Laboratorio Emotest s.r.l.

MONTHLY CLINICAL CHEMISTRY

CYCLE 20 SAMPLE 2

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

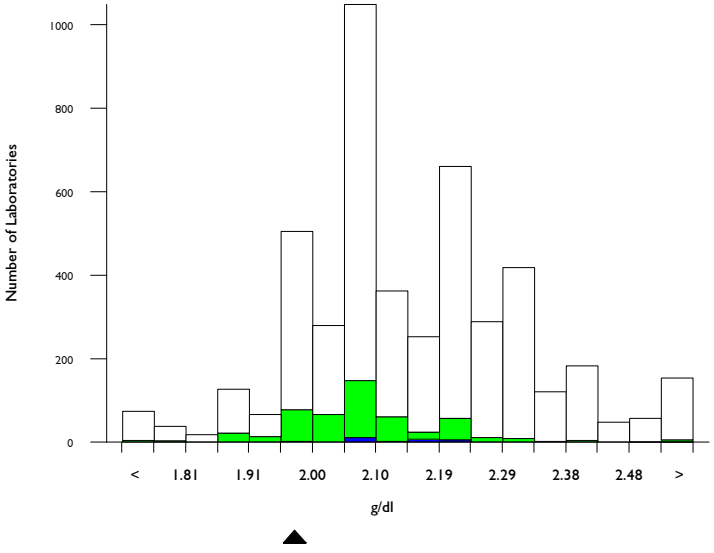
UKAS PROFICIENCY TESTING 0010

Albumin, g/dl

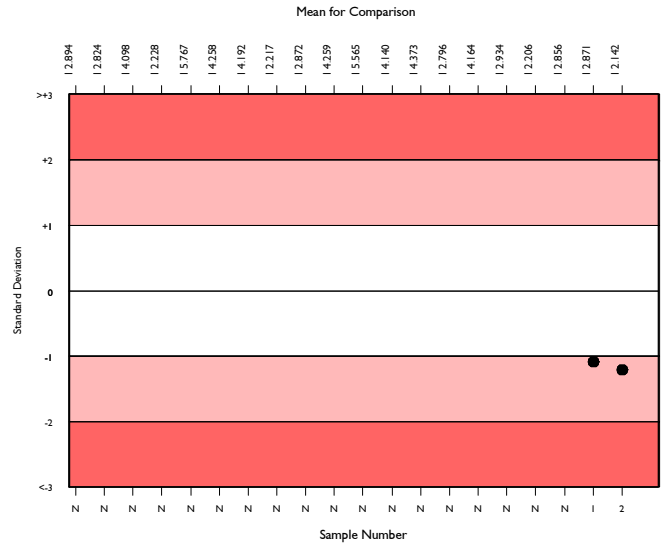
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	4361	2.150	5.9	0.00	0.12	343
Bromocresol Purple	469	2.080	3.8	0.00	0.11	40
Abbott Architect c systems	26	2.142	2.2	0.01	0.12	4

▲ Your Result	2.000	SDI	-1.21
		RMSDI	Too Few
Mean for Comparison	2.142	TS	63
		RMTS	Too Few
		%DEV	-6.6
		RM%DEV	Too Few

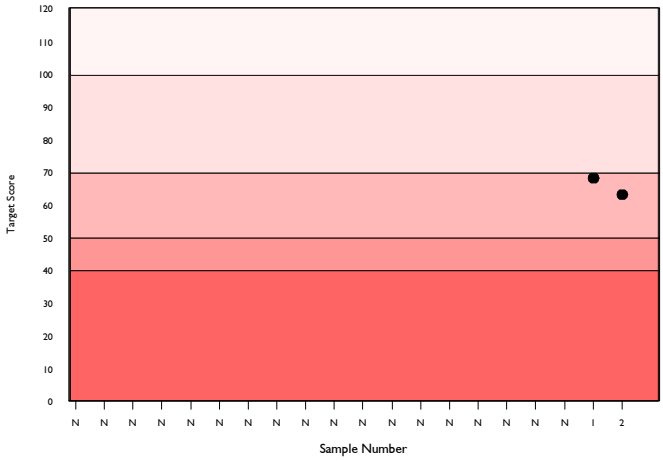
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	9.00%

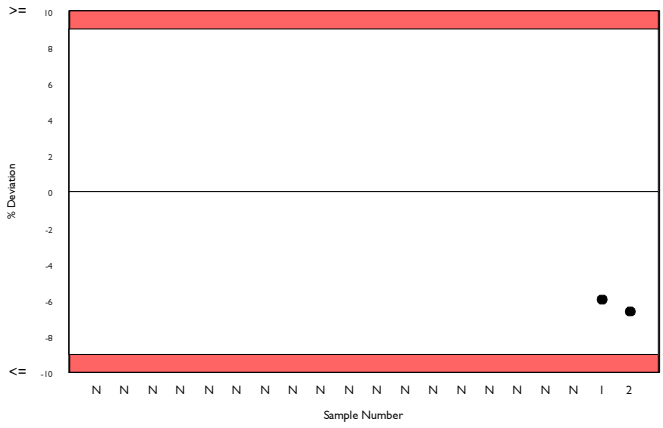


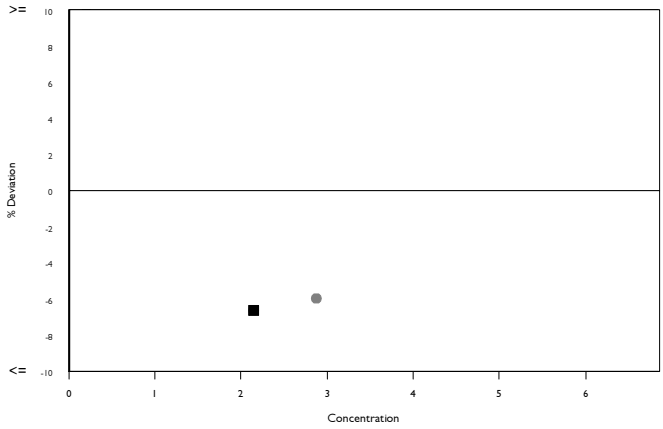
Method	N	Mean	CV%	U_m
Bromocresol Green	3492	2.168	5.7	0.00
Bromocresol Purple	469	2.080	3.8	0.00
Ortho Vitros MicroSlide Systems	202	1.989	3.1	0.01
Other Dry Chemistry	43	2.328	4.8	0.02
Agappe - Bromocresol Green	43	2.431	7.0	0.03
Abbott Alinity Albumin BCG 2	35	2.096	1.0	0.00
Turbidimetric Assays	26	2.222	4.2	0.02
Abbott Architect Albumin BCG 2	17	2.100	0.7	0.00
Abbott Architect Albumin BCP 2	10	2.013	2.6	0.02
Abbott Alinity Albumin BCP 2	3	1.943	6.4	0.09
Vitros DT60/DT60 II/DTSC II	2	1.820	21.8	0.35
Nephelometric Assays	2	2.115	7.0	0.13



TDPA = 9%







RIQAS

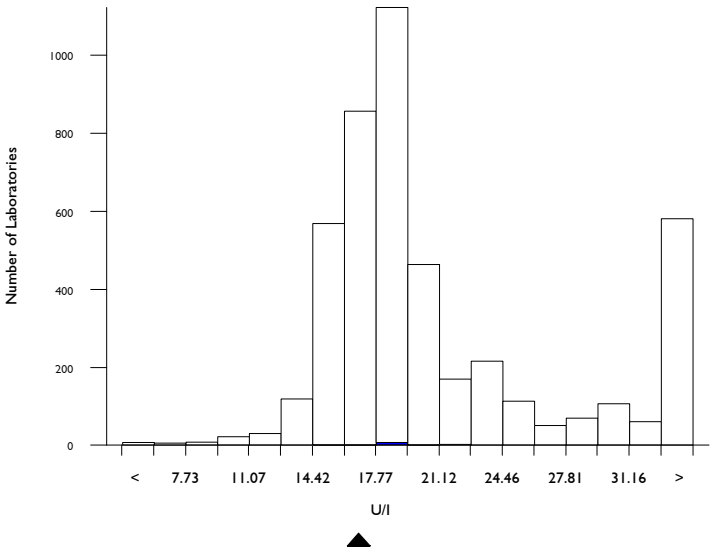
UKAS PROFICIENCY TESTING 0010

Alkaline Phosphatase, U/l @ 37°C

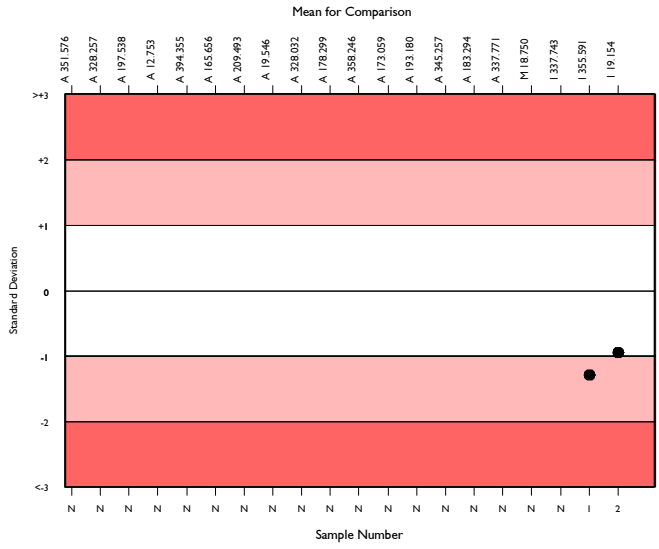
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	4045	19.447	23.0	0.09	2.19	542
Abbott Architect Alkaline Phosphatase 2	12	19.154	10.3	0.71	2.27a	0
Abbott Architect c systems	12	19.154	10.3	0.71	2.27a	0

Your Result	17.000	SDI	-0.95
		RMSDI	Too Few
Mean for Comparison	19.154	TS	72
		RMTS	Too Few
		%DEV	-11.2
		RM%DEV	Too Few

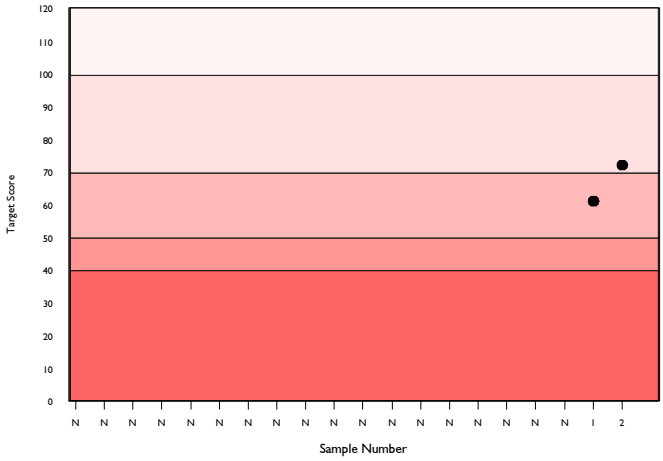
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	18.50%

