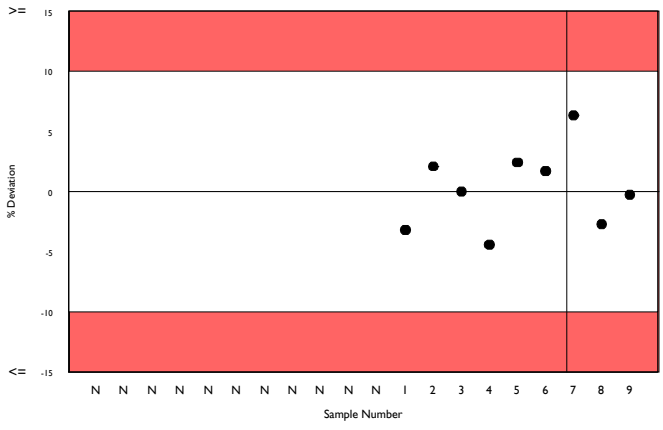
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	10.00%

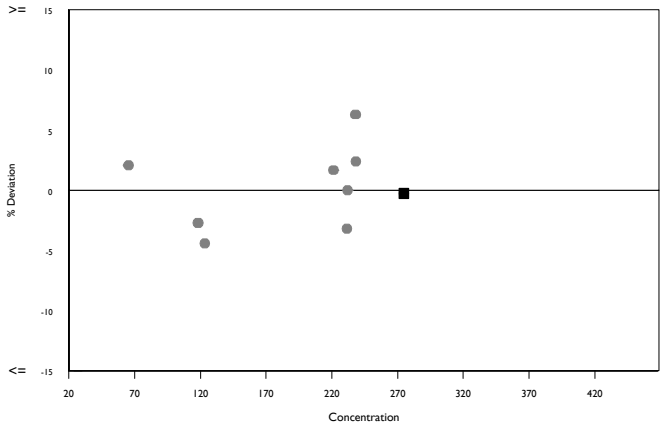


Method	N	Mean	CV%	U_m
Colorimetric without ppt.	2677	253.235	4.5	0.28
Colorimetric with ppt.	409	251.473	5.8	0.90
Ortho Vitros MicroSlide Systems	161	242.446	5.8	1.39
Abbott Alinity Iron 2	62	267.381	2.2	0.94
Other method with blank	28	247.342	5.2	3.01
Abbott Architect Iron 2	25	274.756	3.0	2.06
Agappe - CHROMAZUROL	19	284.228	1.7	1.38
Optical Emission Spectroscopy	13	257.303	10.8	9.62
Other method without blank	12	249.170	4.5	4.09
Other Dry Chemistry	10	233.996	9.8	9.07
Vitros DT60/DT60 II/DTSC II	2	246.034	4.6	9.96









RIQAS

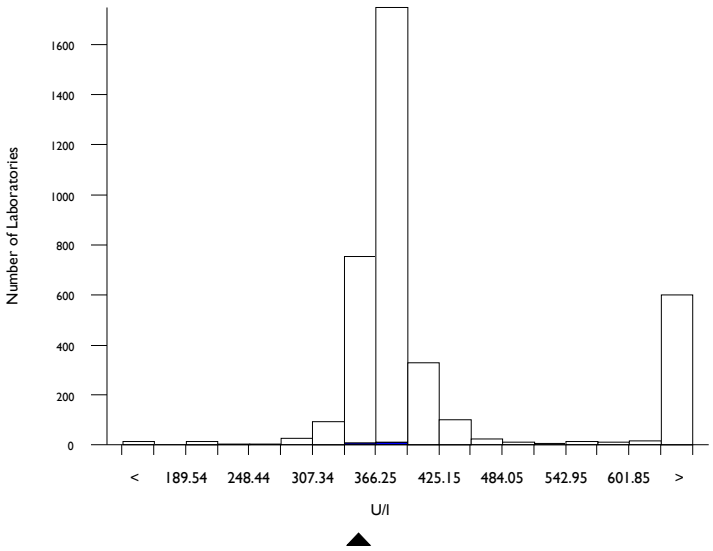
UKAS PROFICIENCY TESTING 0010

LD (LDH), U/l @ 37°C

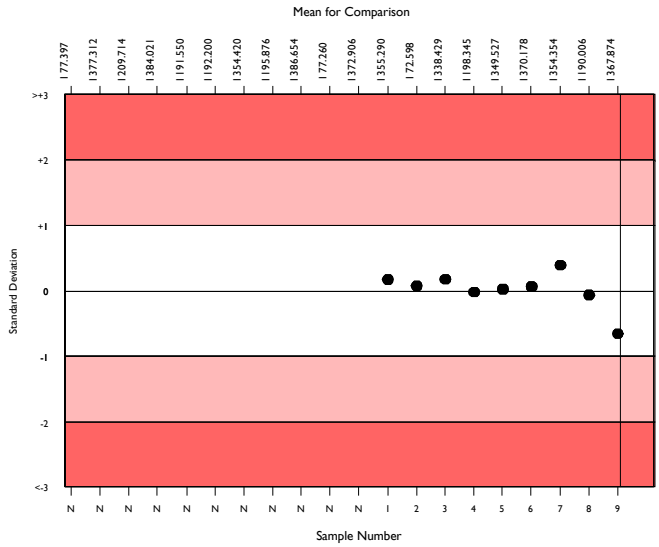
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	3326	395.701	19.8	1.70	30.79	440
Abbott Architect LD 2	19	367.874	3.5	3.73	28.63	4
Abbott Architect c systems	19	367.874	3.5	3.73	28.63	4

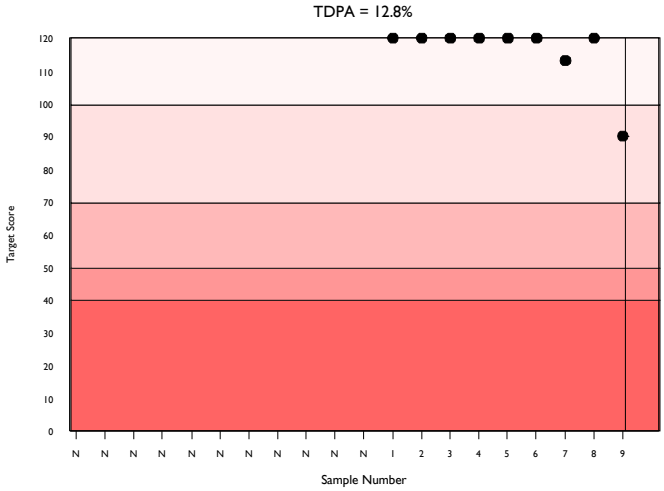
Your Result	349.000	SDI	-0.66
		RMSDI	Too Few
Mean for Comparison	367.874	TS	90
		RMTS	Too Few
		%DEV	-5.1
		RM%DEV	Too Few

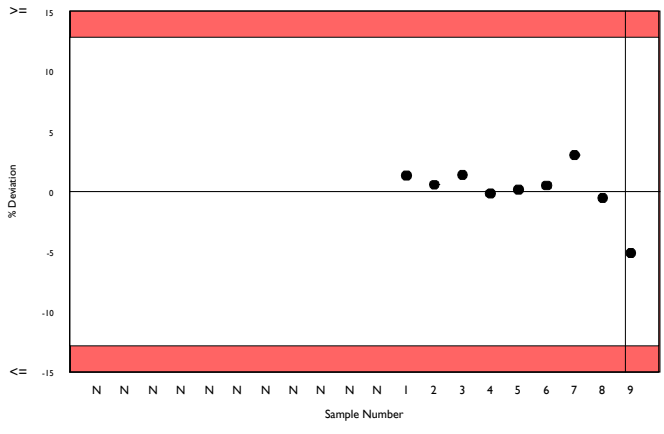
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	12.80%

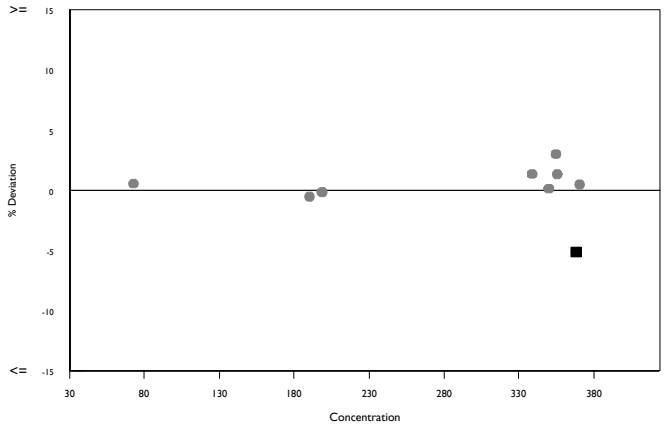


Method	N	Mean	CV%	U_m
L to P, IFCC	2133	375.408	3.5	0.36
P to L, German methods	316	729.451	8.6	4.42
Lactate to Pyruvate methods	219	376.742	4.9	1.55
L to P Beckman (Extinction Coeff)	133	356.507	6.1	2.38
P to L, SFBC / SEQC	111	730.483	7.5	6.47
Ortho Vitros IFCC Traceable	104	426.114	3.9	2.03
P to L, Scandinavian & Dutch	93	753.356	10.1	9.90
Abbott Alinity LD 2	63	368.038	3.0	1.74
L to P Siemens/Dade, Non-IFCC	62	362.377	5.3	3.03
Ortho Vitros MicroSlide Systems	54	424.871	4.0	2.88
Agappe - SCE	33	791.424	3.5	6.02
Other Dry Chemistry	29	388.069	3.0	2.71
Abbott Architect LD 2	19	367.874	3.5	3.73
Pyruvate 1.4 mM - Beckman LD-P	9	356.511	11.1	16.52









RIQAS

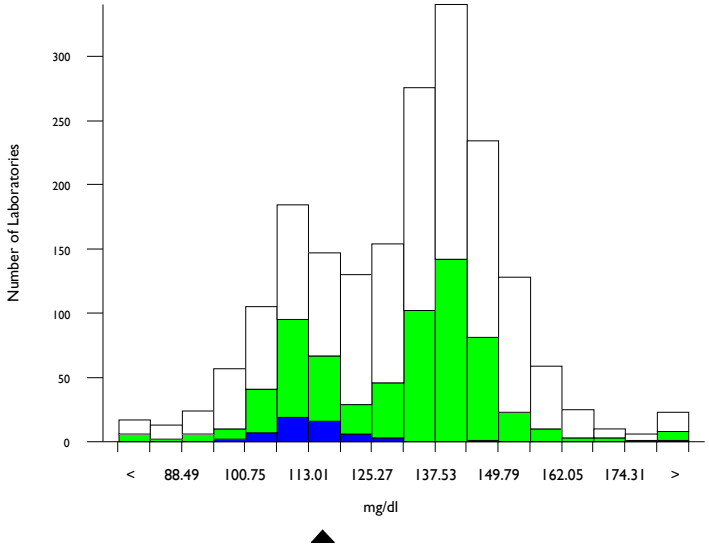
UKAS PROFICIENCY TESTING 0010

LDL-Cholesterol, mg/dl

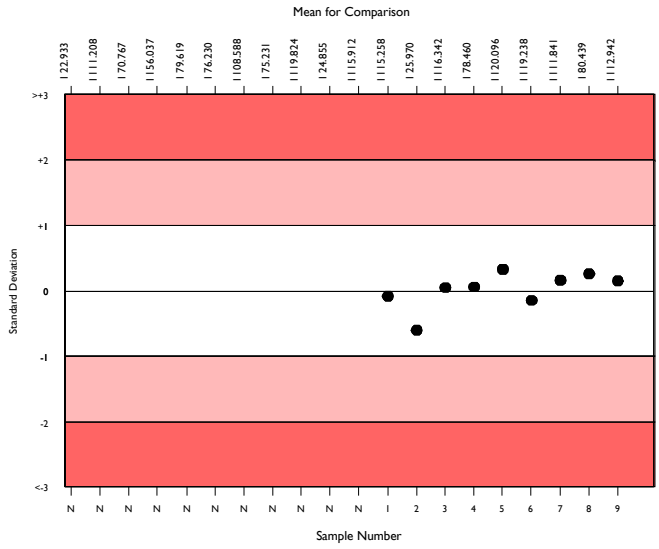
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	1837	131.402	12.4	0.47	16.45	96
Selective detergent methods	644	129.327	11.7	0.74	16.20	31
Abbott Architect c systems	50	112.942	5.4	1.08	14.14	5

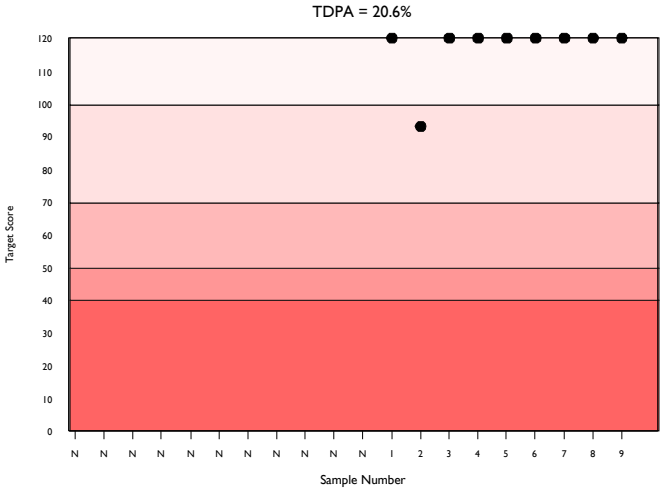
Your Result	115.000	SDI	0.15
		RMSDI	Too Few
Mean for Comparison	112.942	TS	120
		RMTS	Too Few
		%DEV	1.8
		RM%DEV	Too Few