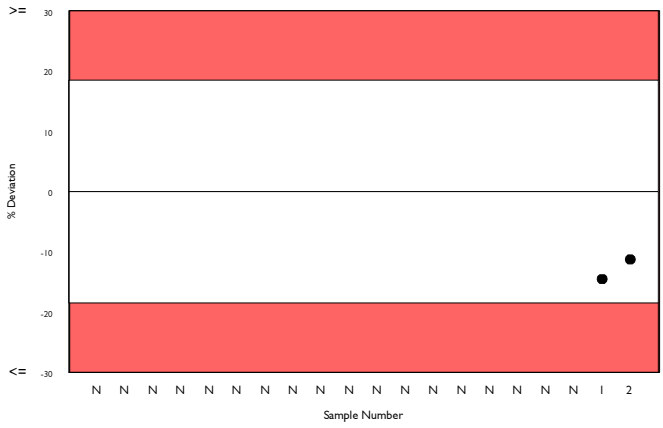


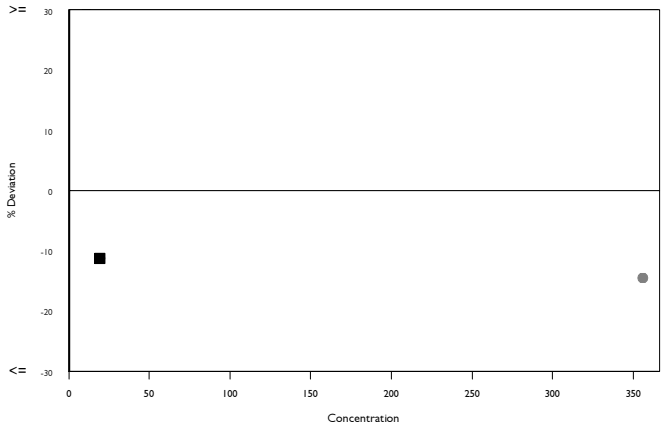
Method	N	Mean	CV%	U_m
AMP optimised to IFCC	1679	18.691	17.6	0.10
Roche AMP buffer IFCC	1027	17.395	6.7	0.05
Diethanolamine buffer, DEA	372	36.769	20.3	0.48
Ortho Vitros MicroSlide Systems	201	22.494	9.0	0.18
AMP non-optimised	212	22.844	34.3	0.67
Siemens/Dade Dimension AMP buffer	204	17.496	11.8	0.18
Colorimetric	94	18.740	17.7	0.43
Beckman AMP (Calibrator)	83	17.891	10.0	0.25
Other AMP kits	47	18.038	12.4	0.41
Agappe - DGKC-SCE	47	35.159	24.6	1.57
Other Dry Chemistry	41	24.146	20.6	0.97
Beckman AMP (Extinction Coeff)	17	15.986	8.8	0.43
Abbott Alinity Alkaline Phosphatase 2	19	19.053	8.8	0.48
Abbott Architect Alkaline Phosphatase 2	12	19.154	10.3	0.71
Fuji Dri-Chem JSCC	7	23.857	16.8	1.90
AMP optimised to NVKC/SFBC	3	21.710	9.5	1.49
AMPD optimised to JSCC	3	17.833	10.6	1.37
Vitros DT60/DT60 II/DTSC II	2	20.500	3.4	0.62
AMP reduced interference	2	21.000	26.9	5.00



TDPA = 18.5%







RIQAS

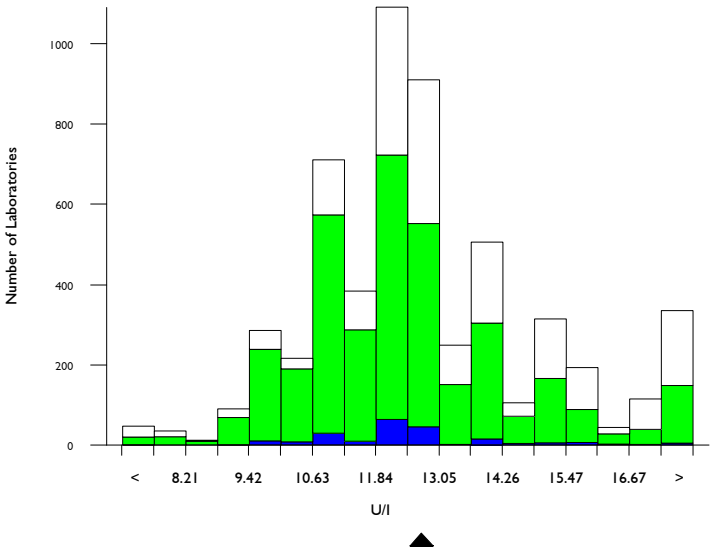
UKAS PROFICIENCY TESTING 0010

ALT (GPT), U/l @ 37°C

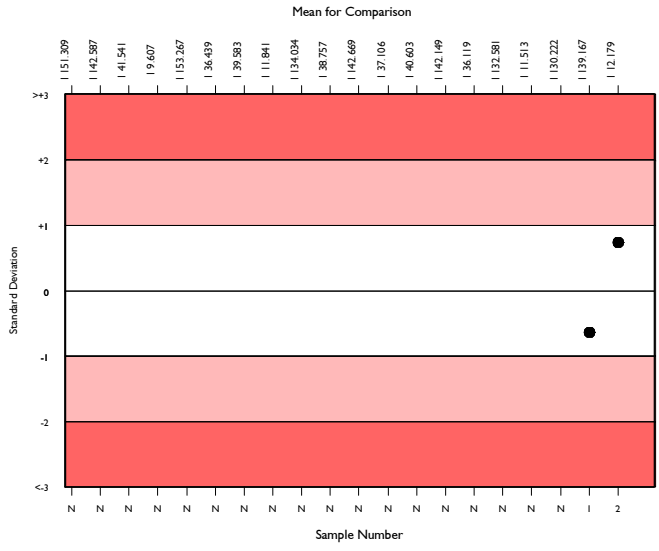
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	5112	12.447	13.0	0.03	1.14	533
Tris buffer without P5P	3417	12.179	12.6	0.03	1.12	263
Abbott Architect c systems	196	12.179	9.8	0.11	1.12	19

▲ Your Result	13.000	SDI	0.73
		RMSDI	Too Few
Mean for Comparison	12.179	TS	85
		RMTS	Too Few
		%DEV	6.7
		RM%DEV	Too Few

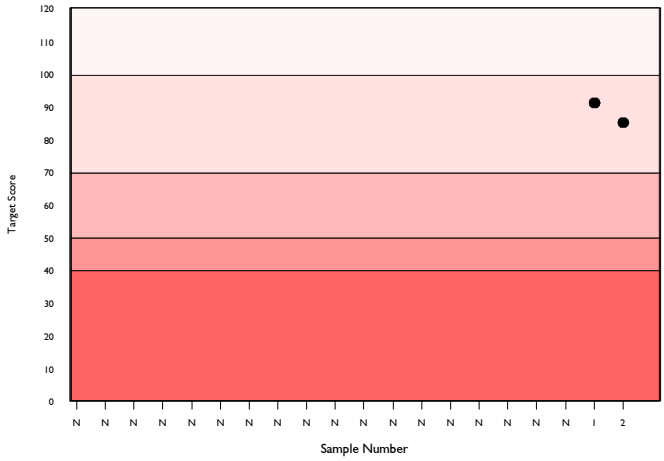
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	15.10%

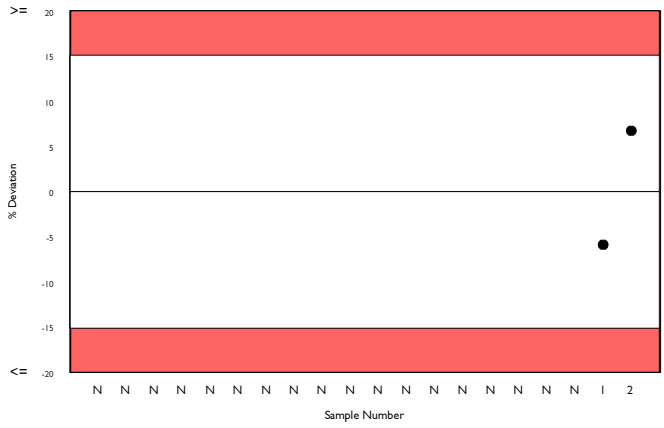


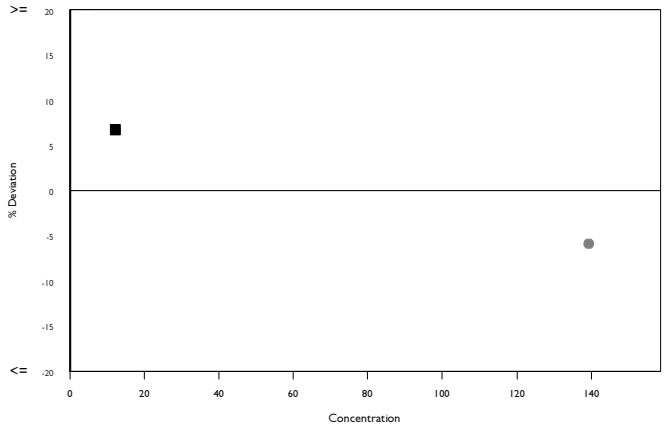
Method	N	Mean	CV%	U_m
Tris buffer without P5P	3417	12.179	12.6	0.03
Beckman Mod. IFCC Ref. without P5P	569	12.505	6.5	0.04
Tris buffer with P5P	534	12.783	15.0	0.10
Ortho Vitros MicroSlide Systems	164	16.581	10.4	0.17
Siemens/Dade standard nonIFCC correlated	146	14.137	12.9	0.19
Beckman IFCC Ref. with P5P	70	12.350	6.0	0.11
Ortho Vitros MicroSlide visible	73	16.562	9.4	0.23
Other Dry Chemistry	58	15.841	9.9	0.26
Agappe - IFCC	59	13.353	13.8	0.30
Colorimetric	47	12.574	11.2	0.26
Abbott Alinity ALT 2	23	11.678	7.0	0.21
Abbott Architect ALT 2	11	11.862	6.6	0.29
Phosphate buffer, DGKC	12	13.309	31.5	1.51
Tris buffer with P5P, NVKC	10	11.222	15.4	0.68
Tris buffer, SCE	4	12.875	12.8	1.03
Beckman (Extinction Coefficient)	4	12.023	7.8	0.58



TDPA = 15.1%







RIQAS

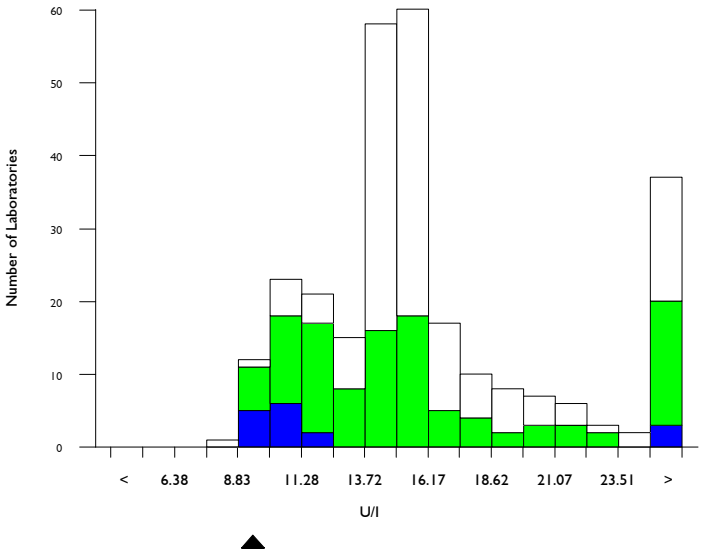
UKAS PROFICIENCY TESTING 0010

Amylase, Pancreatic, U/l @ 37°C

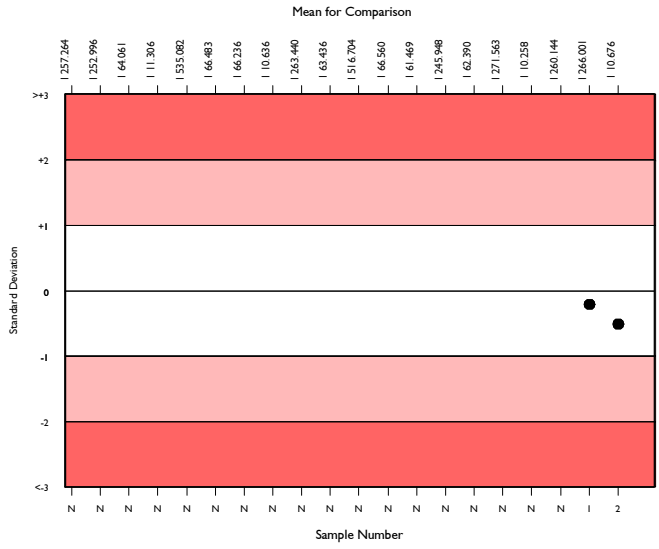
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	246	14.953	21.8	0.26	1.85	38
Immunoinhibition, EPS substrate	109	14.068	25.8	0.43	1.74	21
Abbott Architect c systems	12	10.676	5.0	0.19	1.32	4

Your Result	10.000	SDI	-0.51
		RMSDI	Too Few
Mean for Comparison	10.676	TS	101
		RMTS	Too Few
		%DEV	-6.3
		RM%DEV	Too Few

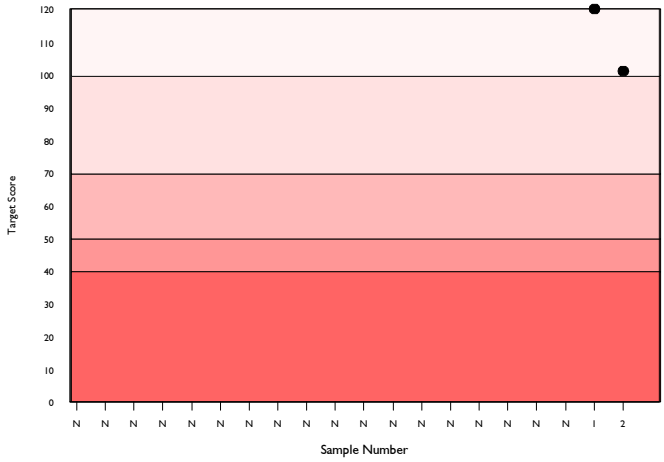
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	20.30%

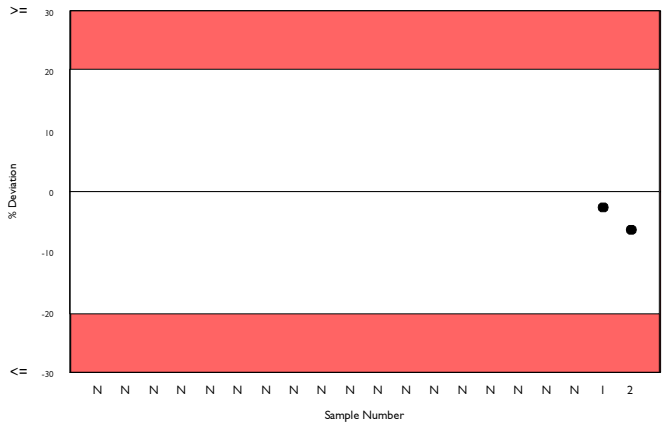


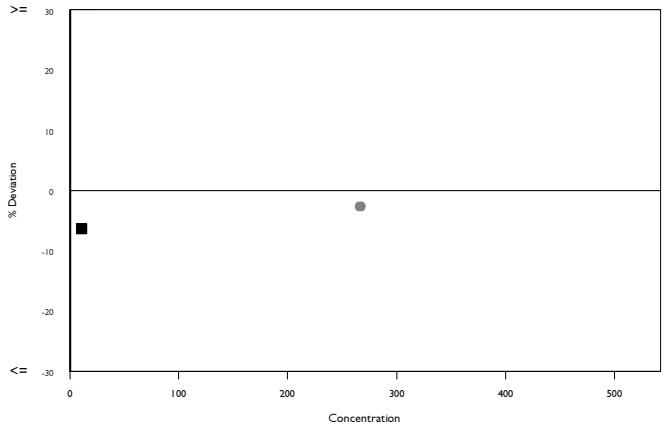
Method	N	Mean	CV%	U_m
Immunoinhibition, EPS substrate	109	14.068	25.8	0.43
Roche Liquid Stable pNPG7	105	15.090	7.8	0.14
Amyloclastic Methods	12	21.870	41.2	3.25
Randox Liquid Stable pNPG7	7	20.839	6.1	0.60
Beckman Synchron/CX/LXi/DxC	6	15.615	42.4	3.38
Other Dry Chemistry	5	27.220	17.8	2.72



TDPA = 20.3%







RIQAS

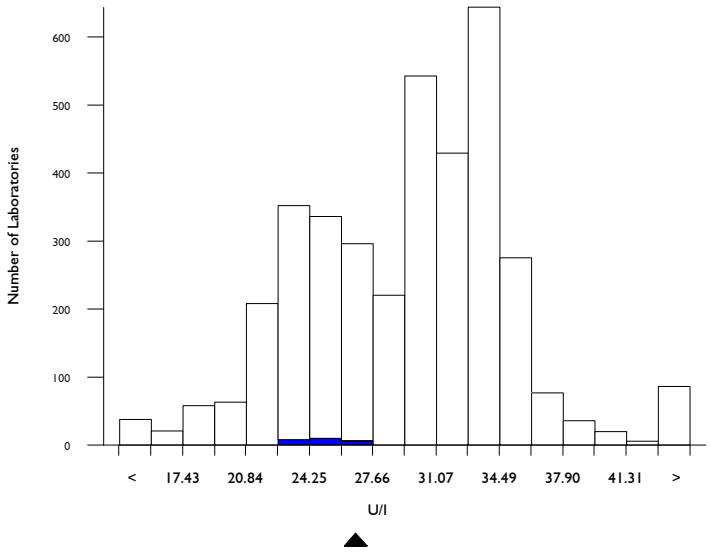
UKAS PROFICIENCY TESTING 0010

Amylase, Total, U/l @ 37°C

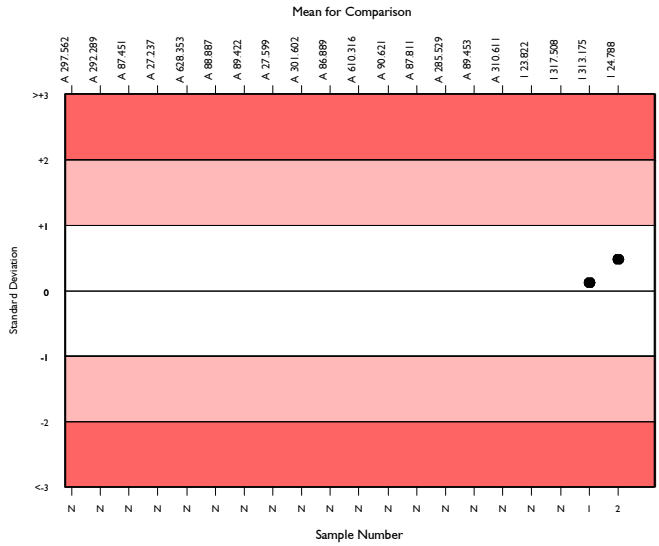
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	3493	29.372	15.5	0.10	3.02	255
Abbott Architect Amylase 2	24	24.876	4.7	0.30	2.56	1
Abbott Architect c systems	23	24.788	4.4	0.29	2.55	1

Your Result	26.000	SDI	0.48
		RMSDI	Too Few
Mean for Comparison	24.788	TS	104
		RMTS	Too Few
		%DEV	4.9
		RM%DEV	Too Few

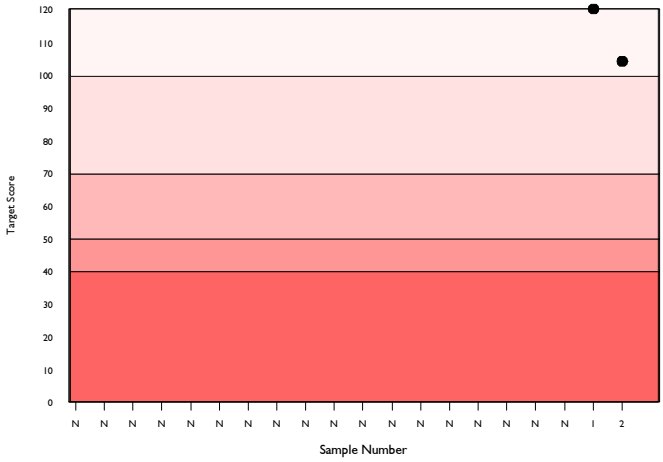
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	16.90%

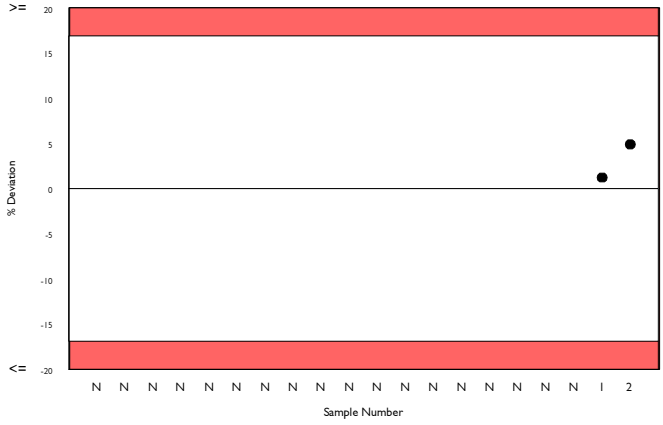


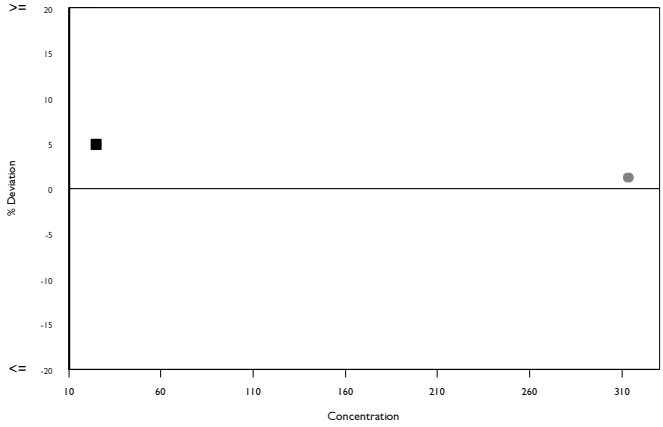
Method	N	Mean	CV%	U_m
Roche liquid stable pNPG7	782	32.411	4.1	0.06
Other 2-chloro-pNPG3	725	24.823	17.0	0.20
Siemens/Dade Behring 2-chloro-pNPG3	213	25.000	3.6	0.08
Beckman Olympus blocked pNPG7	188	32.386	10.0	0.30
Ortho Vitros MicroSlide Systems	108	31.682	6.8	0.26
Siemens - blocked pNPG7	142	33.780	7.0	0.25
Abbott Architect/Alinity cal factor 3431	110	26.207	9.2	0.29
Randox Liquid Ethylidene pNPG7	99	33.959	9.4	0.40
Beckman CNPG3 (Master Cal)	99	26.320	13.6	0.45
Other non blocked pNPG7	90	31.577	10.2	0.42
Other - blocked pNPG7	91	29.915	14.8	0.58
Roche Integra 2-chloro-pNPG7	69	32.209	3.9	0.19
Beckman Synchron AMY7	54	33.971	4.9	0.28
Wiener Amilokit (AU/dl)	47	30.662	25.9	1.45
Abbott Architect/Alinity cal factor 3806	47	29.772	7.1	0.39
BM/Roche Colorimetric pNPG7	44	32.440	3.9	0.24
Agappe - CNPG3	41	21.484	9.5	0.40
Other Dry Chemistry	33	30.094	3.8	0.25
Human CNPG3 (IFCC)	37	26.890	16.5	0.91
Abbott Alinity Amylase 2	36	24.590	6.2	0.32
pNP Maltotrioside substrates	33	29.755	16.6	1.07



TDPA = 16.9%







RIQAS

UKAS PROFICIENCY TESTING 0010

AST (GOT), U/l @ 37°C

	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	5077	11.218	22.6	0.04	1.01	545
Tris buffer without P5P	3402	10.356	16.0	0.04	0.93	308
Abbott Architect c systems	205	9.998	9.6	0.08	0.90	11

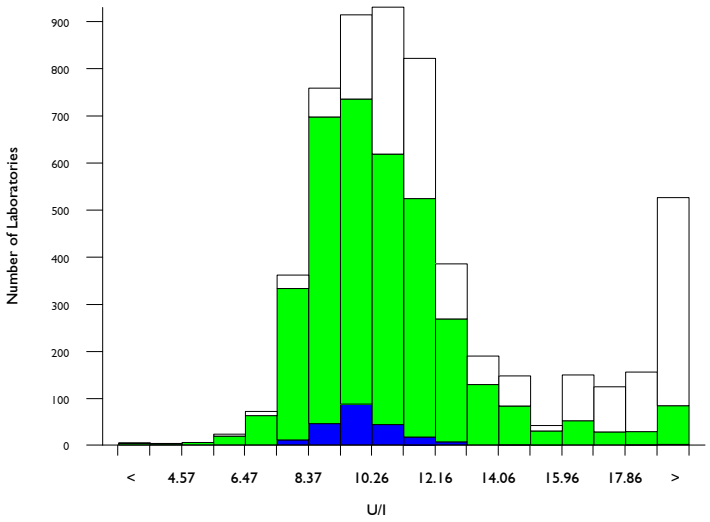
▲ Your Result	13.000	SDI	3.34
		RMSDI	Too Few
Mean for Comparison	9.998	TS	19
		RMTS	Too Few
		%DEV	30.0
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation N/A