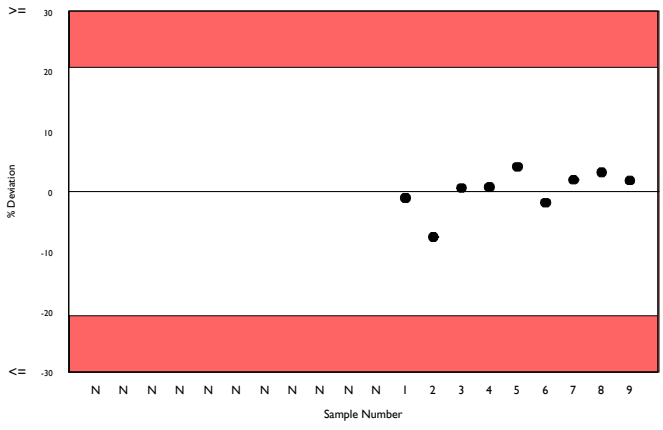
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	20.60%

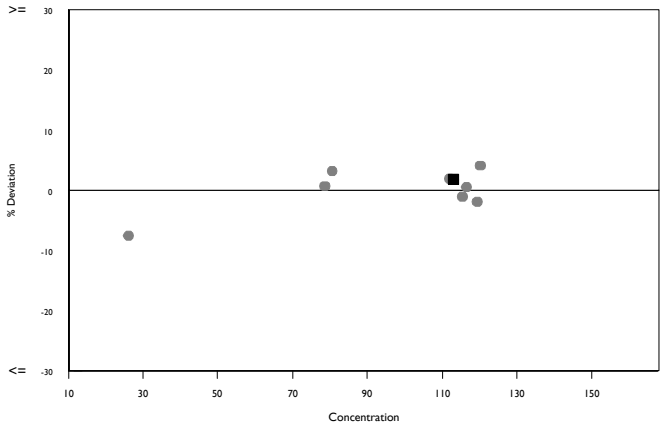


Method	N	Mean	CV%	U_m
Other direct methods	642	132.675	10.9	0.71
Selective detergent methods	644	129.327	11.7	0.74
Sel.detergent Beckman OSR6x83	214	145.763	6.1	0.76
Calculated	159	123.710	13.3	1.63
Sel.detergent Beckman OSR6x96	37	111.826	16.3	3.74
Ortho Vitros MicroSlide Systems	29	104.010	4.8	1.15
Agappe - SELECTIVE SOLUBILISATION	24	144.157	7.8	2.86
Other Precipitation methods	19	126.692	11.6	4.23
Polyvinyl Sulphate Precipitation	18	136.622	14.0	5.63
Other Dry Chemistry	14	134.881	27.1	12.20
Siemens Atellica LDLC	9	108.188	3.1	1.39
Heparin precipitation	8	132.390	16.6	9.72









RIQAS

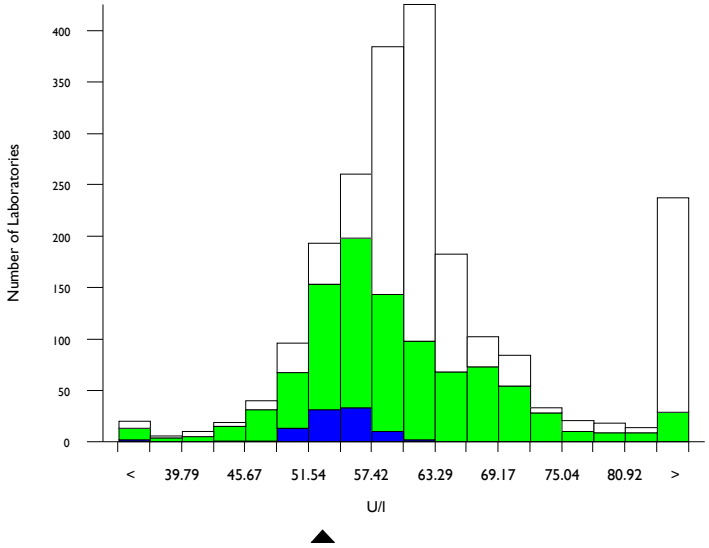
UKAS PROFICIENCY TESTING 0010

Lipase, U/l @ 37°C

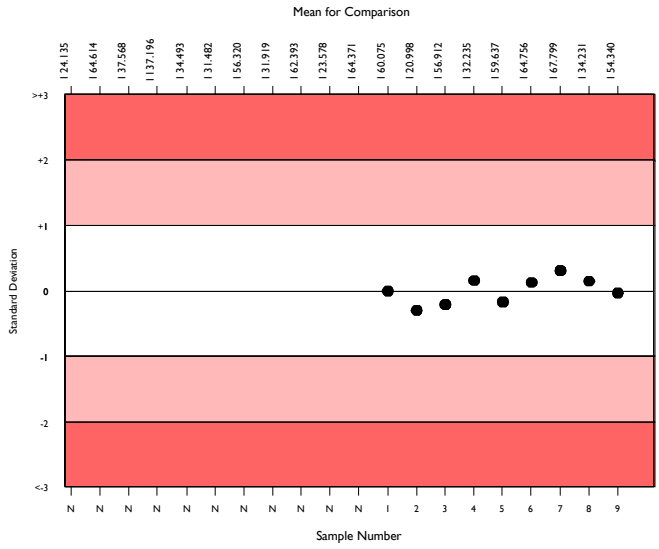
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	1920	60.360	13.0	0.22	9.43	228
Other Colorimetric	927	58.765	11.6	0.28	9.18	80
Abbott Architect c systems	85	54.340	4.5	0.33	8.49	8

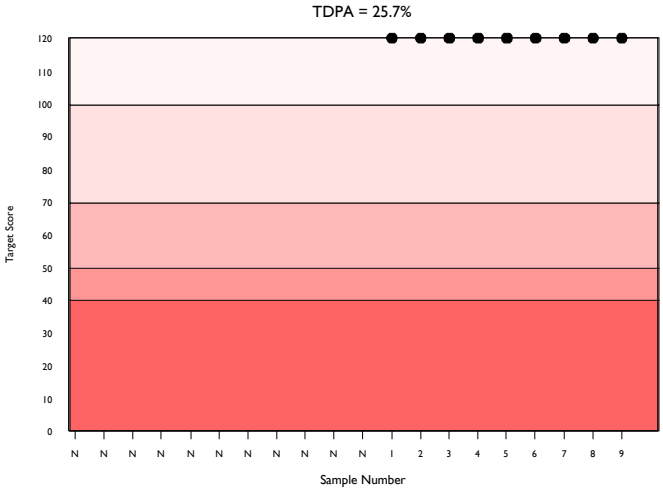
▲ Your Result	54.000	SDI	-0.04
		RMSDI	Too Few
Mean for Comparison	54.340	TS	120
		RMTS	Too Few
		%DEV	-0.6
		RM%DEV	Too Few

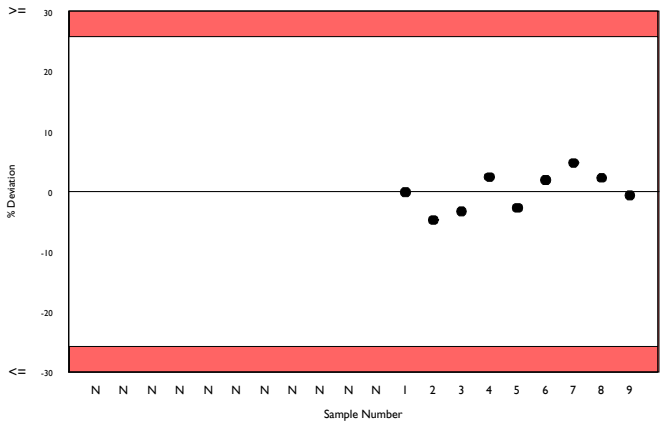
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	25.70%

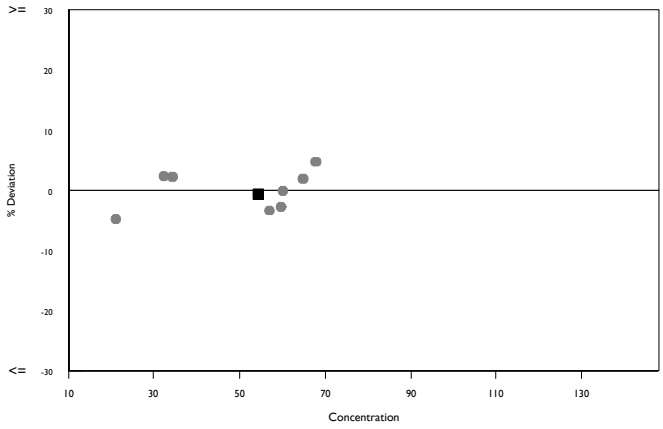


Method	N	Mean	CV%	U_m
Other Colorimetric	927	58.765	11.6	0.28
Colorimetric Roche ACN(8)731/ID 0-100	373	60.587	4.1	0.16
Colorimetric Roche ACN(8)789/ID 0-052	256	61.042	3.7	0.18
Ortho Vitros MicroSlide Systems	121	588.569	8.5	5.67
Roche Turbidimetric with colipase	55	60.879	4.7	0.49
Colorimetric Randox	53	78.729	18.1	2.45
Agappe - METHYL RESORUFIN	38	63.847	10.7	1.39
Colorimetric Dimension (LIP Kit)	34	62.365	6.7	0.90
Colorimetric Dimension (LIPL Kit)	32	208.105	15.4	7.08
Other Turbidimetric with colipase	21	56.088	11.8	1.81
Other Dry Chemistry	9	74.686	21.8	6.79
Turbidimetric without colipase	9	58.056	21.3	5.15
Randox Turbidimetric with colipase	4	67.838	25.4	10.77
Colorimetric Sigma	2	65.000	13.1	7.50









RIQAS

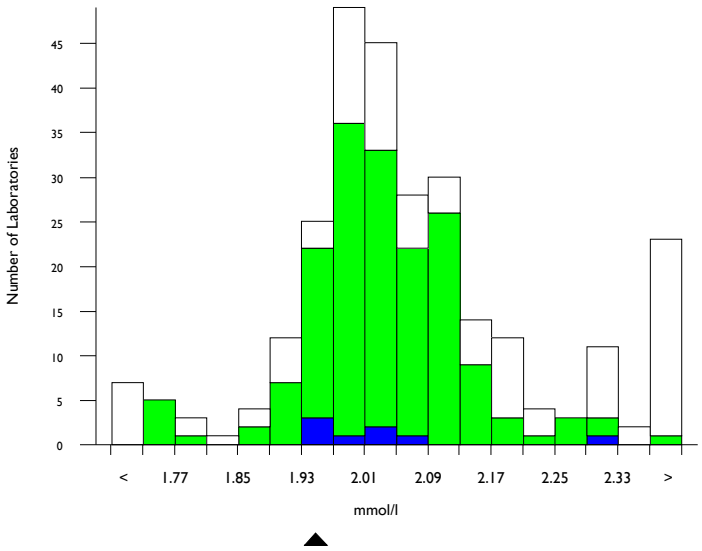
UKAS PROFICIENCY TESTING 0010

Lithium, mmol/l

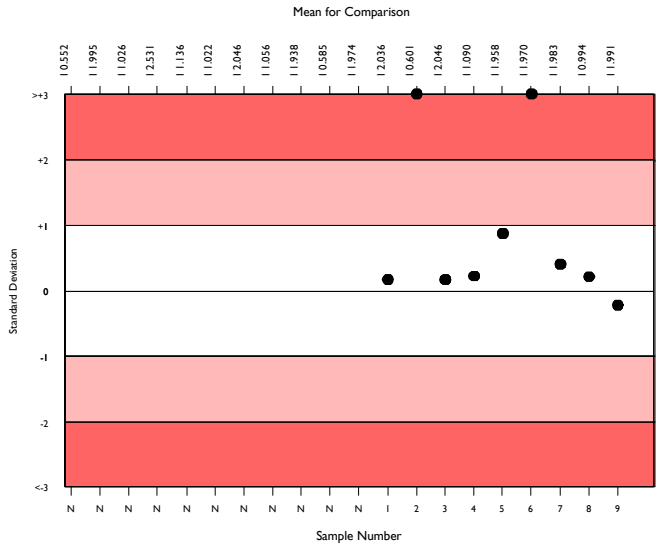
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	243	2.056	5.1	0.01	0.15	35
Spectrophotometric	159	2.033	3.3	0.01	0.14	15
Abbott Architect c systems	7	1.991	2.1	0.02	0.14	1

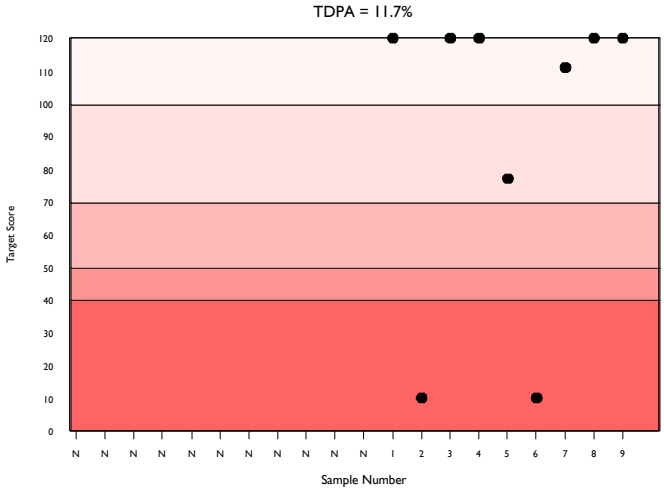
Your Result	1.960	SDI	-0.22
		RMSDI	Too Few
Mean for Comparison	1.991	TS	120
		RMTS	Too Few
		%DEV	-1.6
		RM%DEV	Too Few