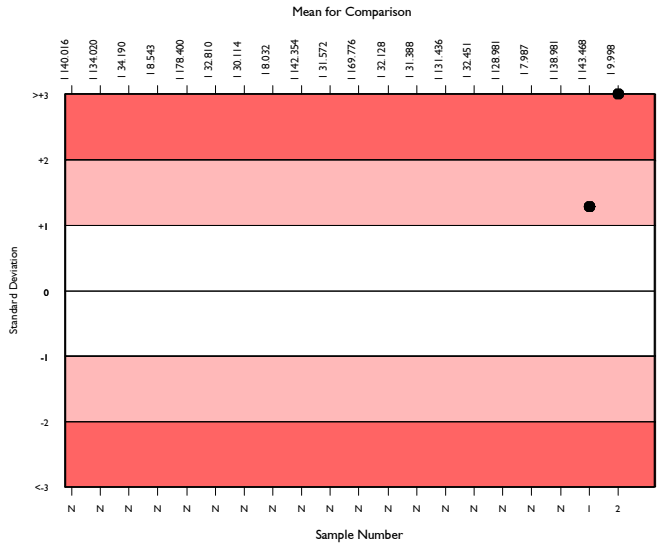
Acceptable limits of performance for RIQAS 14.80%

SDI in bottom 5% of peer group

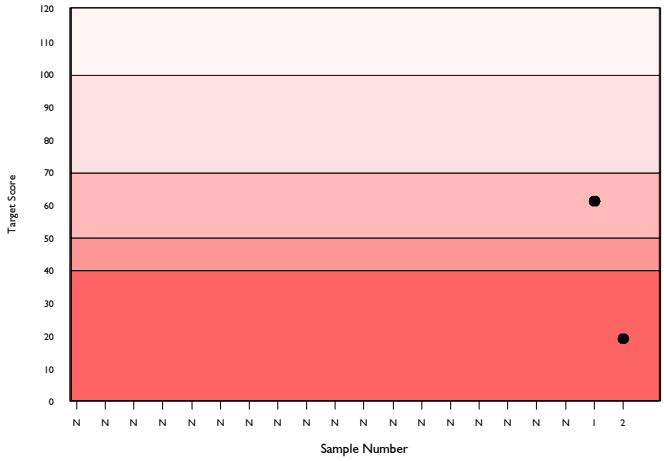
TS & %DEV outside limits

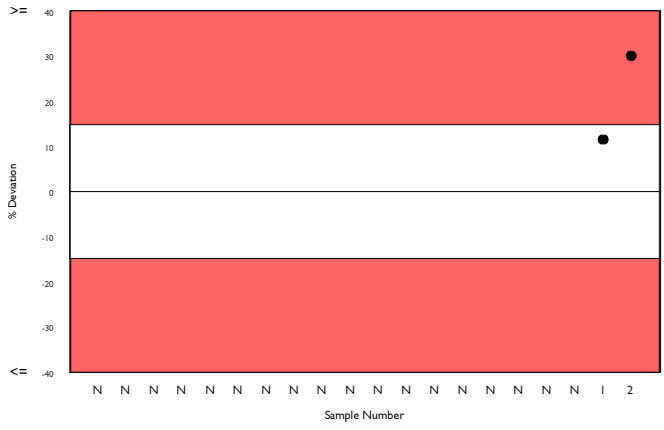


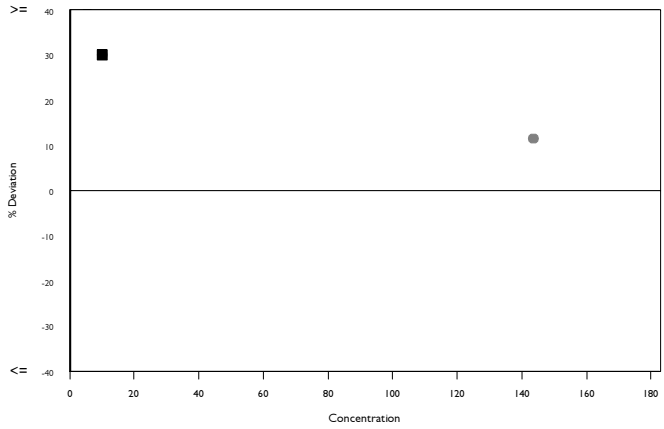
Method	N	Mean	CV%	U_m
Tris buffer without P5P	3402	10.356	16.0	0.04
Beckman Mod. IFCC Ref. without P5P	586	11.298	7.3	0.04
Tris buffer with P5P	515	16.104	21.8	0.19
Ortho Vitros MicroSlide visible	223	20.593	5.1	0.09
Siemens/Dade standard non IFCC corr.	162	16.917	17.6	0.29
Beckman IFCC Ref. with P5P	58	11.412	8.2	0.15
Agappe - IFCC	55	10.292	11.2	0.20
Other Dry Chemistry	54	14.111	6.6	0.16
Colorimetric	41	10.187	17.8	0.35
Abbott Alinity AST 2	24	11.298	11.5	0.33
Abbott Architect AST 2	19	11.333	5.7	0.19
Phosphate buffer, DGKC	8	10.843	12.3	0.59
Tris buffer with P5P, NVKC	10	12.544	39.0	1.93
Beckman (Extinction Coefficient)	4	10.390	15.6	1.01
Tris buffer, SCE	3	15.500	53.3	5.96
Vitros DT60/DT60 II/DTSC II	2	12.000	11.8	1.25



TDPA = 14.8%







RIQAS

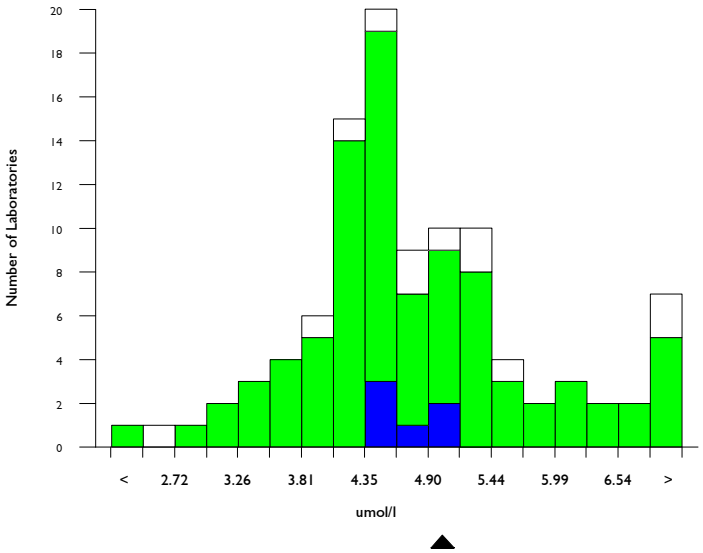
UKAS PROFICIENCY TESTING 0010

Bile Acids, umol/l

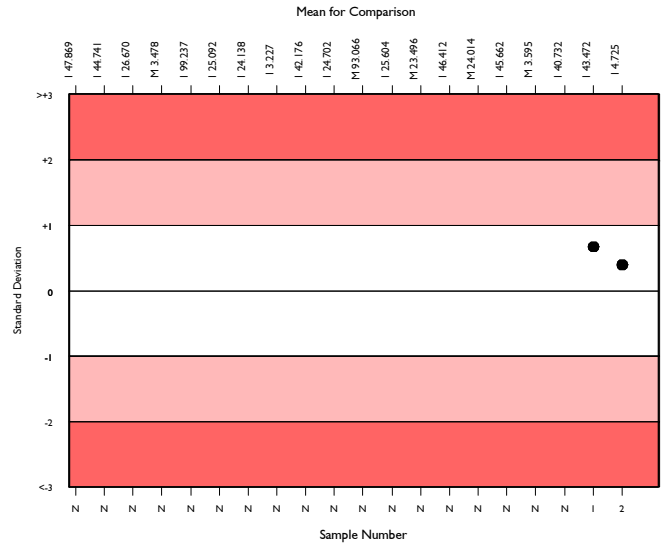
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	91	4.631	15.7	0.10	0.69	13
Enzymatic Colorimetric	80	4.611	15.2	0.10	0.69	12
Abbott Architect c systems	6	4.725	5.1	0.12	0.70	0

▲ Your Result	5.000	SDI	0.39
		RMSDI	Too Few
Mean for Comparison	4.725	TS	112
		RMTS	Too Few
		%DEV	5.8
		RM%DEV	Too Few

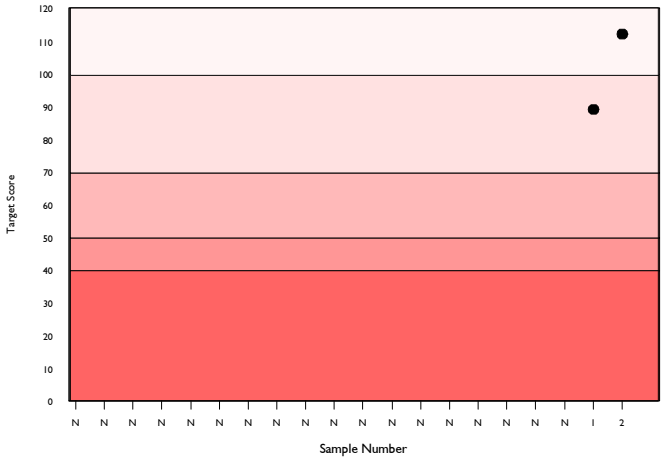
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	24.50%

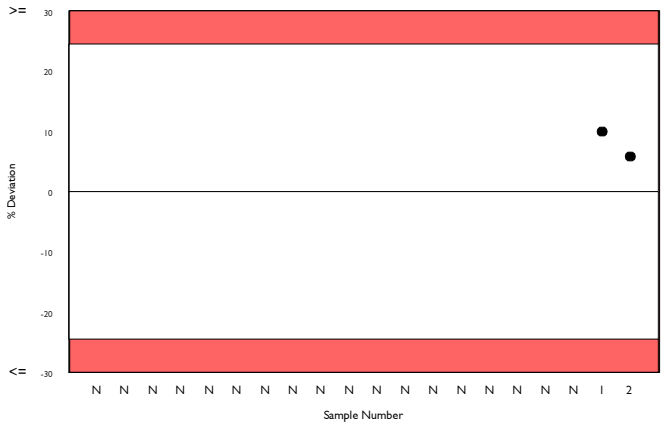


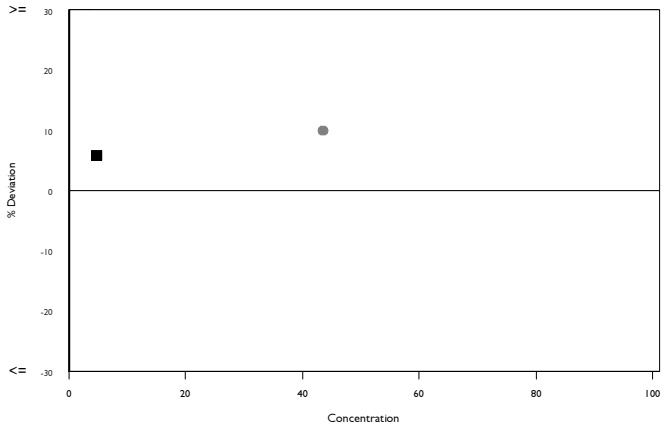
Method	N	Mean	CV%	U_m
Enzymatic Colorimetric	80	4.611	15.2	0.10
Enzymatic Colorimetric - Sentinel	9	4.792	11.6	0.23



TDPA = 24.5%







RIQAS

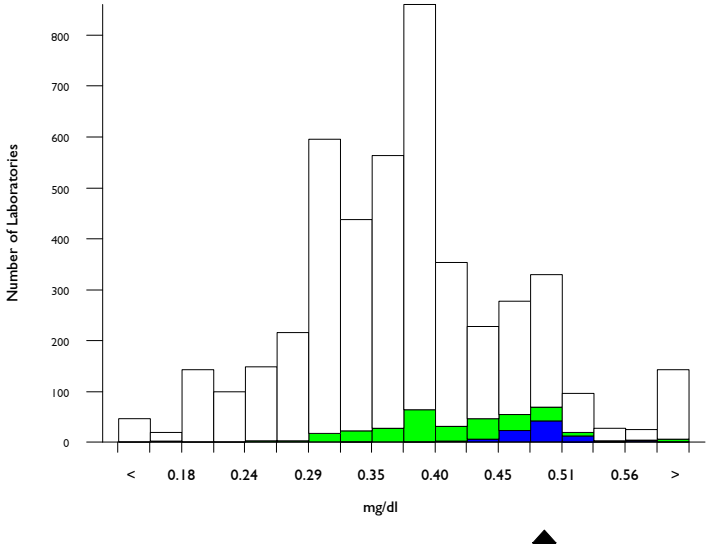
UKAS PROFICIENCY TESTING 0010

Bilirubin, Direct, mg/dl

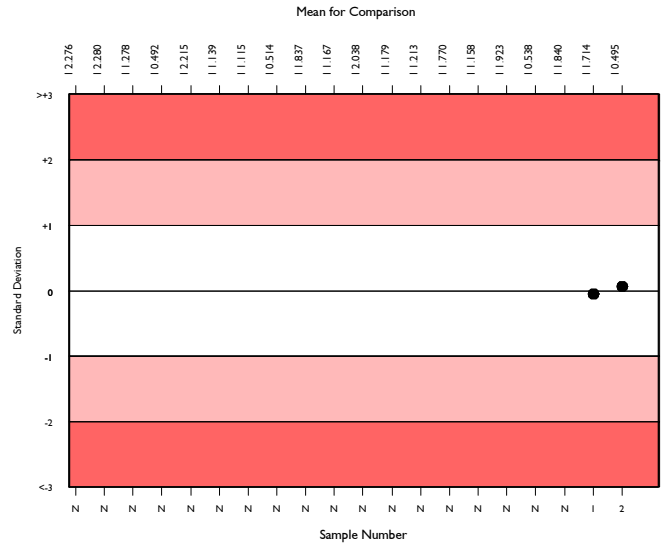
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	4215	0.378	19.1	0.00	0.06	390
Diazo with Dichloroanaline	354	0.435	14.3	0.00	0.07	19
Abbott Architect c systems	80	0.495	4.0	0.00	0.08	12