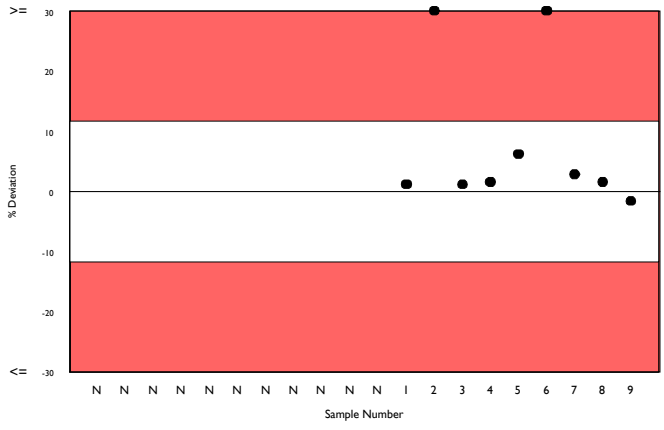
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	11.70%

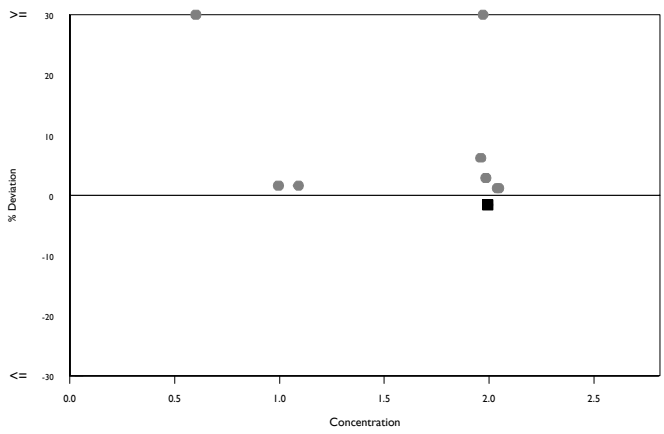


Method	N	Mean	CV%	U_m
Spectrophotometric	159	2.033	3.3	0.01
Ion selective electrode	47	2.072	5.9	0.02
Ortho Vitros MicroSlide Systems	24	2.401	5.2	0.03
Flame photometry	12	2.021	7.5	0.06
Atomic absorption	6	2.153	9.3	0.10
Other Dry Chemistry	3	2.106	5.1	0.08









RIQAS

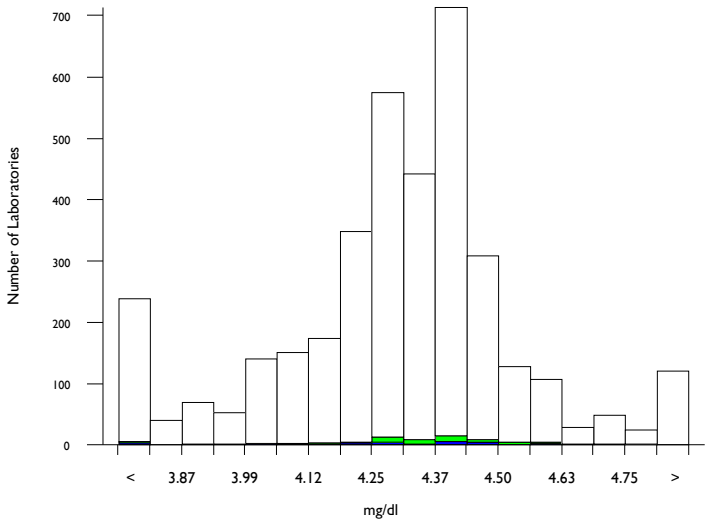
UKAS PROFICIENCY TESTING 0010

Magnesium, mg/dl

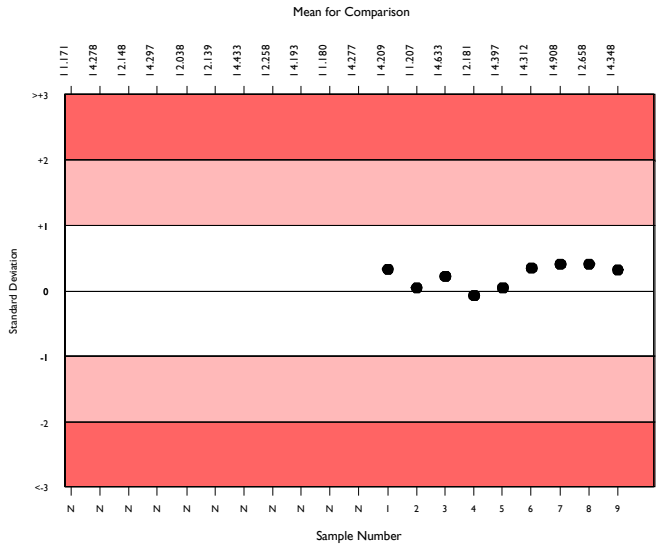
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	3315	4.316	3.9	0.00	0.29	389
Arsenazo	65	4.370	3.0	0.02	0.29	12
Abbott Architect c systems	25	4.348	3.2	0.03	0.29	6

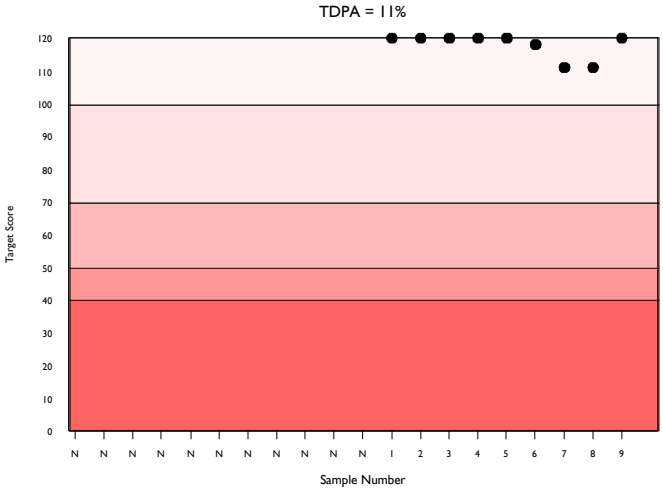
▲ Your Result	4.440	SDI	0.32
		RMSDI	Too Few
Mean for Comparison	4.348	TS	120
		RMTS	Too Few
		%DEV	2.1
		RM%DEV	Too Few

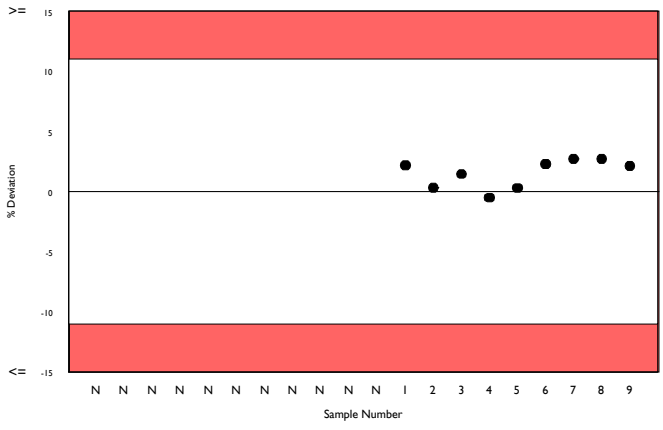
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	11.00%

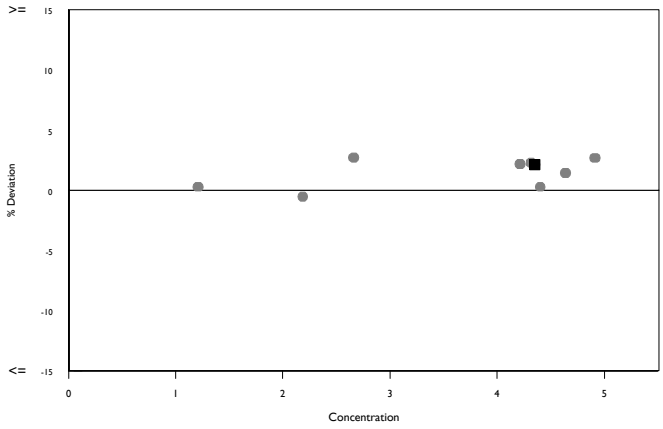


Method	N	Mean	CV%	U_m
Xylidyl Blue	1905	4.305	4.1	0.00
Enzymatic	389	4.335	3.0	0.01
Chlorphosphonazo III	304	4.342	2.8	0.01
Methylthymol blue	204	4.321	3.1	0.01
Ortho Vitros MicroSlide Systems	179	4.381	2.7	0.01
Calmagite	135	4.120	6.2	0.03
Arsenazo	65	4.370	3.0	0.02
Atomic absorption	60	4.340	2.8	0.02
Agappe - XYLIDYL BLUE	27	3.959	2.0	0.02
Other Dry Chemistry	28	4.872	5.4	0.06
Other magnesium dyes	13	4.422	8.6	0.13
Vitros, DT60/DT60 II/DTSC II	2	4.465	2.7	0.11









RIQAS

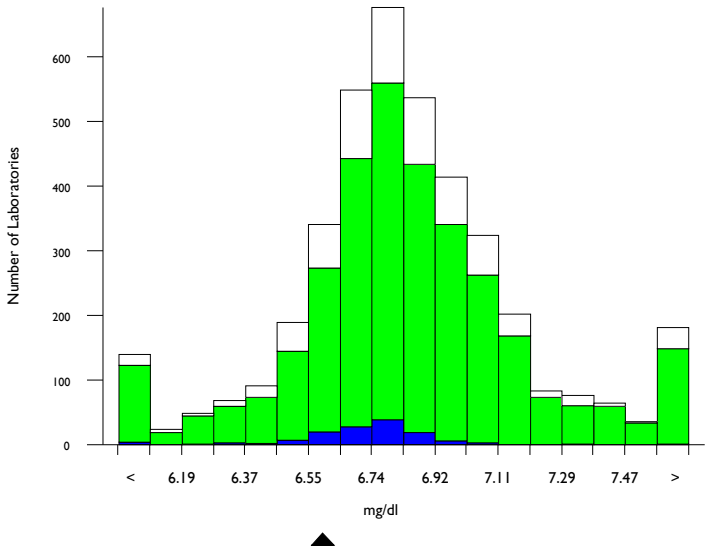
UKAS PROFICIENCY TESTING 0010

Phosphate, Inorganic, mg/dl

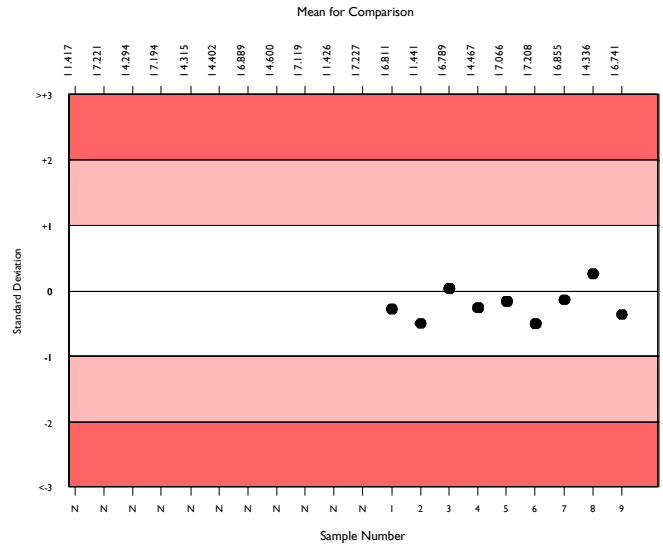
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	3695	6.835	3.6	0.00	0.39	356
Phosphomolybdate UV	3029	6.838	3.6	0.01	0.39	302
Abbott Architect c systems	120	6.741	1.8	0.01	0.39	14

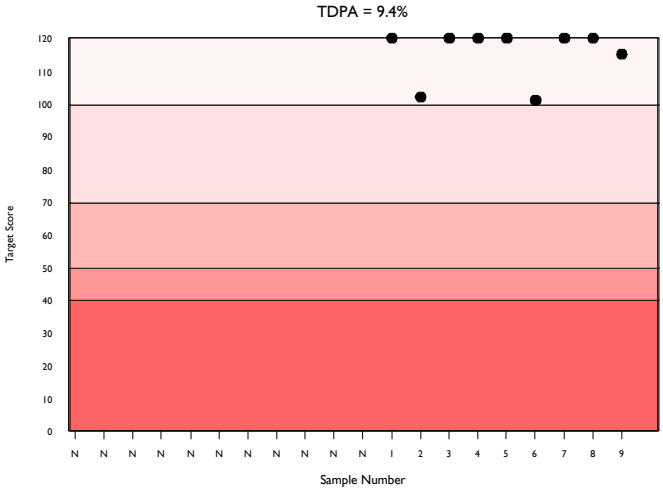
▲ Your Result	6.600	SDI	-0.37
		RMSDI	Too Few
Mean for Comparison	6.741	TS	115
		RMTS	Too Few
		%DEV	-2.1
		RM%DEV	Too Few

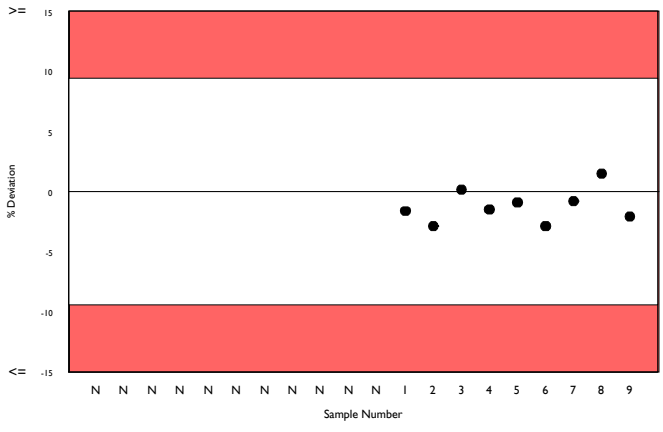
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	9.40%