Your Result	0.500	SDI	0.06
		RMSDI	Too Few
Mean for Comparison	0.495	TS	120
		RMTS	Too Few
		%DEV	0.9
		RM%DEV	Too Few

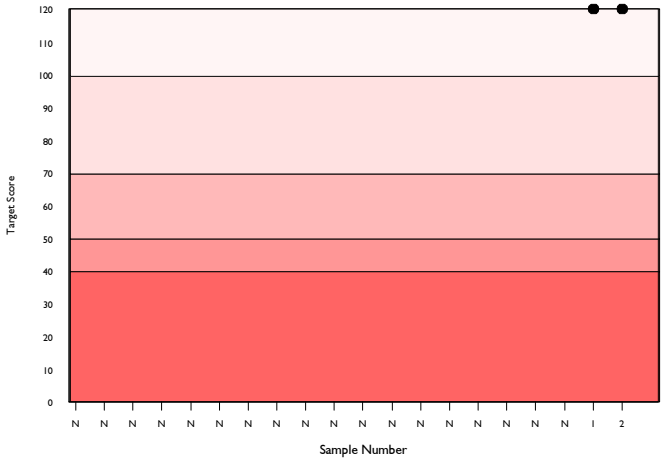
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	25.80%

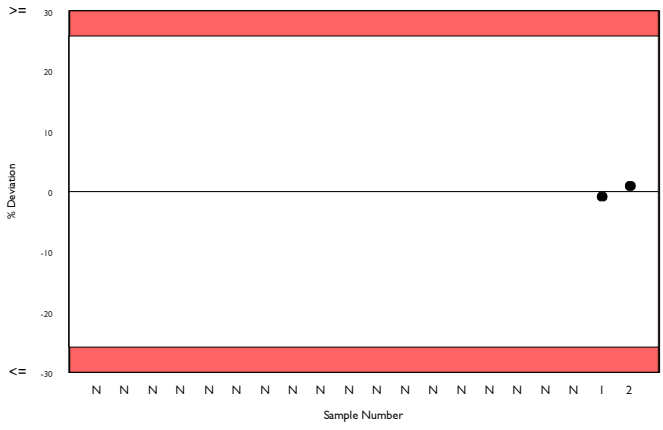


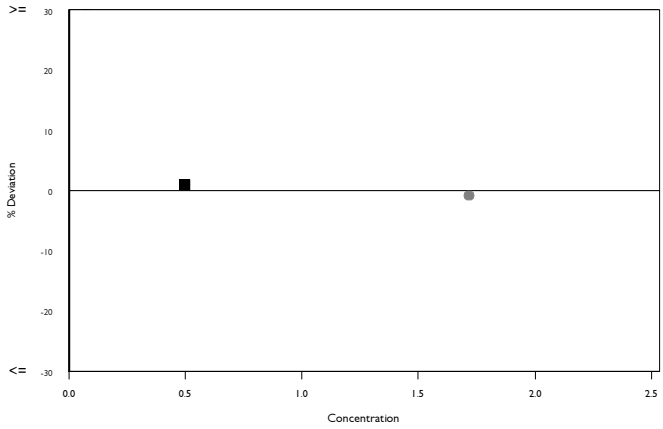
Method	N	Mean	CV%	U_m
Diazo with Sulphanilic Acid	1604	0.372	23.5	0.00
Dichlorophenyl Diazonium	1092	0.368	11.1	0.00
Diazo with Dichloroanaline	354	0.435	14.3	0.00
Roche DPD JG standardised	327	0.385	6.3	0.00
Oxidation to Biliverdin/Vanadate	260	0.477	11.5	0.00
Diazo/ Sulphanilic Siemens Dimension	253	0.258	10.6	0.00
Roche DPD Doumas standardised	150	0.353	12.2	0.00
Diazo/Sulphanilic Beckman DxC	92	0.338	8.9	0.00
Other Dry Chemistry	46	0.372	19.3	0.01
Agappe - DIAZO	42	0.258	12.2	0.01
Roche (US calibrator only)	6	0.376	14.1	0.03
Direct Spectrophotometry	5	0.390	17.0	0.04



TDPA = 25.8%







RIQAS

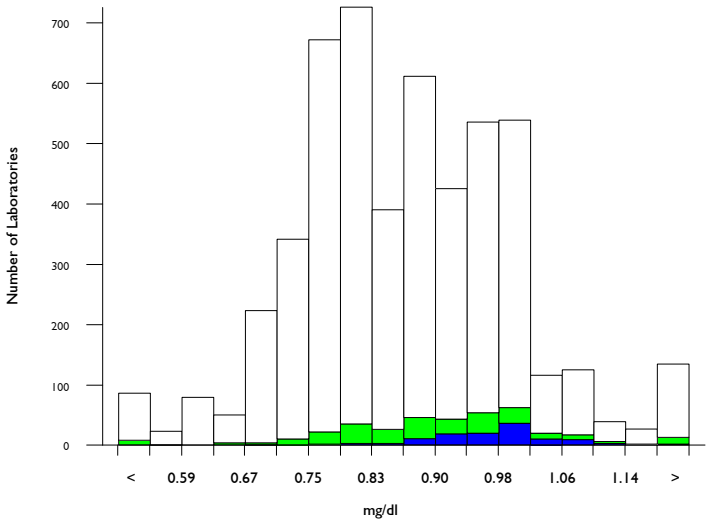
UKAS PROFICIENCY TESTING 0010

Bilirubin, Total, mg/dl

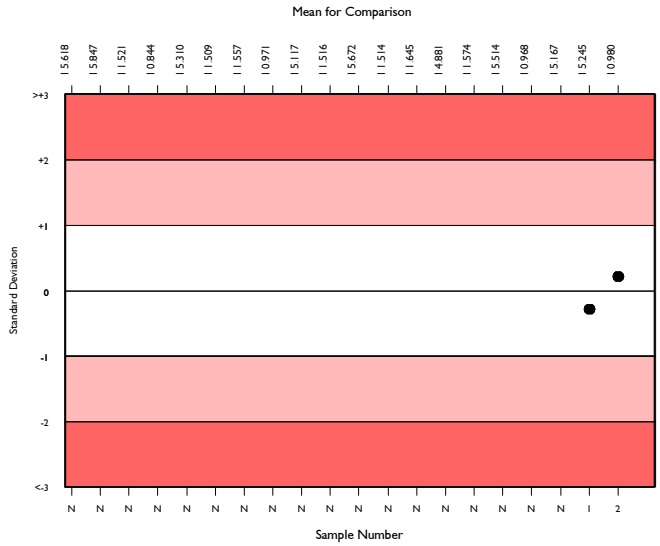
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	4785	0.870	12.0	0.00	0.08	355
Diazo with Dichloroaniline	342	0.928	10.2	0.01	0.09	31
Abbott Architect c systems	108	0.980	5.6	0.01	0.09	11

▲ Your Result	1.000	SDI	0.21
		RMSDI	Too Few
Mean for Comparison	0.980	TS	120
		RMTS	Too Few
		%DEV	2.0
		RM%DEV	Too Few

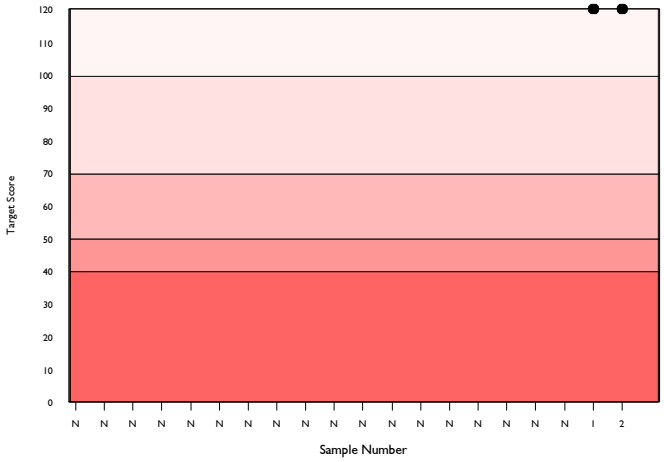
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	15.90%

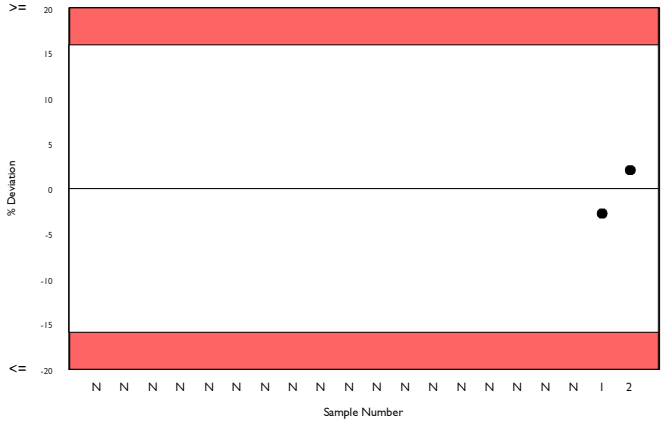


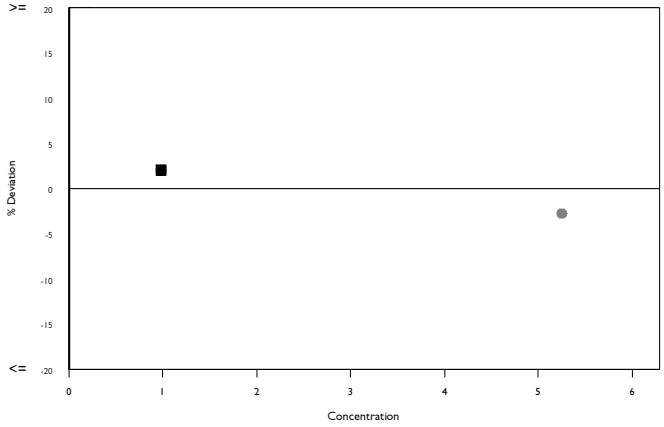
Method	N	Mean	CV%	U_m
Diazo with Sulphanilic Acid	1879	0.883	11.1	0.00
Dichlorophenyl Diazonium	938	0.801	9.0	0.00
Diazonium ion	494	0.815	10.9	0.00
DPD (Beckman AU)	406	0.964	3.4	0.00
Diazo with Dichloroaniline	342	0.928	10.2	0.01
Oxidation to Biliverdin/Vanadate	281	0.955	7.7	0.01
Ortho Vitros MicroSlide System Total Bil	196	0.741	13.0	0.01
Other Dry Chemistry	54	0.831	10.8	0.02
Agappe - TAB	36	0.803	6.6	0.01
Nitrobenzenediazonium Salt	25	0.820	8.5	0.02
Abbott Alinity Total Bilirubin 2	12	0.928	4.2	0.01
Agappe - DMSO	9	0.807	10.6	0.04
Direct Spectrophotometry	8	0.841	11.8	0.04
Vitros DT60/DT60 II Total Bil	3	0.767	29.4	0.16
Abbott Architect Total Bilirubin 2	3	0.944	6.4	0.04
Assel - DMSO	3	0.869	3.1	0.02