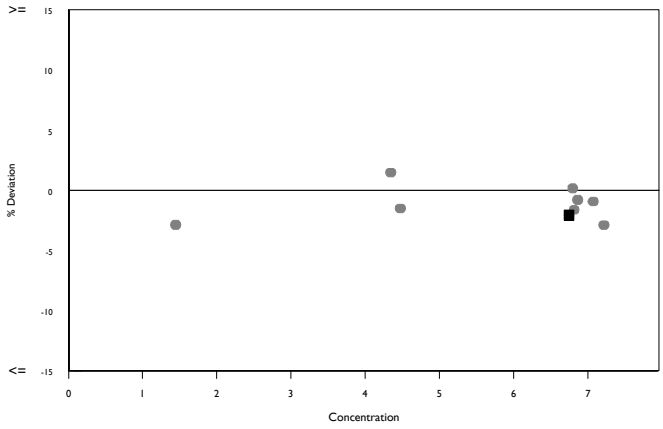


Method	N	Mean	CV%	U_m
Phosphomolybdate UV	3029	6.838	3.6	0.01
Phosphomolybdate enzymatic	319	6.805	3.1	0.01
Ortho Vitros MicroSlide Systems	191	6.788	2.8	0.02
Beckman PHOSm kit (365nm)	58	6.825	2.6	0.03
Agappe - PHOSPOHMOLYBDATE	41	7.003	2.1	0.03
Other Dry Chemistry	25	7.057	4.5	0.08
Other methods, no protein ppt	8	7.089	5.6	0.17
Other methods, with protein ppt	3	6.930	3.0	0.15
Vitros, DT60/DT60 II/DTSC II	2	6.766	1.0	0.06









RIQAS

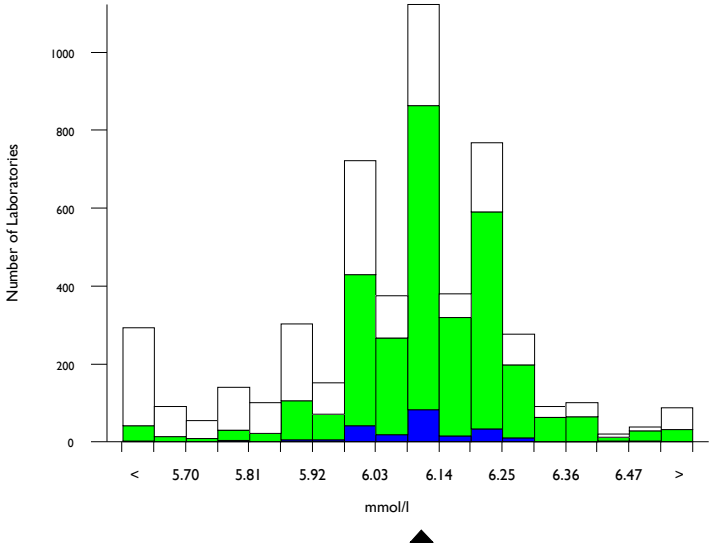
UKAS PROFICIENCY TESTING 0010

Potassium, mmol/l

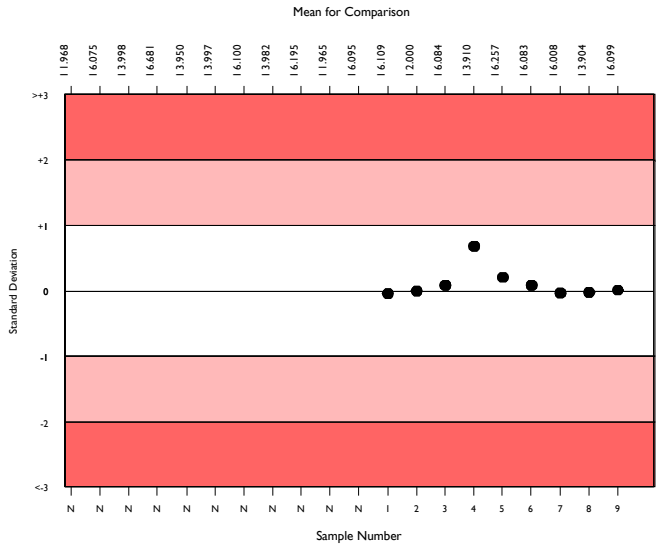
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	4692	6.087	2.4	0.00	0.21	425
ISE method - indirect	2944	6.124	1.7	0.00	0.21	216
Abbott Architect c systems	197	6.099	1.2	0.01	0.21	24

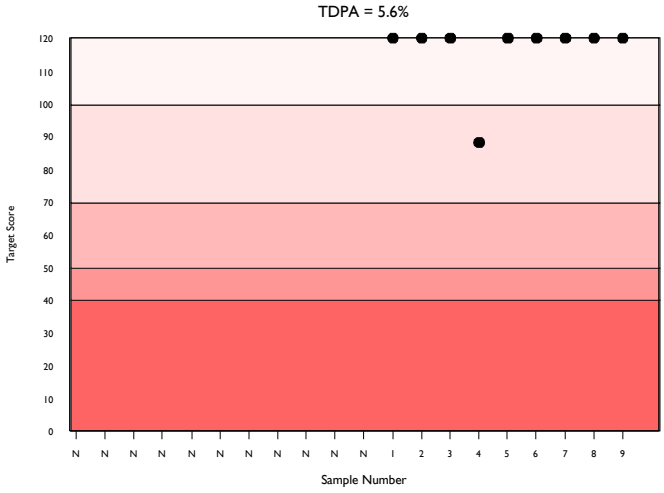
Your Result	6.100	SDI	0.01
		RMSDI	Too Few
Mean for Comparison	6.099	TS	120
		RMTS	Too Few
		%DEV	0.0
		RM%DEV	Too Few

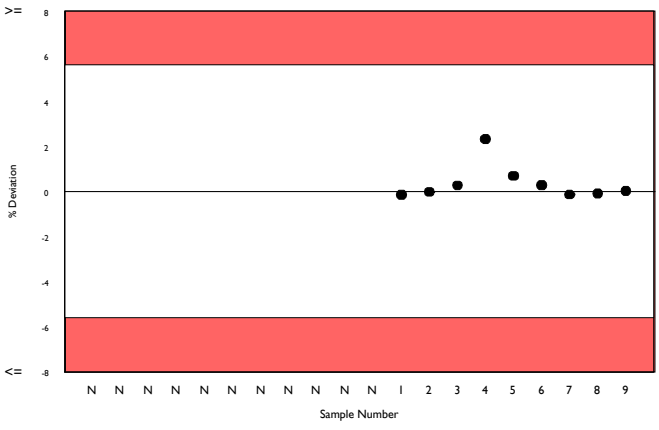
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	5.60%

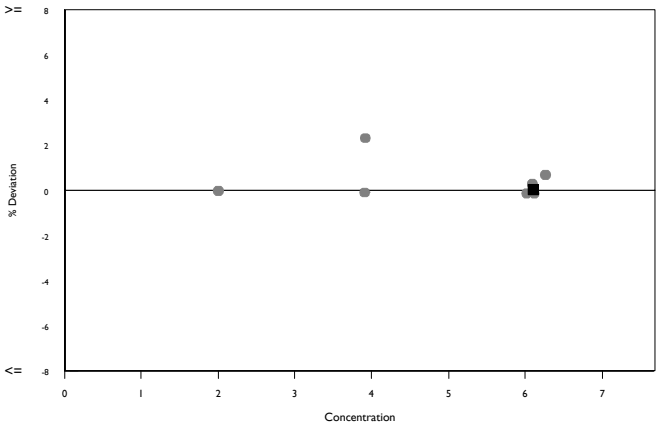


Method	N	Mean	CV%	U_m
ISE method - indirect	2944	6.124	1.7	0.00
ISE method - direct	1451	5.984	3.6	0.01
Ortho Vitros MicroSlide Systems	181	6.037	1.8	0.01
Colorimetric	53	5.675	5.0	0.05
Other Dry Chemistry	44	6.089	1.9	0.02
Agappe - ISE DIRECT	20	6.061	1.2	0.02
Enzymatic	19	5.997	3.2	0.05
Flame photometry	11	5.714	6.8	0.15
Turbidimetric	7	5.574	11.8	0.31
Optical Fluorescence	4	6.163	1.3	0.05
Vitros, DT60/DT60 II/DTE II	3	6.067	1.0	0.04









RIQAS

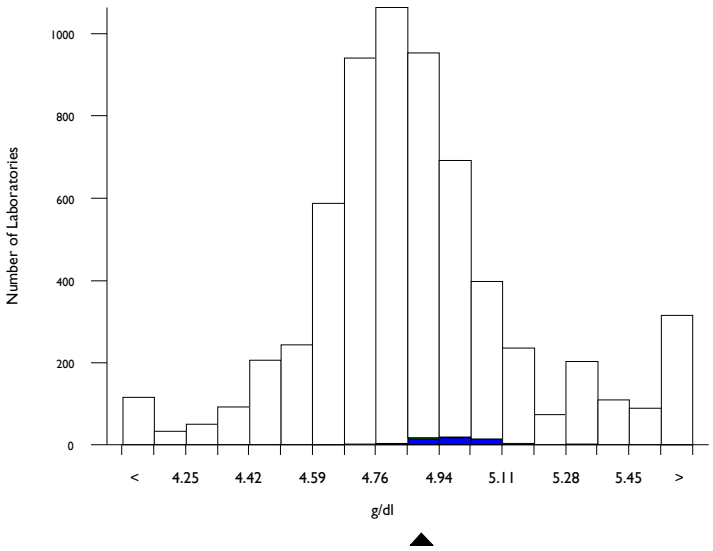
UKAS PROFICIENCY TESTING 0010

Protein, Total, g/dl

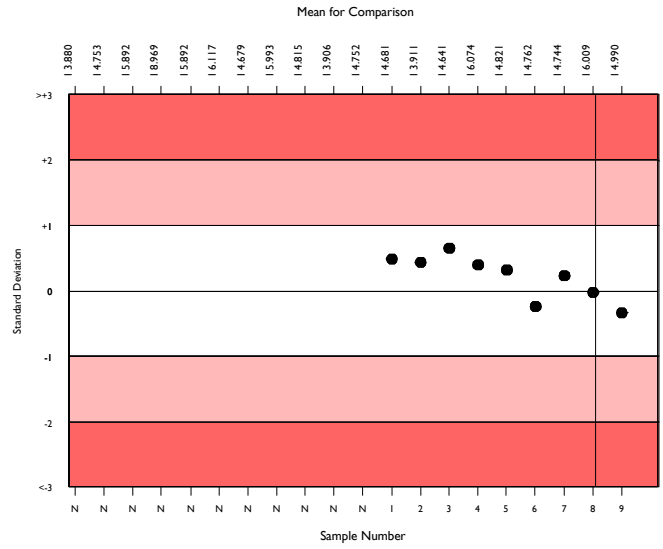
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	5914	4.855	4.7	0.00	0.26	483
Abbott Architect total Protein 2	57	4.987	1.9	0.02	0.26	6
Abbott Architect c systems	54	4.990	1.9	0.02	0.26	6

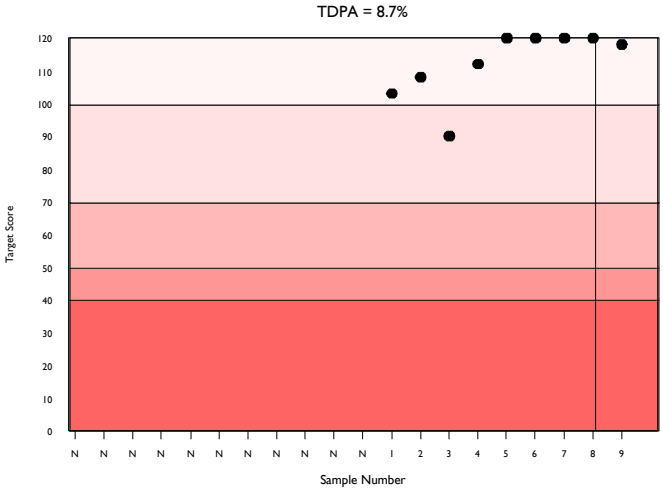
Your Result	4.900	SDI	-0.34
		RMSDI	Too Few
Mean for Comparison	4.990	TS	118
		RMTS	Too Few
		%DEV	-1.8
		RM%DEV	Too Few

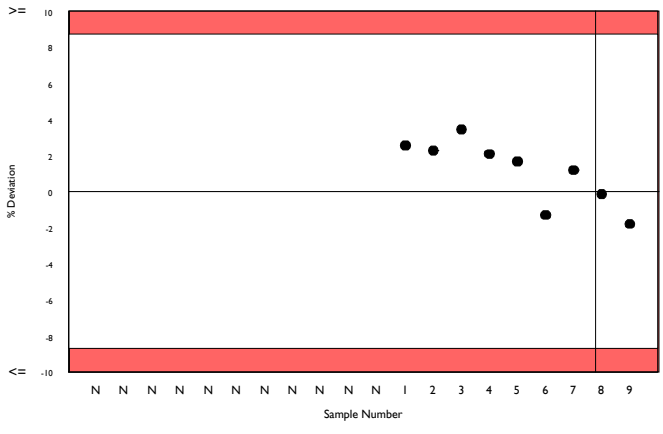
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	8.70%

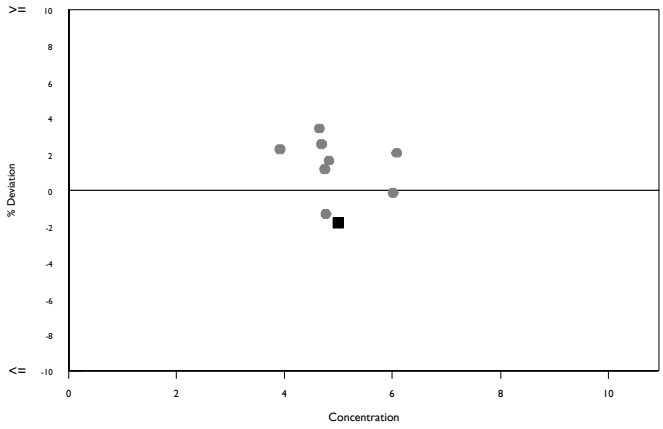


Method	N	Mean	CV%	U_m
Biuret reaction, end point	5124	4.843	4.8	0.00
Ortho Vitros MicroSlide Systems	215	4.970	2.8	0.01
Biuret reaction, kinetic	179	4.777	3.6	0.02
Abbott Alinity Total Protein 2	135	4.946	1.5	0.01
Agappe - BIURET	70	5.290	5.2	0.04
Abbott Architect total Protein 2	57	4.987	1.9	0.02
Other Dry Chemistry	57	5.021	3.9	0.03
Biuret reaction, CX4/5/7	47	4.711	3.5	0.03
Refractometry	3	4.870	4.1	0.14
Vitros, DT60/DT60 II	2	4.870	4.9	0.21









RIQAS

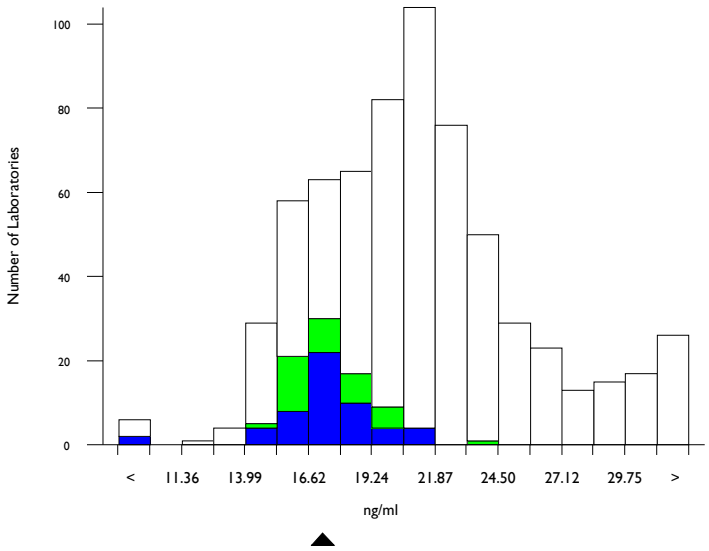
UKAS PROFICIENCY TESTING 0010

PSA, Total, ng/ml

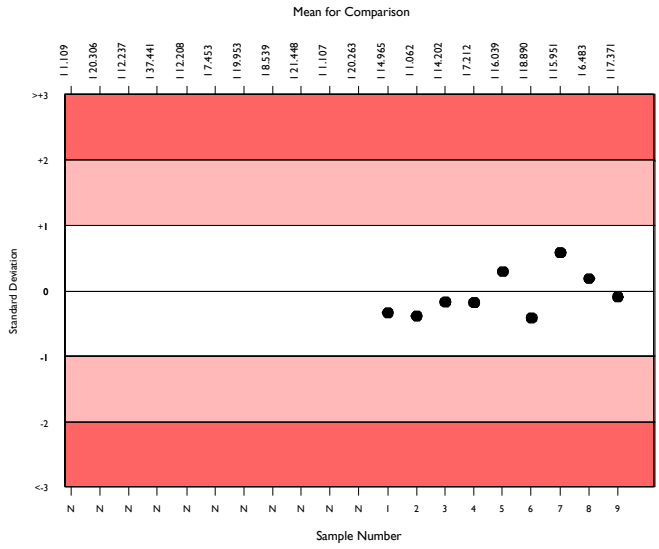
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	612	20.562	17.0	0.18	3.10	49
Abbott Architect/ Alinity	81	17.277	7.9	0.19	2.60	8
Abbott Architect i Systems	49	17.371	8.1	0.25	2.62	5

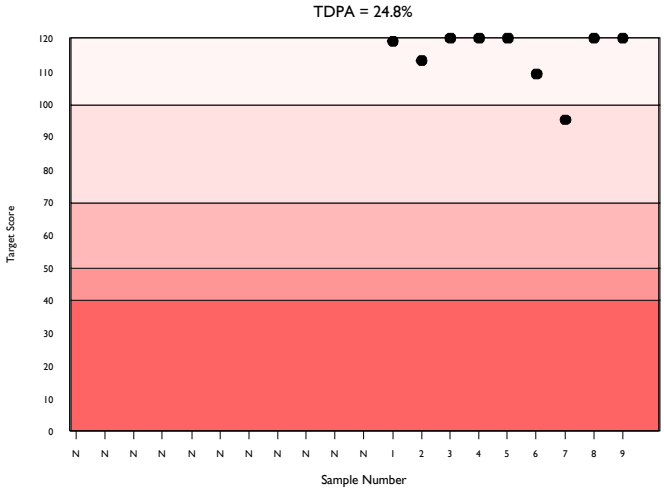
Your Result	17.110	SDI	-0.10
		RMSDI	Too Few
Mean for Comparison	17.371	TS	120
		RMTS	Too Few
		%DEV	-1.5
		RM%DEV	Too Few

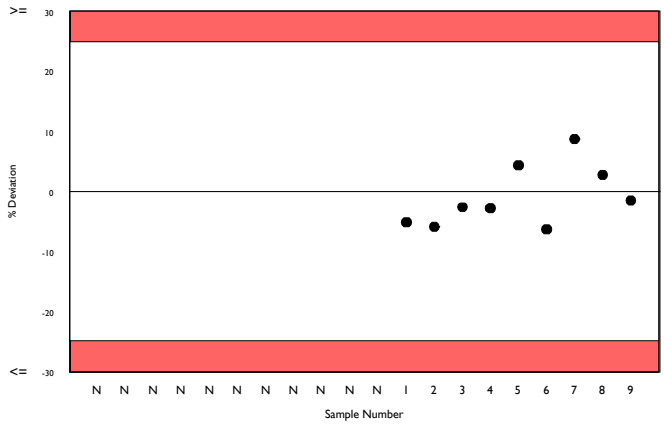
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	24.80%

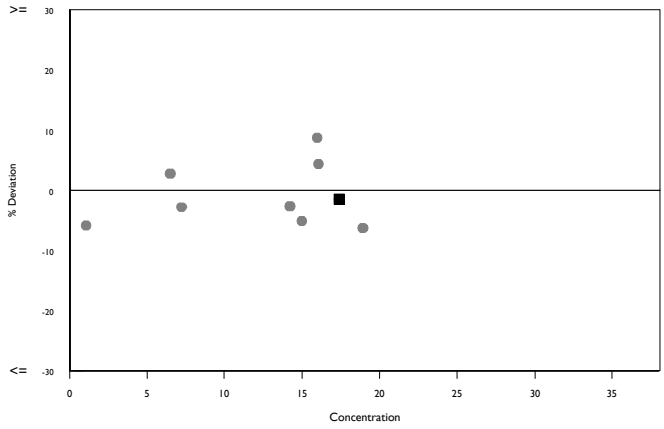


Method	N	Mean	CV%	U_m
Roche Cobas 4000/e411	90	22.115	8.1	0.24
Abbott Architect/ Alinity	81	17.277	7.9	0.19
SNIBE Maglumi analysers	50	16.609	7.2	0.21
Roche Cobas e601/602	50	21.362	5.7	0.22
Monobind Inc ELISA	45	28.602	10.7	0.57
bioMerieux, VIDAS TPSA	42	19.939	8.0	0.31
ELISA	35	28.172	13.2	0.78
Beckman Access standardised to Hybritech	36	23.385	6.9	0.33
Roche Cobas e402/e801	19	20.995	4.7	0.29
Tosoh AIA Series	16	15.084	5.1	0.24
Siemens Dimension	17	19.640	5.0	0.30
Ortho Vitros 3600/5600/ECi	14	20.839	4.9	0.34
Mindray CL-Series	12	25.849	3.9	0.37
Siemens Immulite 2000/2500, Total PSA	11	18.945	13.9	0.99
Siemens Centaur CP	10	18.892	9.1	0.68
Beckman DXI standardised to Hybritech	10	23.294	6.3	0.58
Siemens Centaur XP/XPT	8	19.615	6.6	0.57
Ortho Vitros 3600/5600/ECi PSA II	8	21.843	5.8	0.56
Siemens Atellica IM	7	20.110	3.4	0.32
Roche Elecsys Modular E170	5	23.132	18.3	2.36
Siemens Immulite 1000, Total PSA	4	17.373	18.8	2.04









RIQAS

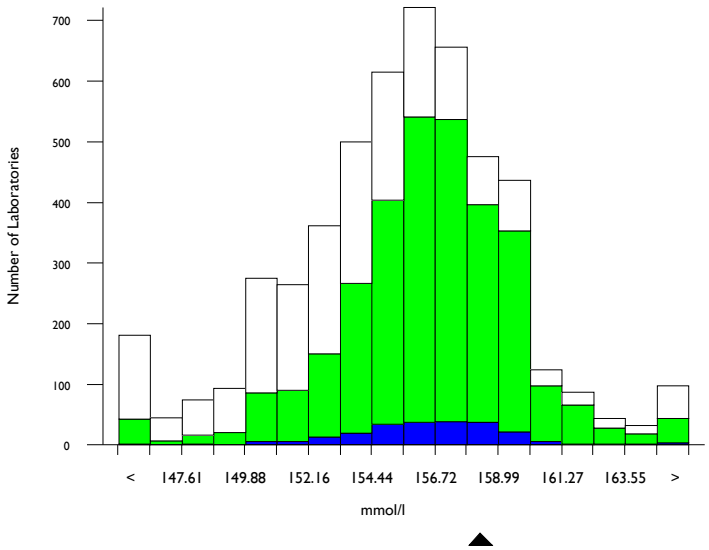
UKAS PROFICIENCY TESTING 0010

Sodium, mmol/l

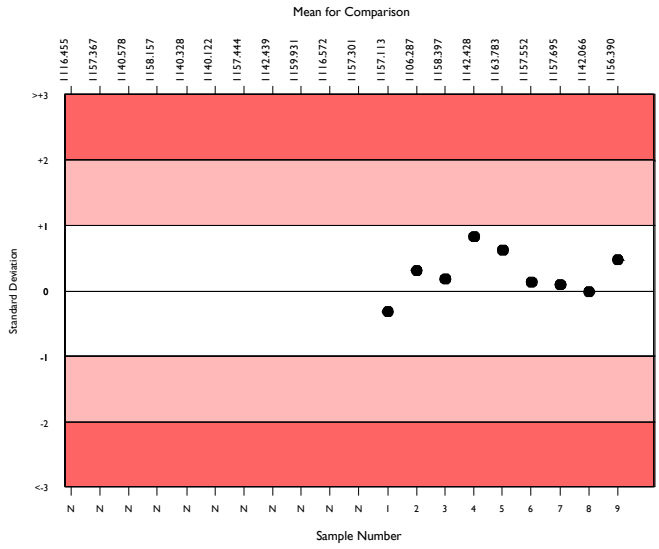
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	4716	155.582	2.0	0.06	3.41	362
ISE method - indirect	2930	156.522	1.5	0.05	3.43	228
Abbott Architect c systems	210	156.390	1.3	0.18	3.42	15

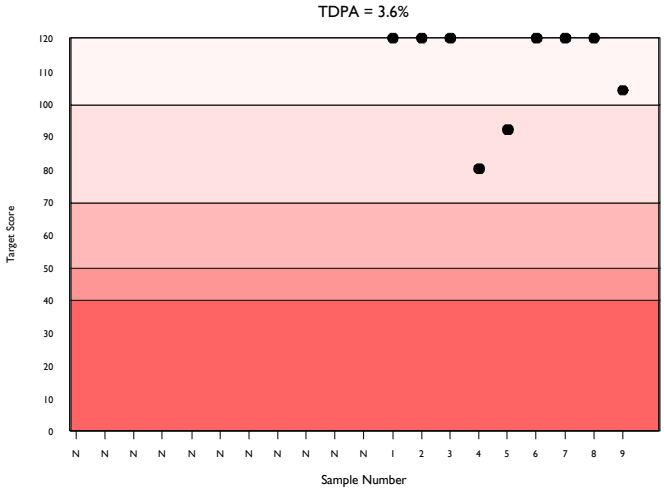
▲ Your Result	158.000	SDI	0.47
		RMSDI	Too Few
Mean for Comparison	156.390	TS	104
		RMTS	Too Few
		%DEV	1.0
		RM%DEV	Too Few

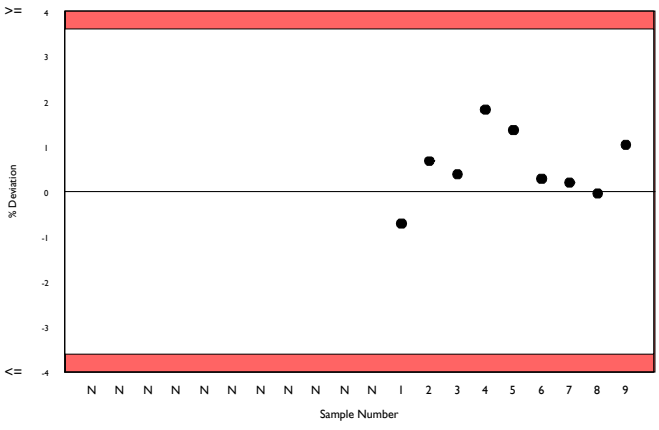
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	3.60%