TDPA = 15.9%







RIQAS

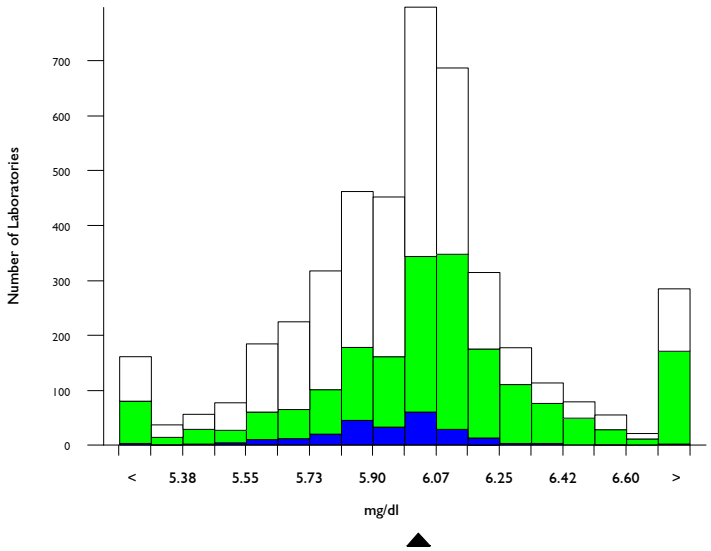
UKAS PROFICIENCY TESTING 0010

Calcium, mg/dl

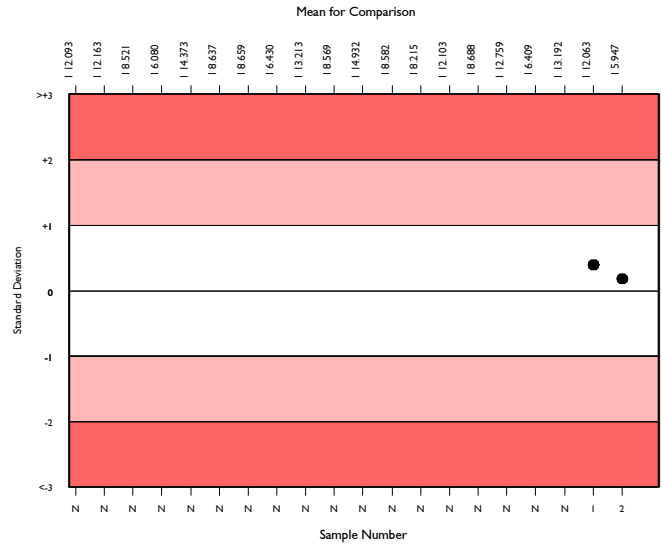
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	4024	5.991	3.9	0.00	0.30	471
Arsenazo	1809	6.045	4.3	0.01	0.30	217
Abbott Architect c systems	221	5.947	2.4	0.01	0.30	20

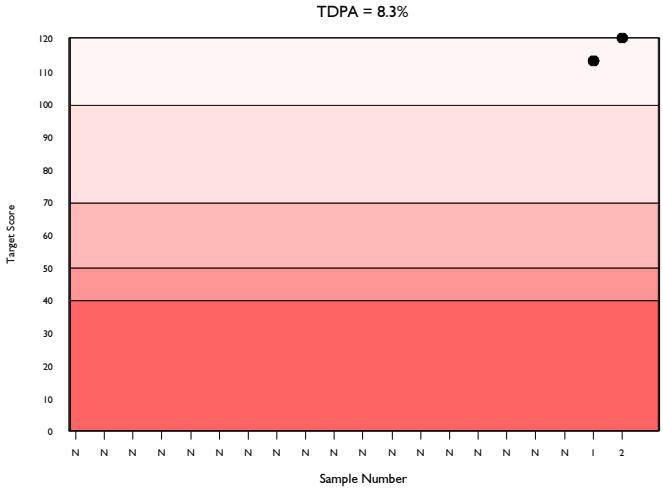
▲ Your Result	6.000	SDI	0.18
		RMSDI	Too Few
Mean for Comparison	5.947	TS	120
		RMTS	Too Few
		%DEV	0.9
		RM%DEV	Too Few

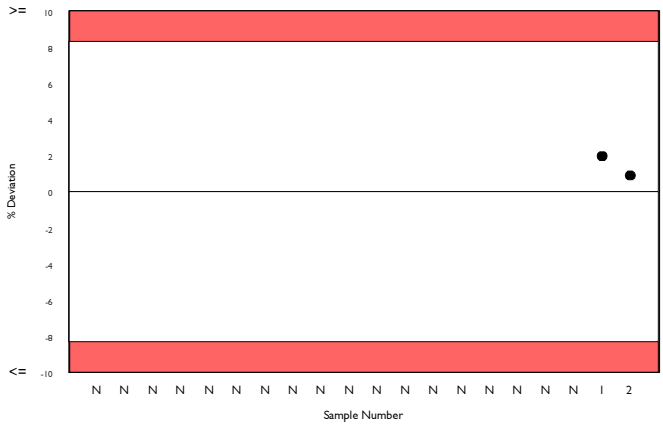
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	8.30%

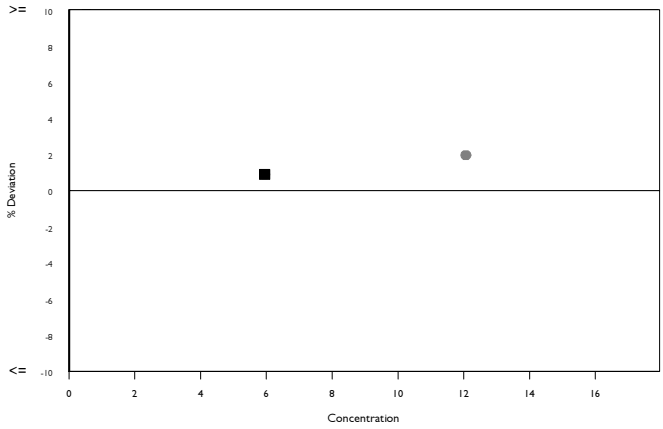


Method	N	Mean	CV%	U_m
Arsenazo	1809	6.045	4.3	0.01
Cresolphthalein complexone	1005	5.945	4.2	0.01
NM-BAPTA	801	5.989	2.3	0.01
Ortho Vitros MicroSlide Systems	213	5.821	3.2	0.02
Ion selective electrode	90	6.090	6.6	0.05
Other Dry Chemistry	37	5.842	4.3	0.05
Agappe - ARSENAZO	34	5.848	3.3	0.04
Phosphonazo	21	5.936	7.2	0.12
Methylthymol blue	14	5.931	8.7	0.17
Atomic absorption	6	5.912	9.7	0.29
Agappe - OCPC	2	6.335	5.5	0.31
Optical Emission Spectroscopy	2	4.800	50.1	2.12









RIQAS

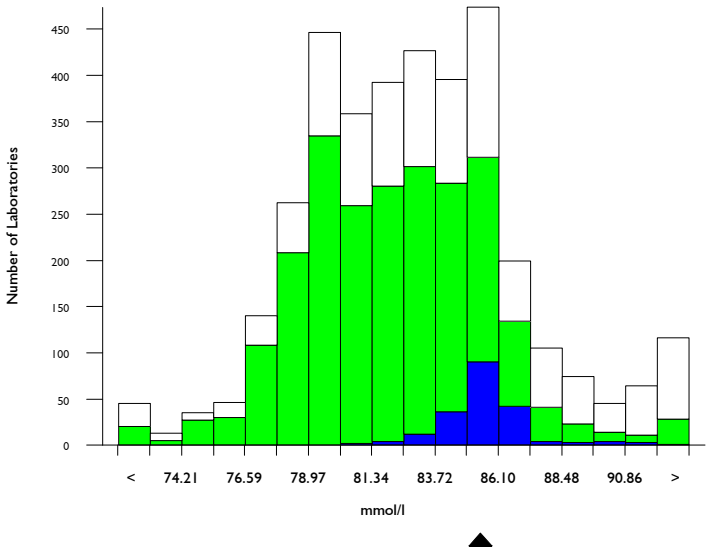
UKAS PROFICIENCY TESTING 0010

Chloride, mmol/l

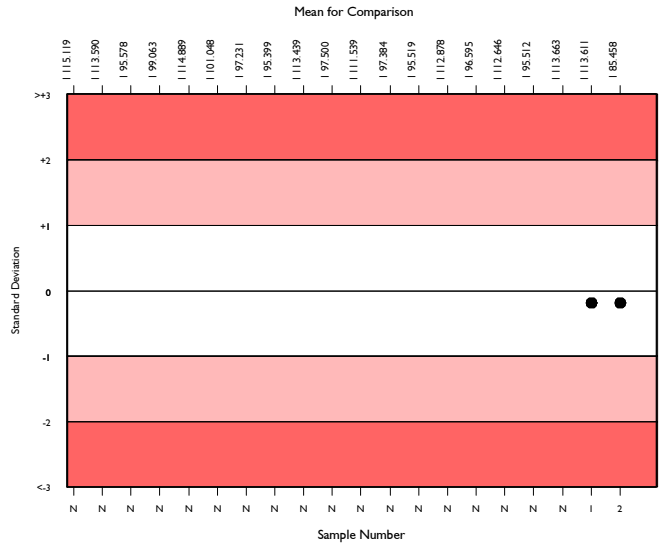
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	3365	82.539	3.8	0.07	2.31	274
ISE, indirect	2290	82.156	3.5	0.08	2.30	132
Abbott Architect c systems	185	85.458	1.4	0.11	2.39	17

▲ Your Result	85.000	SDI	-0.19
		RMSDI	Too Few
Mean for Comparison	85.458	TS	120
		RMTS	Too Few
		%DEV	-0.5
		RM%DEV	Too Few

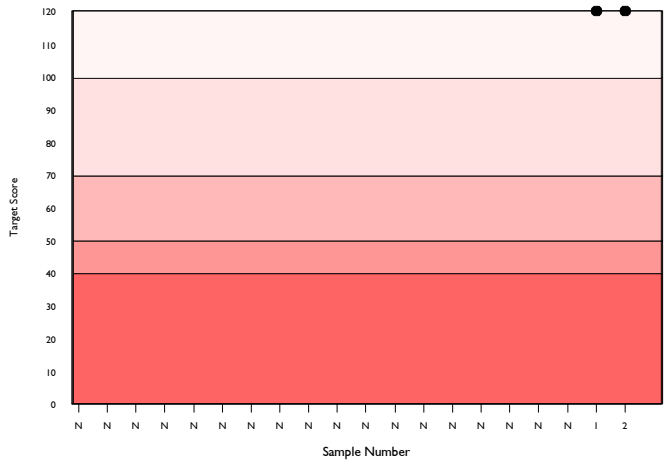
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	4.60%

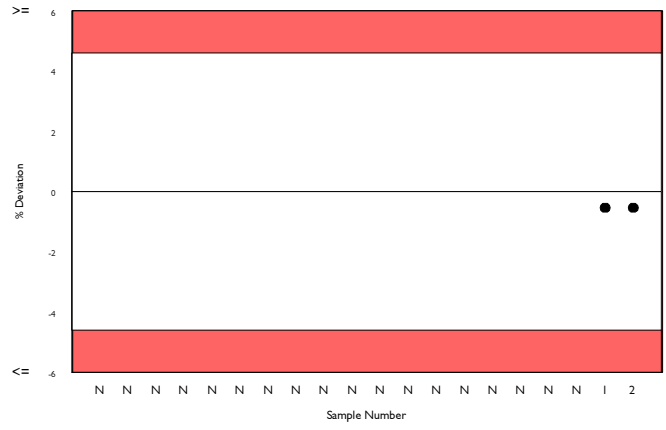


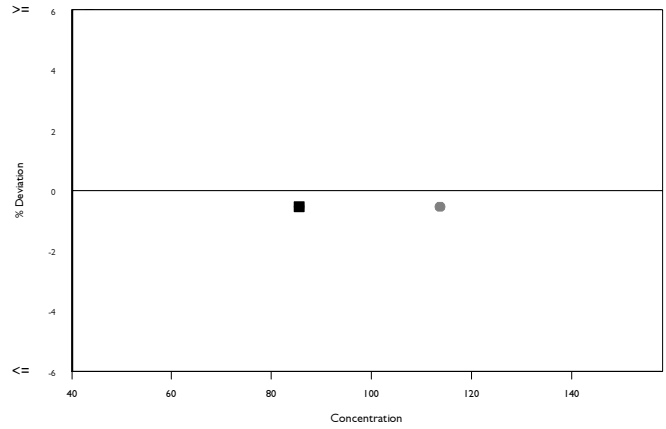
Method	N	Mean	CV%	U_m
ISE, indirect	2290	82.156	3.5	0.08
ISE, direct	810	83.233	4.5	0.17
Ortho Vitros MicroSlide Systems	134	85.096	2.2	0.20
Colorimetric	108	87.951	5.5	0.58
Other Dry Chemistry	33	78.212	2.3	0.38
Agappe - THIOCYANATE	22	86.236	1.9	0.43
Optical Fluorescence	5	86.020	5.5	2.66



TDPA = 4.6%







RIQAS

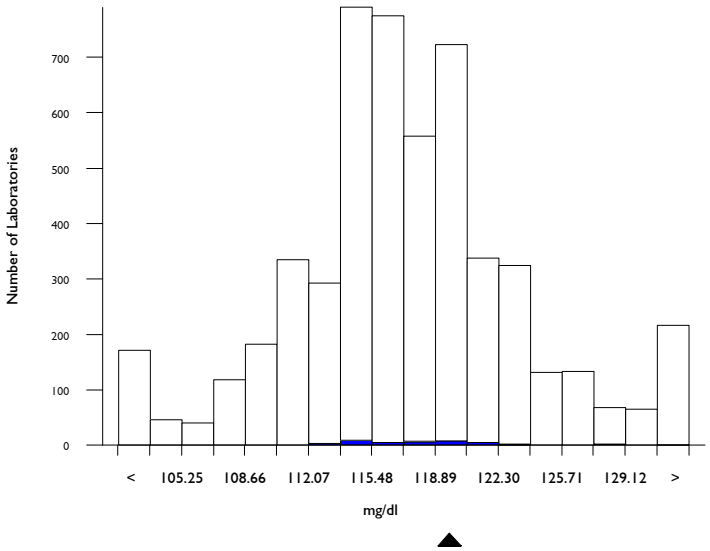
UKAS PROFICIENCY TESTING 0010

Cholesterol, mg/dl

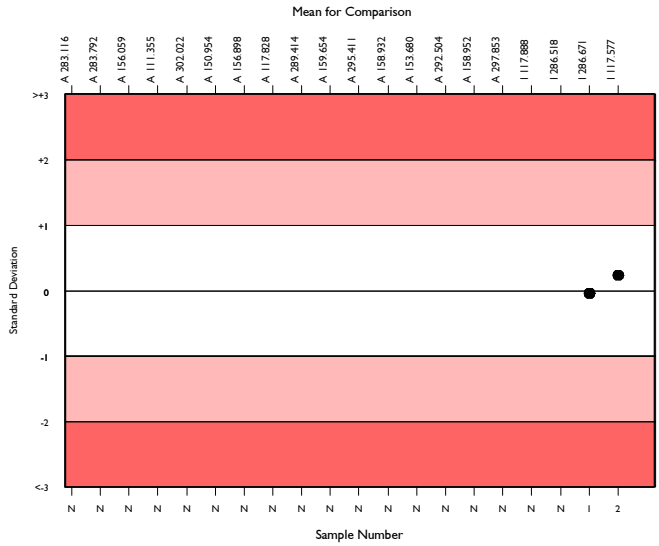
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	4806	117.191	3.9	0.08	6.13	496
Abbott Architect Cholesterol 2	39	117.727	2.4	0.57	6.15	3
Abbott Architect c systems	37	117.577	2.4	0.58	6.15	3

▲ Your Result	119.000	SDI	0.23
		RMSDI	Too Few
Mean for Comparison	117.577	TS	120
		RMTS	Too Few
		%DEV	1.2
		RM%DEV	Too Few

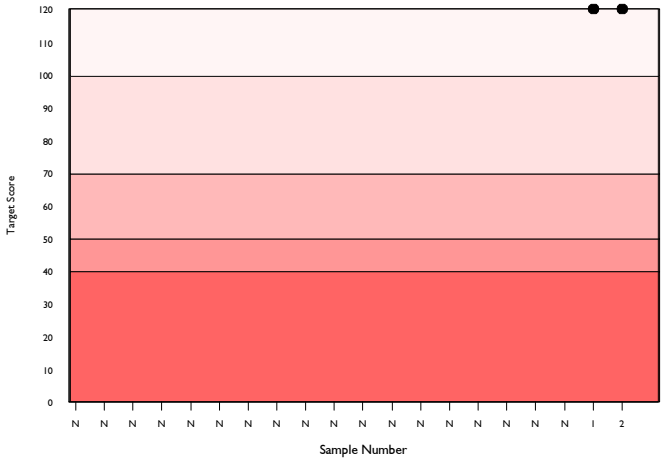
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	8.60%

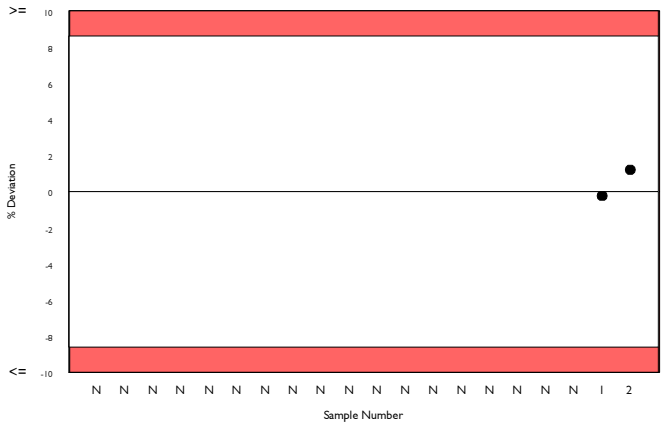


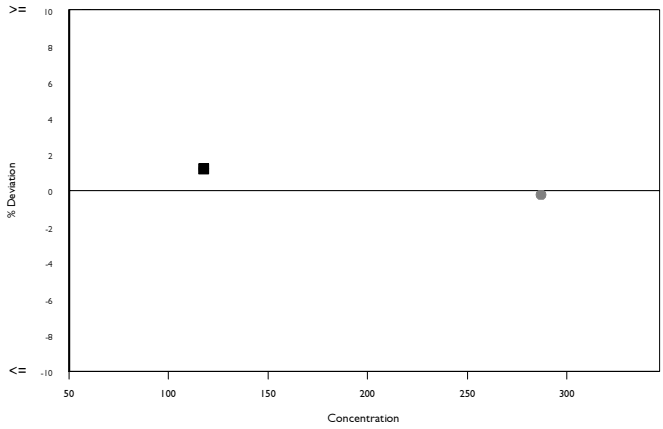
Method	N	Mean	CV%	U_m
Cholesterol Oxidase - Abell Kendall	3367	117.521	3.8	0.10
Cholesterol Oxidase - IDMS	691	117.627	3.3	0.18
Ortho Vitros MicroSlide Systems	221	111.478	3.6	0.33
Siemens Dimension	225	115.710	3.3	0.32
Cholesterol Dehydrogenase	113	118.825	5.2	0.72
Agappe - CHOD-PAP	58	117.366	4.7	0.90
Other Dry Chemistry	50	113.959	5.2	1.05
Abbott Alinity Cholesterol 2	38	117.634	2.0	0.48
Abbott Architect Cholesterol 2	39	117.727	2.4	0.57
Dimension - non Siemens reagents	5	115.243	5.9	3.79



TDPA = 8.6%







RIQAS

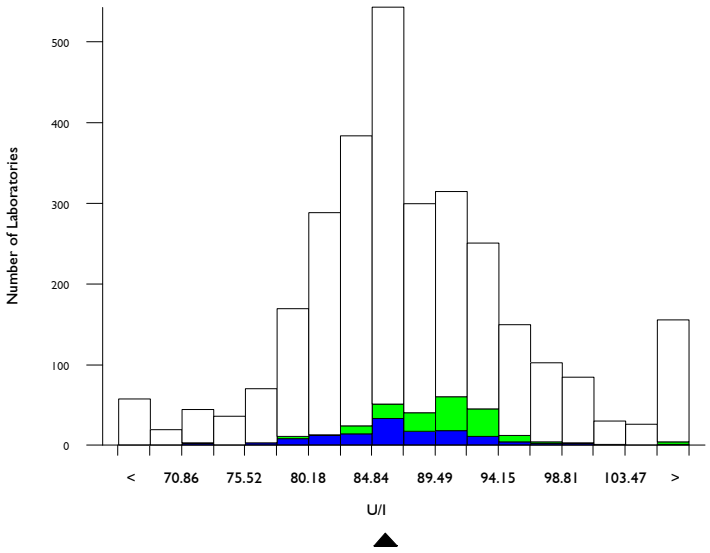
UKAS PROFICIENCY TESTING 0010

CK, Total, U/l @ 37°C

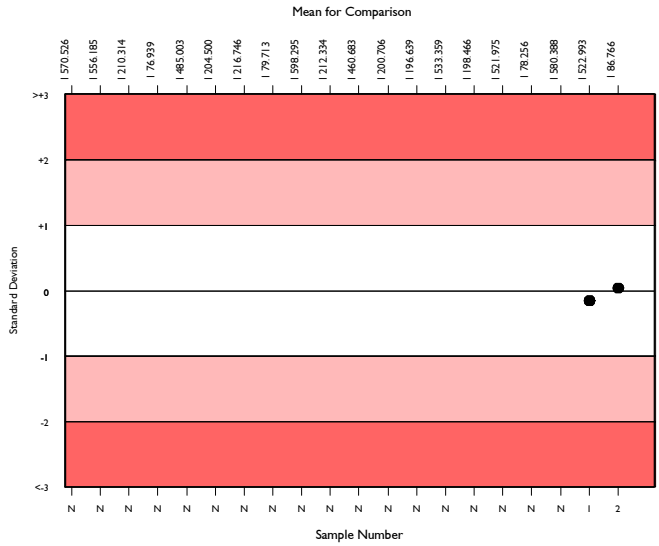
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	2771	87.169	7.1	0.15	6.36	247
Abbott CK-NAC (IFCC)	256	88.424	4.5	0.31	6.45	18
Abbott Architect c systems	119	86.766	4.9	0.49	6.33	9

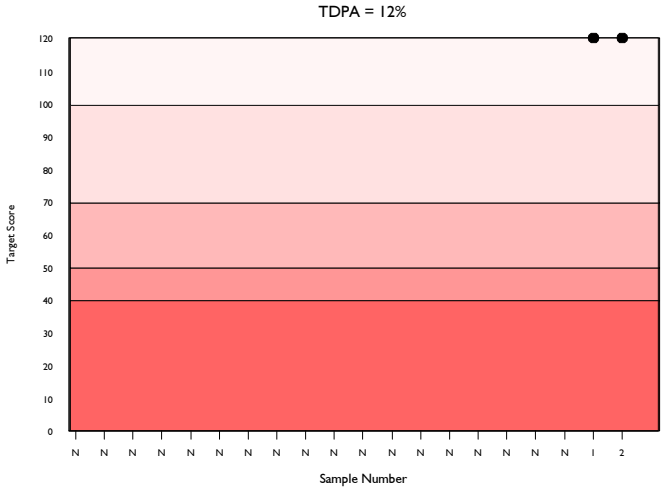
Your Result	87.000	SDI	0.04
		RMSDI	Too Few
Mean for Comparison	86.766	TS	120
		RMTS	Too Few
		%DEV	0.3
		RM%DEV	Too Few

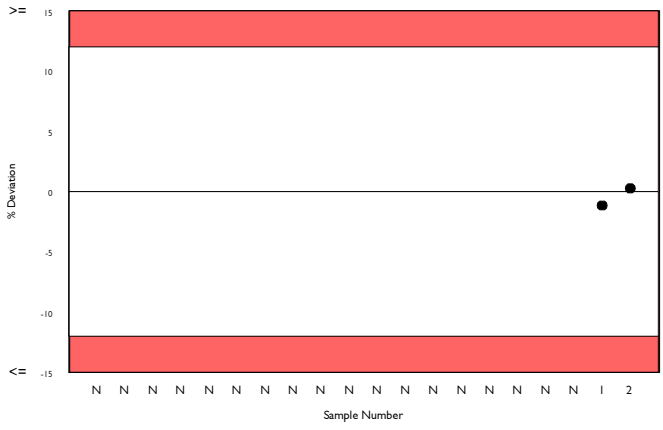
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	12.00%