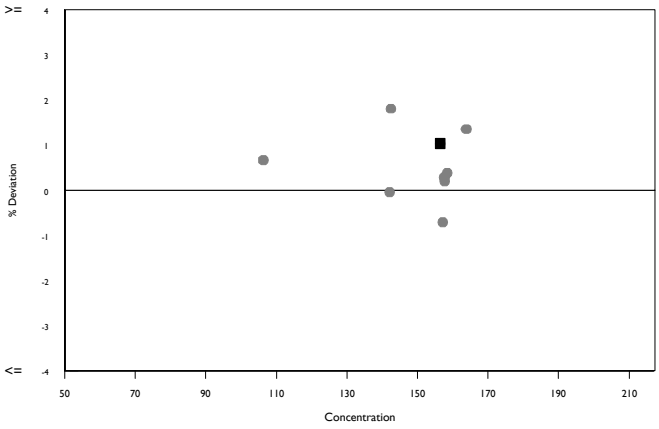


Method	N	Mean	CV%	U_m
ISE method - indirect	2930	156.522	1.5	0.05
ISE method - direct	1443	153.751	2.3	0.12
Ortho Vitros MicroSlide Systems	174	153.723	1.4	0.20
Other Dry Chemistry	41	154.514	1.6	0.48
Colorimetric	40	150.585	2.4	0.73
Agappe - ISE DIRECT	20	142.878	6.6	2.64
Enzymatic	12	155.143	3.5	1.96
Flame photometry	10	154.620	1.4	0.85
Vitros, DT60/DT60 II/DTE II	5	152.700	2.1	1.83
Optical Fluorescence	5	155.900	2.1	1.85









RIQAS

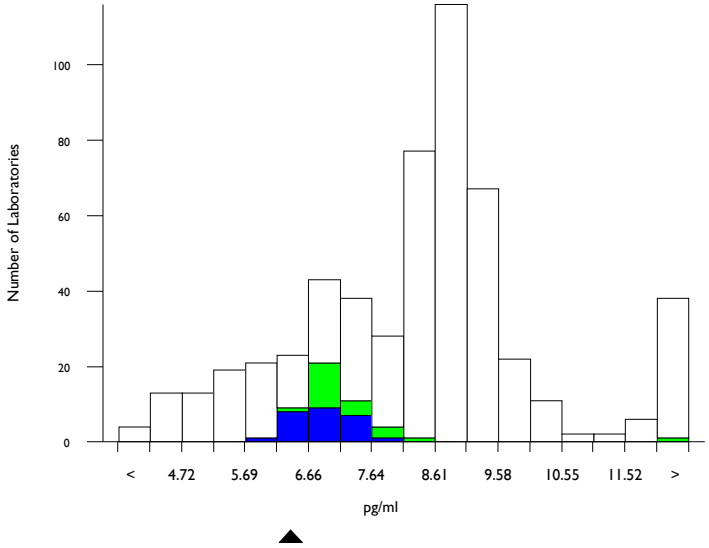
UKAS PROFICIENCY TESTING 0010

Free T3, pg/ml

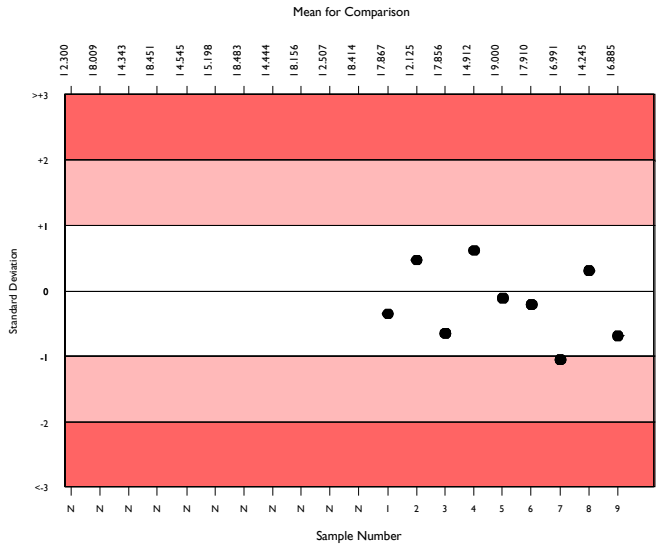
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	477	8.128	15.9	0.07	0.86	68
Abbott Architect/ Alinity, 6 point cal	45	6.973	5.9	0.08	0.74	3
Abbott Architect i Systems	26	6.885	6.5	0.11	0.73	0

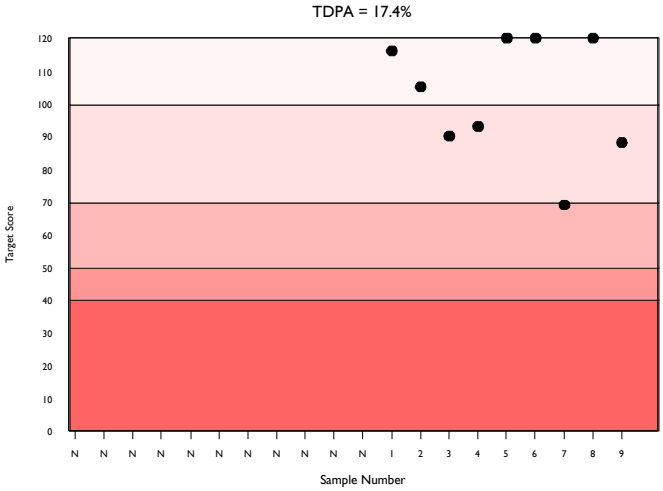
▲ Your Result	6.380	SDI	-0.69
		RMSDI	Too Few
Mean for Comparison	6.885	TS	88
		RMTS	Too Few
		%DEV	-7.3
		RM%DEV	Too Few

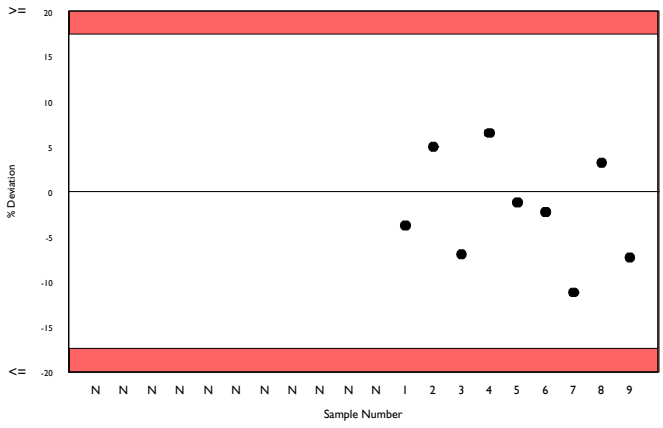
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	17.40%

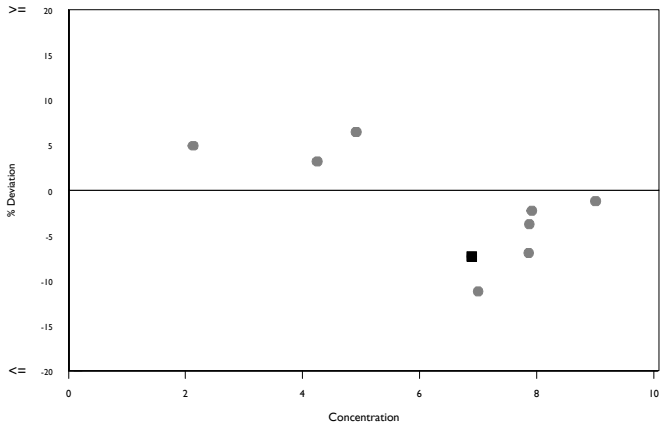


Method	N	Mean	CV%	U_m
Roche Cobas 4000/e411	86	8.862	5.3	0.06
Roche Cobas e601/602	55	8.799	4.1	0.06
BioMerieux VIDAS	43	8.781	6.9	0.12
Abbott Architect/ Alinity, 6 point cal	45	6.973	5.9	0.08
Abbott Architect/ Alinity, 2 point cal	38	6.962	5.4	0.08
Beckman Access/LXi725	35	5.752	7.3	0.09
SNIBE Maglumi analysers	19	9.097	5.2	0.14
Ortho Vitros 3600/5600/ECi/XT 7600	20	19.461	8.3	0.45
Roche Cobas e402/e801	20	8.844	3.7	0.09
Tosoh AIA Series	15	10.905	11.1	0.39
Siemens Dimension Exl LOCI	14	9.014	2.0	0.06
Mindray CL-Series	11	8.067	2.7	0.08
Siemens Centaur XP/XPT	12	8.513	6.0	0.18
Beckman Dxl 600/800	10	4.680	5.8	0.11
Siemens Centaur CP	10	8.647	6.3	0.22
ELISA	7	5.501	24.9	0.65
Fujirebio Lumipulse G Series	6	9.177	1.3	0.06
Siemens Atellica IM	7	9.163	3.8	0.16
Siemens/DPC Immulite 2000/2500	5	4.803	6.1	0.16
Roche Elecsys	4	9.219	8.5	0.49
Shenzhen YHLO iFlash Series	2	8.382	3.0	0.22









RIQAS

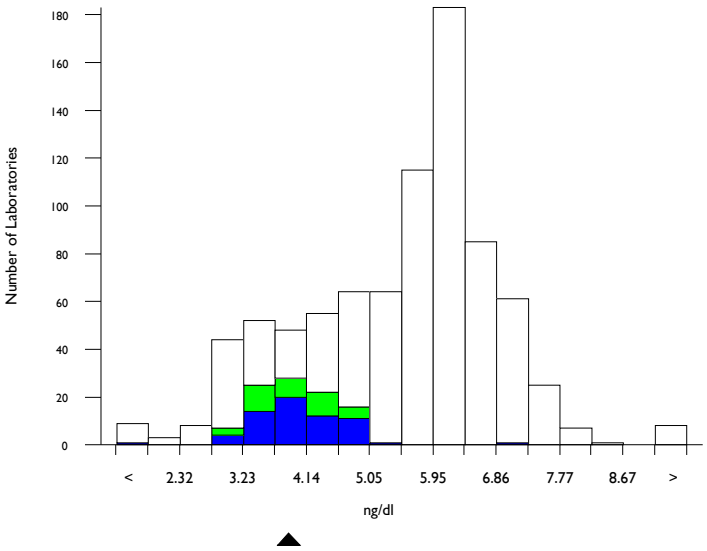
UKAS PROFICIENCY TESTING 0010

Free T4, ng/dl

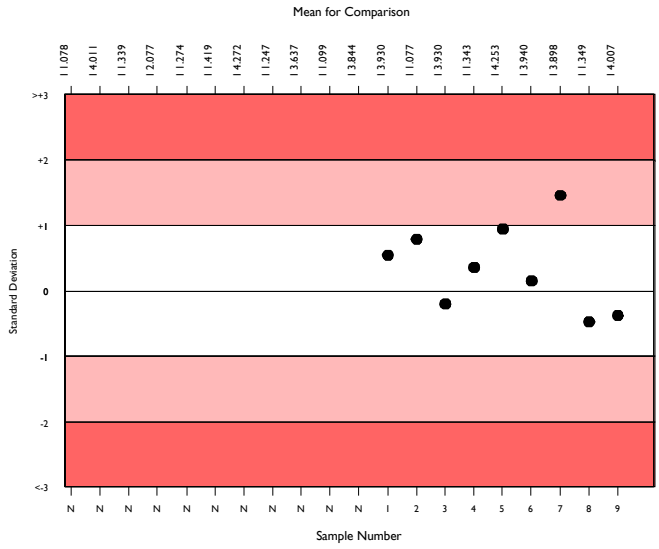
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	798	5.504	22.0	0.05	0.67	67
Abbott Architect/ Alinity	98	3.985	12.9	0.07	0.49	11
Abbott Architect i Systems	61	4.007	12.8	0.08	0.49	5

▲ Your Result	3.820	SDI	-0.38
		RMSDI	Too Few
Mean for Comparison	4.007	TS	113
		RMTS	Too Few
		%DEV	-4.7
		RM%DEV	Too Few

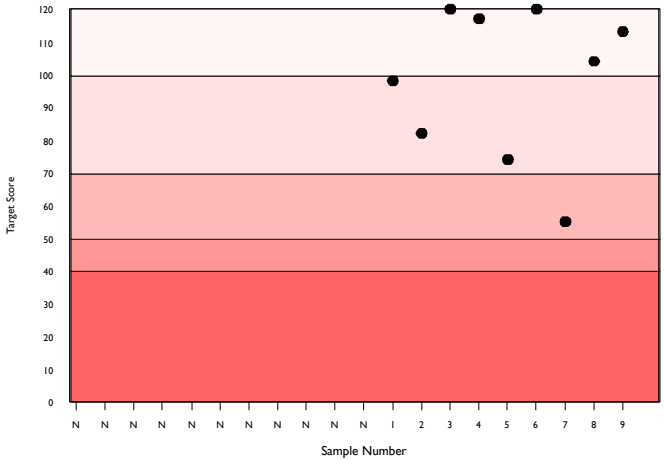
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	20.10%

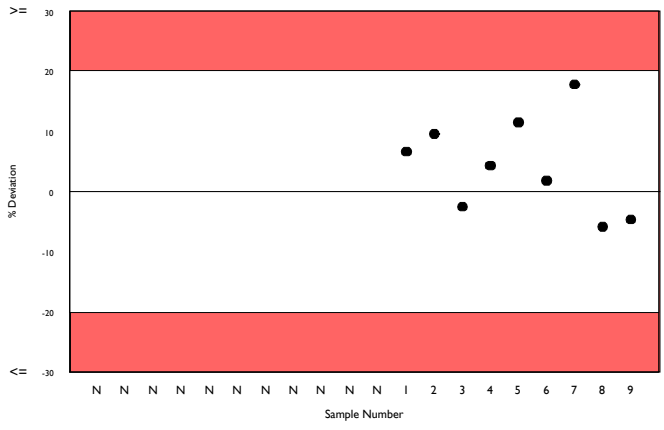


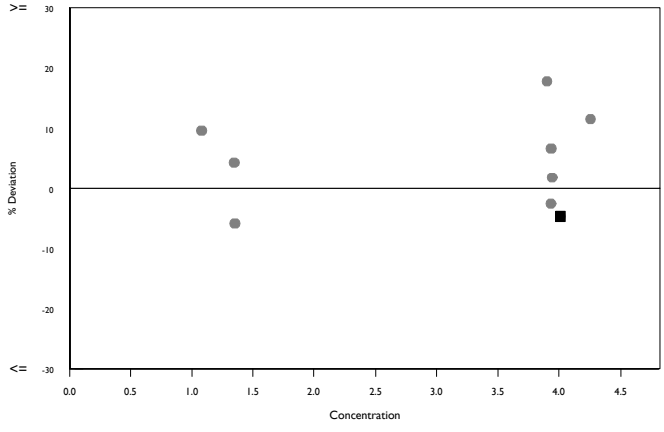
Method	N	Mean	CV%	U_m
Roche Cobas 4000/e411	127	6.251	7.5	0.05
Abbott Architect/ Alinity	98	3.985	12.9	0.07
Roche Cobas e601/ 602	70	6.285	6.0	0.06
SNIBE Maglumi analysers	58	5.953	4.2	0.04
bioMerieux, VIDAS-FT4N Kit	50	5.992	5.0	0.05
Beckman Access/LXi725	47	4.839	6.9	0.06
Monobind Inc ELISA	41	3.192	6.2	0.04
Roche Cobas e402/e801	30	6.457	6.5	0.10
Ortho Vitros 3600/5600/ECi/XT/7600	15	7.390	14.6	0.35
Tosoh AIA Series	26	6.429	6.3	0.10
ELISA	23	3.112	14.4	0.12
Mindray CL-Series	21	4.237	7.2	0.08
Beckman Dxl 600/800	19	5.110	5.7	0.08
Siemens Dimension Exl LOCI	15	7.146	3.7	0.08
Siemens Centaur XP/XPT	16	5.156	10.7	0.17
Siemens Centaur CP	12	5.537	4.0	0.08
Siemens/DPC Immulite 2000/2500	8	5.680	12.5	0.31
Siemens/DPC Immulite 1000	8	6.002	1.0	0.03
Roche Elecsys	9	6.340	14.5	0.38
Fujirebio Lumipulse G Series	9	5.782	9.7	0.23
Siemens Atellica IM	8	5.467	6.2	0.15



TDPA = 20.1%







RIQAS

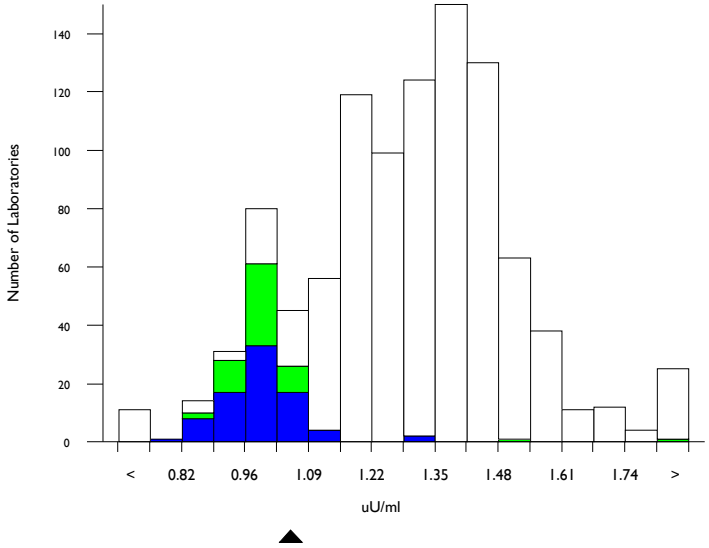
UKAS PROFICIENCY TESTING 0010

TSH, uU/ml

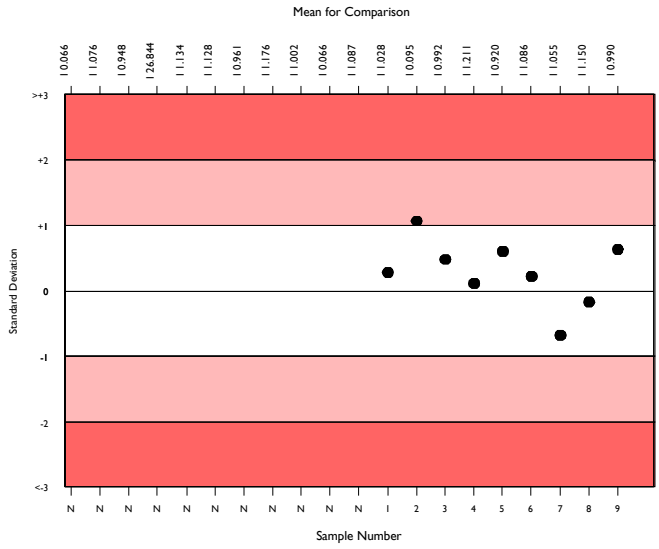
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	946	1.288	13.5	0.01	0.19	69
Abbott Architect/ Alinity	123	0.988	5.0	0.01	0.14	11
Abbott Architect i Systems	76	0.990	5.8	0.01	0.14	6

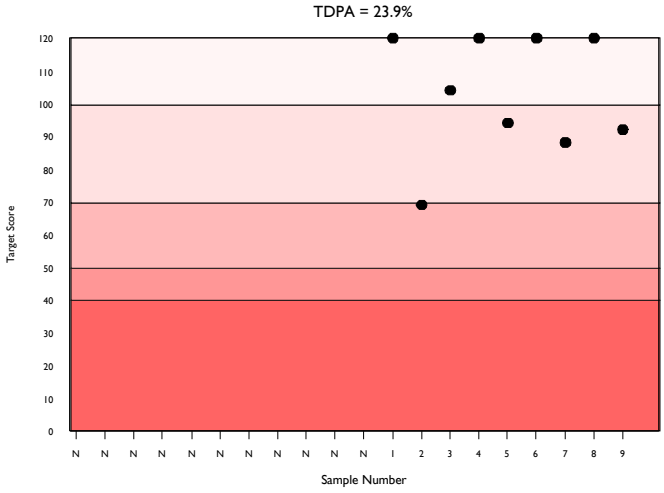
Your Result	1.080	SDI	0.63
		RMSDI	Too Few
Mean for Comparison	0.990	TS	92
		RMTS	Too Few
		%DEV	9.1
		RM%DEV	Too Few

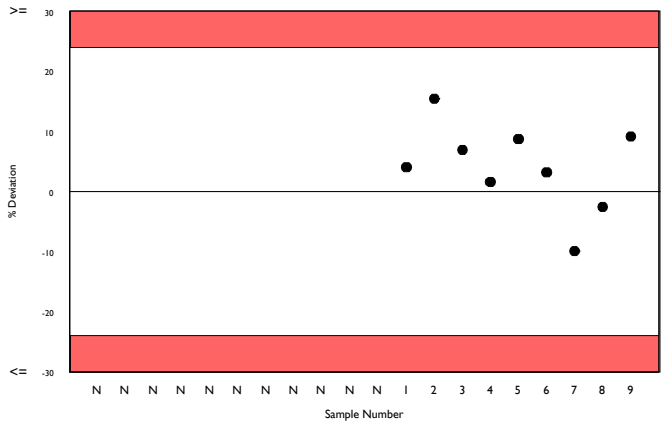
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	23.90%

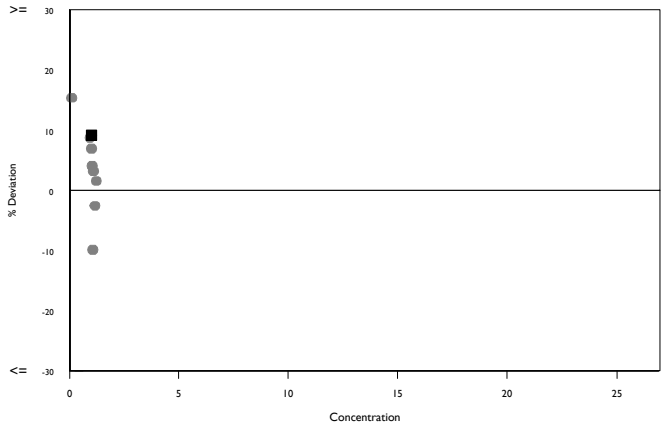


Method	N	Mean	CV%	U_m
Roche Cobas 4000/e411	144	1.450	4.6	0.01
Abbott Architect/ Alinity	123	0.988	5.0	0.01
Roche Cobas e601/ 602	80	1.417	2.8	0.01
SNIBE Maglumi analysers	74	1.288	5.3	0.01
Biomerieux VIDAS TSH	56	1.369	5.3	0.01
Monobind Inc ELISA	49	1.281	10.7	0.02
ELISA	34	1.240	15.1	0.04
Beckman DXI600/800/ Access 2 (3rd IS)	33	1.212	4.8	0.01
Beckman Access/LXi725 hyper TSH 3rd gen.	30	1.236	3.7	0.01
Roche Cobas e402/e801	29	1.375	2.9	0.01
Tosoh AIA Series	28	1.341	8.5	0.03
Ortho Vitros 3600/5600/ECi/XT 7600	26	1.198	4.2	0.01
Mindray CL-Series	25	1.591	7.3	0.03
Siemens Dimension Exl LOCI	18	1.153	6.1	0.02
Siemens Centaur CP	11	1.165	7.1	0.03
Siemens/DPC Immulite 1000	14	1.309	11.8	0.05
Roche Elecsys	13	1.355	9.4	0.04
Beckman Access/LXi725 Fast TSH 2nd gen.	13	1.200	4.8	0.02
Siemens/DPC Immulite 2000/2500	11	1.265	8.5	0.04
Siemens Atellica IM	9	1.204	4.7	0.02
Ortho Vitros TSH3	10	1.167	6.9	0.03









RIQAS

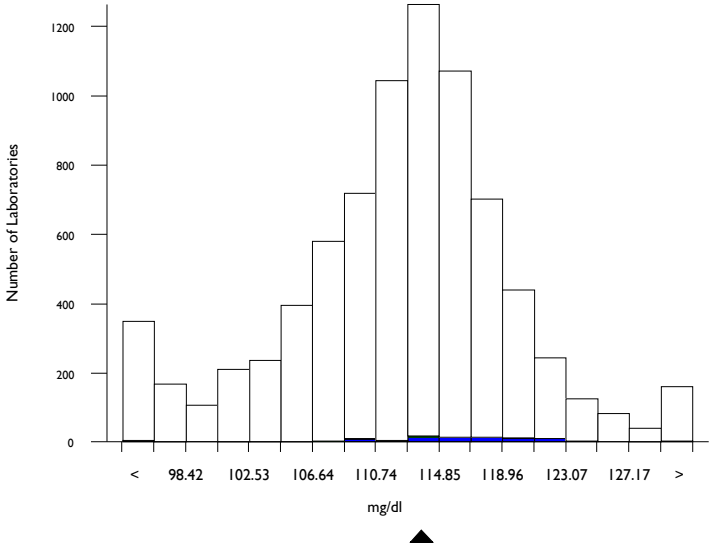
UKAS PROFICIENCY TESTING 0010

Urea, mg/dl

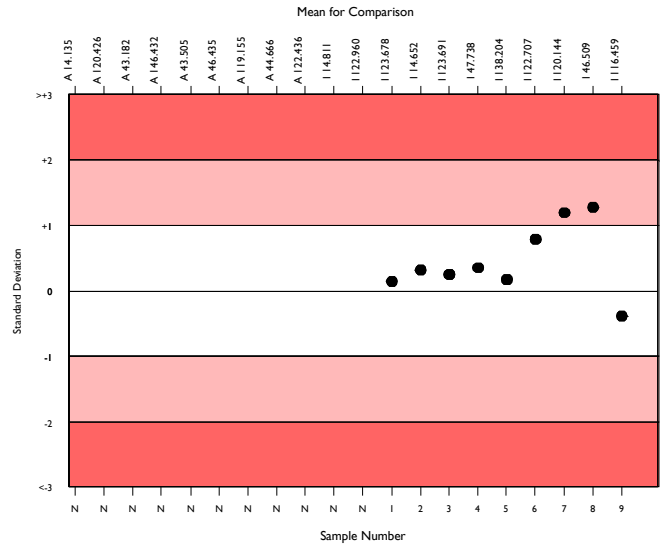
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	7226	112.803	4.9	0.08	8.57	701
Abbott Architect Urea Nitrogen 2	86	116.018	3.8	0.59	8.82	10
Abbott Architect c systems	75	116.459	3.7	0.61	8.85	8

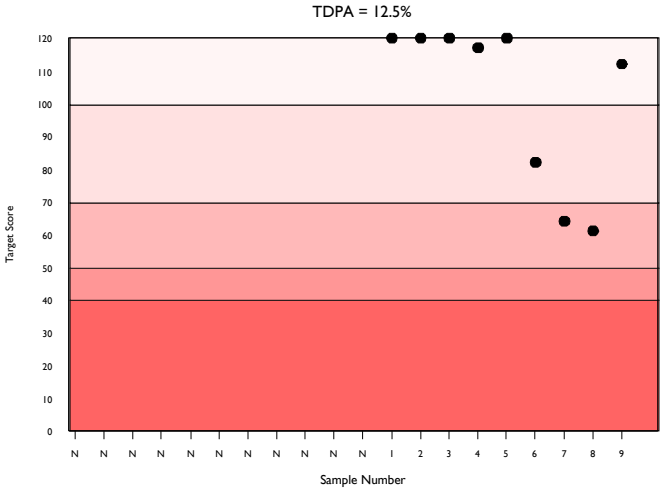
Your Result	113.000	SDI	-0.39
		RMSDI	Too Few
Mean for Comparison	116.459	TS	112
		RMTS	Too Few
		%DEV	-3.0
		RM%DEV	Too Few

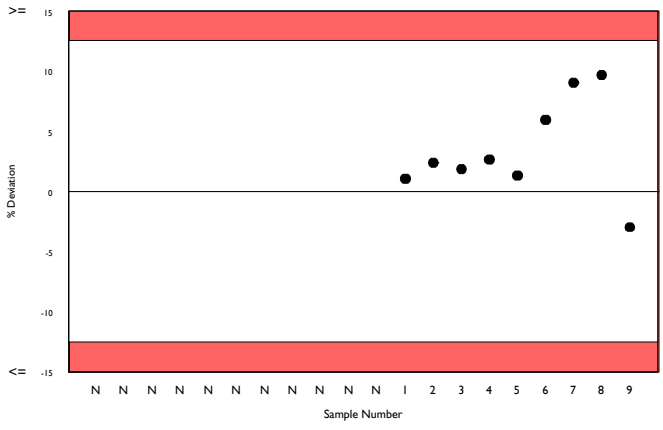
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	12.50%

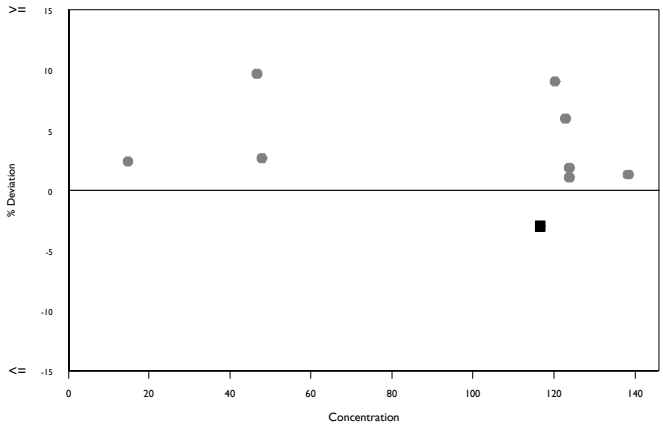


Method	N	Mean	CV%	U_m
Urease, kinetic	6121	113.055	4.6	0.08
Urease, end point	450	112.781	5.2	0.35
Ortho Vitros MicroSlide Systems	231	106.025	2.7	0.23
Urease, hypochlorite	101	109.579	6.5	0.89
Abbott Architect Urea Nitrogen 2	86	116.018	3.8	0.59
Agappe - UREASE GLDH	77	111.037	6.3	1.00
Other Dry Chemistry	72	118.938	3.6	0.63
Beckman - Conductivity	40	114.813	5.4	1.22
Agappe - BERTHELOT	7	113.838	3.2	1.72
O-Phthalaldehyde	6	108.368	3.6	2.02
Diacetyl monoxime	5	113.943	9.0	5.75
Vitros DT60/DT60 II	2	110.568	2.0	1.91









RIQAS

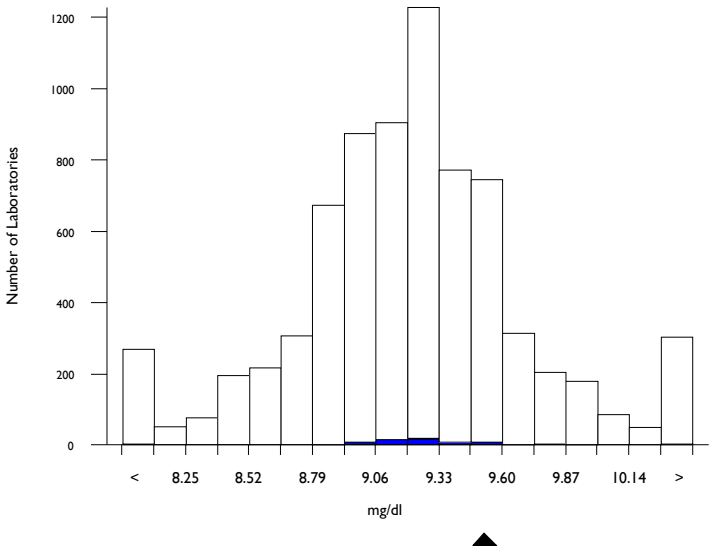
UKAS PROFICIENCY TESTING 0010

Uric Acid (Urate), mg/dl

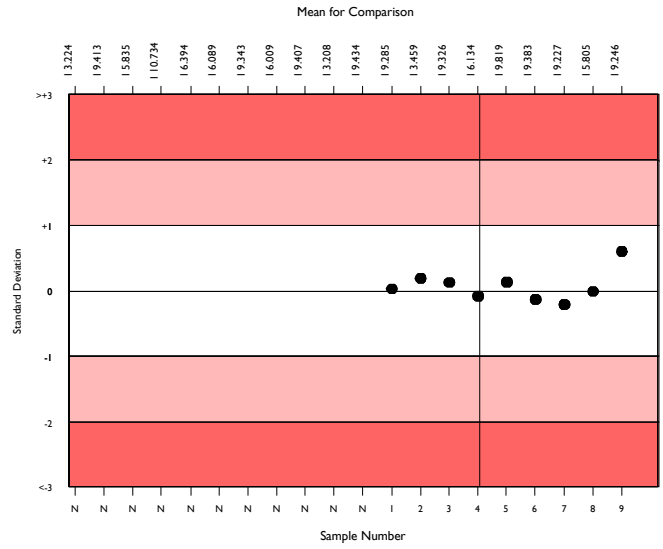
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	6776	9.199	3.9	0.01	0.59	661
Abbott Architect Uric Acid 2	58	9.241	1.9	0.03	0.59	10
Abbott Architect c systems	55	9.246	2.0	0.03	0.59	9

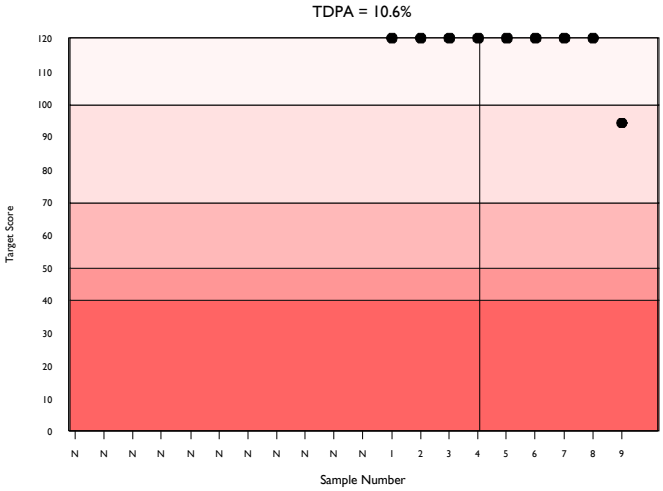
▲ Your Result	9.600	SDI	0.60
		RMSDI	Too Few
Mean for Comparison	9.246	TS	94
		RMTS	Too Few
		%DEV	3.8
		RM%DEV	Too Few

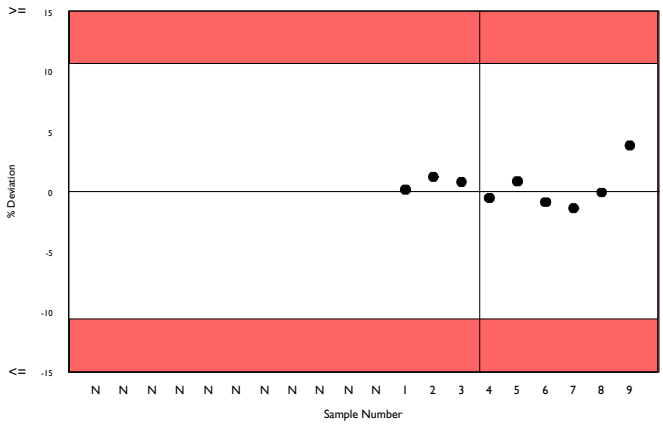
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	10.60%

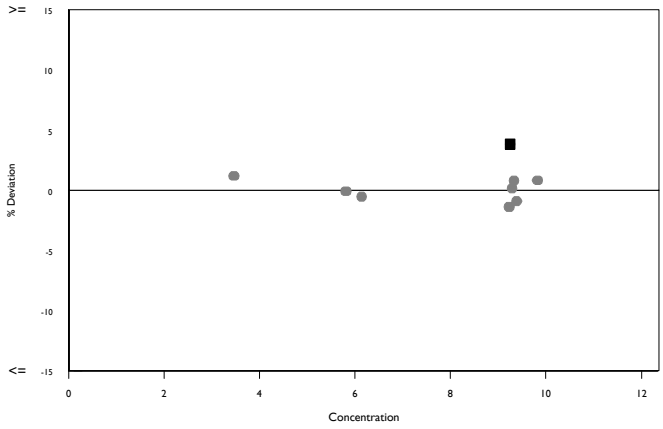


Method	N	Mean	CV%	U_m
Uricase perox. no ascorb. ox.	2644	9.190	4.4	0.01
Uricase Perox. with ascorb. ox	1908	9.270	3.5	0.01
Uricase Perox. with ascorb. ox @ 546nm	1338	9.125	3.3	0.01
Ortho Vitros MicroSlide Systems	230	8.797	2.4	0.02
Uricase @ 293 nm	193	9.226	2.4	0.02
Abbott Alinity Uric Acid 2	125	9.163	1.8	0.02
Uricase, catalase 340nm.	115	9.297	2.6	0.03
Abbott Architect Uric Acid 2	58	9.241	1.9	0.03
Agappe - URICASE - PAP	50	9.450	3.2	0.05
Other Dry Chemistry	44	10.248	3.8	0.07
Agappe - URICASE - TOPS	23	9.372	5.2	0.13
Reduction methods	19	9.443	2.7	0.07
Vitros DT60/DT60 II	3	9.023	3.2	0.21









RIQAS

UKAS PROFICIENCY TESTING 0010

Analyte	Mean for Comparison	Your Result	SDI	RMSDI	%DEV	RM%DEV	TS	RMTS	Performance
Albumin	2.937	3.000	0.39	Too Few	2.1	Too Few	112	Too Few	
Alkaline Phosphatase	375.894	380.000	0.10	Too Few	1.1	Too Few	120	Too Few	
ALT (GPT)	135.372	138.000	0.21	Too Few	1.9	Too Few	120	Too Few	
Amylase, Pancreatic	248.370	250.000	0.05	Too Few	0.7	Too Few	120	Too Few	
Amylase, Total	302.319	303.000	0.02	Too Few	0.2	Too Few	120	Too Few	
AST (GOT)	162.476	163.000	0.04	Too Few	0.3	Too Few	120	Too Few	
Bile Acids	40.750	39.600	-0.19	Too Few	-2.8	Too Few	120	Too Few	
Bilirubin, Direct	2.042	2.100	0.18	Too Few	2.9	Too Few	120	Too Few	
Bilirubin, Total	5.374	5.100	-0.53	Too Few	-5.1	Too Few	99	Too Few	
Calcium	12.529	12.700	0.27	Too Few	1.4	Too Few	120	Too Few	
Chloride	113.714	117.000	1.03	Too Few	2.9	Too Few	70	Too Few	
Cholesterol	275.158	283.000	0.55	Too Few	2.8	Too Few	98	Too Few	
CK, Total	507.428	485.000	-0.61	Too Few	-4.4	Too Few	93	Too Few	
Creatinine	4.293	4.190	-0.31	Too Few	-2.4	Too Few	120	Too Few	
GGT	180.497	181.000	0.03	Too Few	0.3	Too Few	120	Too Few	
Glucose	283.942	277.000	-0.47	Too Few	-2.4	Too Few	104	Too Few	
HDL-Cholesterol	104.083	107.000	0.22	Too Few	2.8	Too Few	120	Too Few	
Iron	274.756	274.000	-0.05	Too Few	-0.3	Too Few	120	Too Few	
LD (LDH)	367.874	349.000	-0.66	Too Few	-5.1	Too Few	90	Too Few	
LDL-Cholesterol	112.942	115.000	0.15	Too Few	1.8	Too Few	120	Too Few	
Lipase	54.340	54.000	-0.04	Too Few	-0.6	Too Few	120	Too Few	
Lithium	1.991	1.960	-0.22	Too Few	-1.6	Too Few	120	Too Few	
Magnesium	4.348	4.440	0.32	Too Few	2.1	Too Few	120	Too Few	
Phosphate, Inorganic	6.741	6.600	-0.37	Too Few	-2.1	Too Few	115	Too Few	
Potassium	6.099	6.100	0.01	Too Few	0.0	Too Few	120	Too Few	
Protein, Total	4.990	4.900	-0.34	Too Few	-1.8	Too Few	118	Too Few	
PSA, Total	17.371	17.110	-0.10	Too Few	-1.5	Too Few	120	Too Few	
Sodium	156.390	158.000	0.47	Too Few	1.0	Too Few	104	Too Few	
Free T3	6.885	6.380	-0.69	Too Few	-7.3	Too Few	88	Too Few	
Free T4	4.007	3.820	-0.38	Too Few	-4.7	Too Few	113	Too Few	
TSH	0.990	1.080	0.63	Too Few	9.1	Too Few	92	Too Few	
Urea	116.459	113.000	-0.39	Too Few	-3.0	Too Few	112	Too Few	
Uric Acid (Urate)	9.246	9.600	0.60	Too Few	3.8	Too Few	94	Too Few	

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

END OF REPORT

RIQAS

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