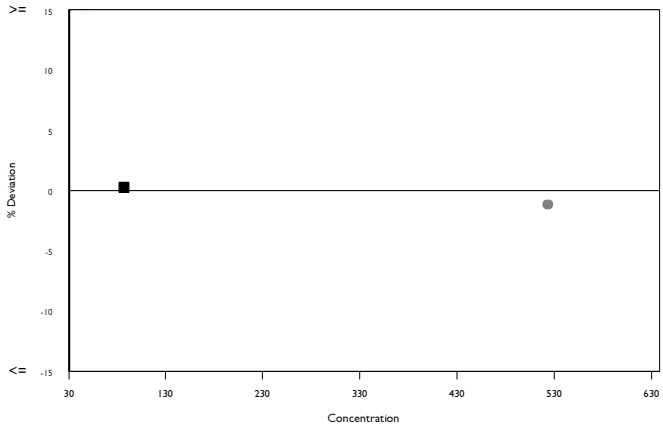


Method	N	Mean	CV%	U_m
CK-NAC (IFCC)	1625	85.432	5.7	0.15
Beckman CK-NAC (IFCC)	332	92.612	4.5	0.29
Abbott CK-NAC (IFCC)	256	88.424	4.5	0.31
Ortho Vitros MicroSlide Systems	149	100.686	8.2	0.85
CK-NAC substrate start (DGKC)	137	85.052	8.8	0.80
CK-NAC serum start (DGKC)	70	85.914	9.2	1.18
Creatine phosphate substrate start	70	84.333	7.2	0.90
Monothioglycerol	50	91.522	5.4	0.87
Agappe - IFCC/KINETIC	29	87.190	6.2	1.26
Other Dry Chemistry	23	168.217	5.0	2.20
Dithioerythritol (DTE), IFCC correlated	9	77.200	15.0	4.82
Beckman CK-NAC (Extinction Coeff)	7	88.629	8.5	3.54









RIQAS

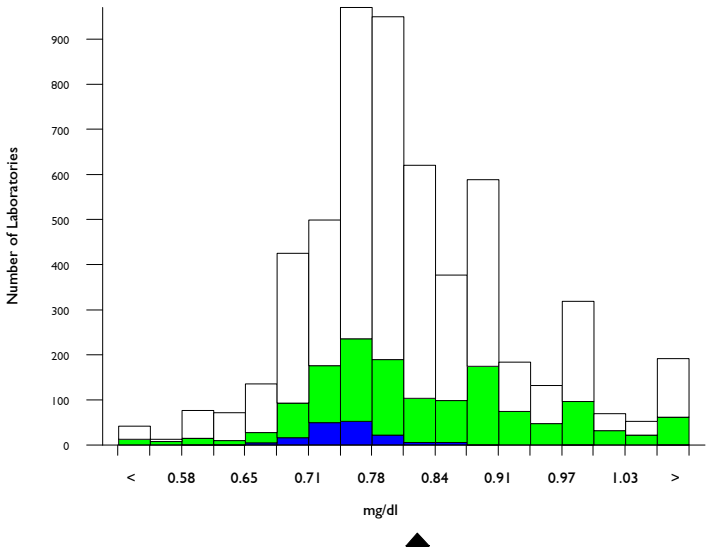
UKAS PROFICIENCY TESTING 0010

Creatinine, mg/dl

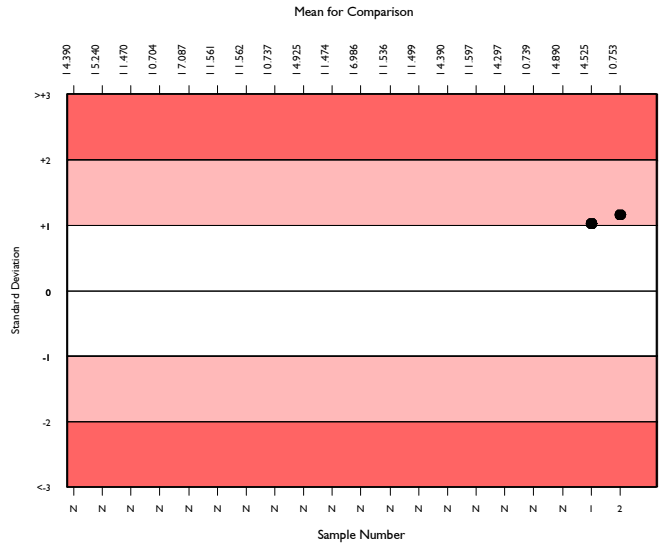
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	5327	0.814	10.6	0.00	0.06	395
Alkaline picrate no deproteinisation	1379	0.827	11.5	0.00	0.06	105
Abbott Architect c systems	148	0.753	4.1	0.00	0.06	17

▲ Your Result	0.820	SDI	1.16
		RMSDI	Too Few
Mean for Comparison	0.753	TS	65
		RMTS	Too Few
		%DEV	8.9
		RM%DEV	Too Few

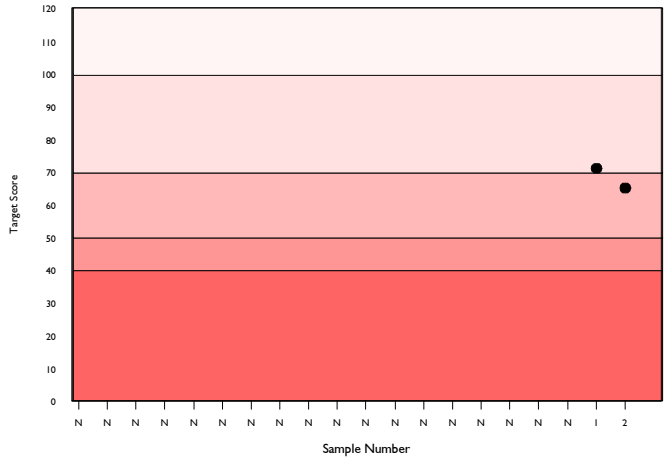
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	12.60%

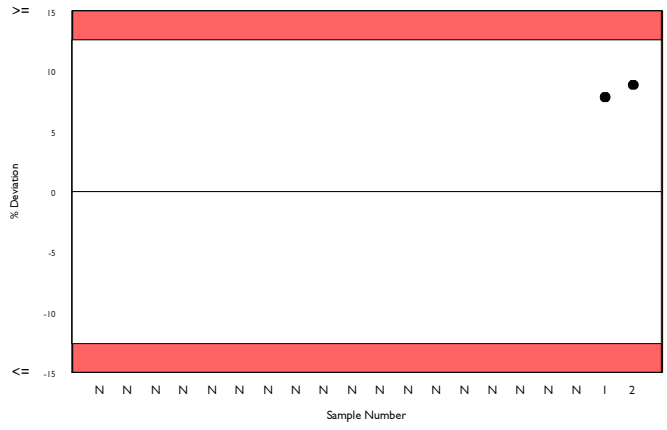


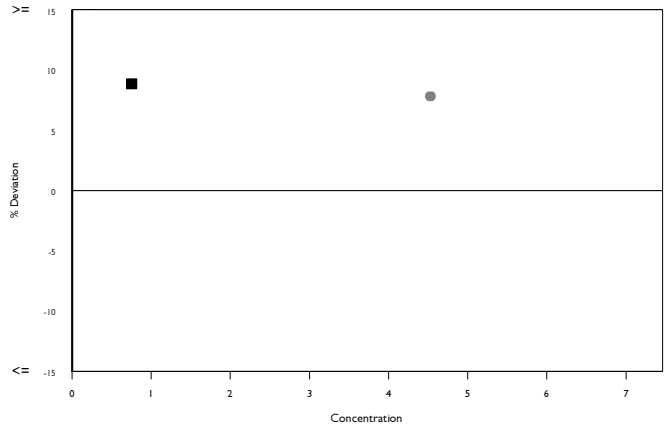
Method	N	Mean	CV%	U_m
Alkaline picrate no deproteinisation	1379	0.827	11.5	0.00
Jaffe rate blanked	1070	0.898	10.5	0.00
Jaffe rate blanked comp. (-26umol/l)	662	0.780	5.2	0.00
Jaffe rate comp. (-18umol/l)	305	0.777	6.4	0.00
Roche Creatinine Plus	307	0.809	3.9	0.00
Enzymatic UV method (340nm)	292	0.799	5.4	0.00
IDMS traceable	264	0.775	8.3	0.00
Other enzymatic methods	262	0.790	6.5	0.00
Creatinine PAP method	202	0.803	4.8	0.00
Vitros, IDMS traceable	163	0.680	5.3	0.00
Alkaline picrate with deproteinisation	92	0.814	11.9	0.01
Other Dry Chemistry	75	0.696	6.9	0.01
Agappe - JAFFE'S KINETIC	45	0.834	9.1	0.01
Jaffe rate blanked comp. (-33umol/l)	42	0.872	10.1	0.02
Vitros DT60/DT60 II/DTSC II	39	0.668	6.1	0.01
Abbott Architect Creatinine 2	30	0.763	3.6	0.01
Abbott Alinity Creatinine 2	21	0.766	4.3	0.01
Agappe - ENZYMATIC	17	0.789	10.2	0.02



TDPA = 12.6%







RIQAS

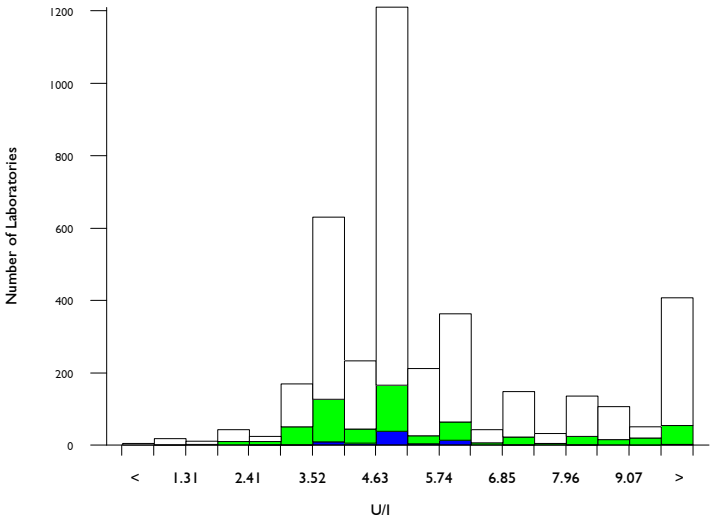
UKAS PROFICIENCY TESTING 0010

GGT, U/l @ 37°C

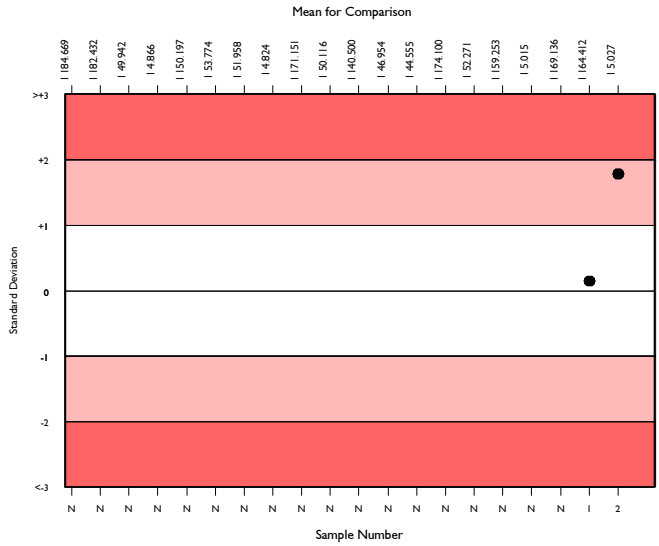
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	3419	5.192	28.5	0.03	0.57	586
Gamma glut.-3-carb.-4-nitro.	581	4.970	30.3	0.08	0.54	79
Abbott Architect c systems	71	5.027	12.3	0.09	0.55	7

▲ Your Result	6.000	SDI	1.78
		RMSDI	Too Few
Mean for Comparison	5.027	TS	47
		RMTS	Too Few
		%DEV	19.4
		RM%DEV	Too Few

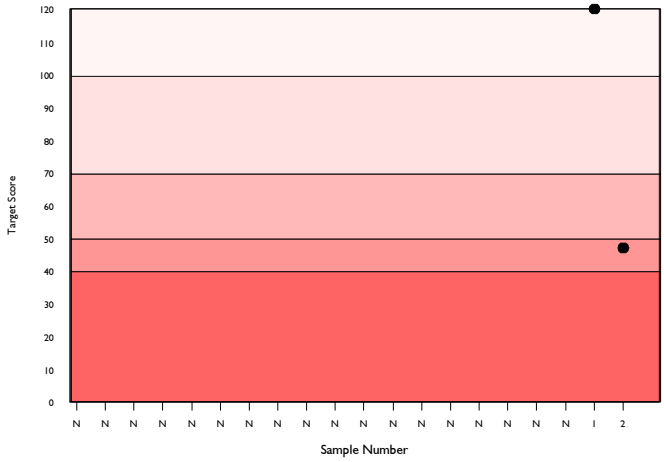
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	17.90%
TS & %DEV outside limits	

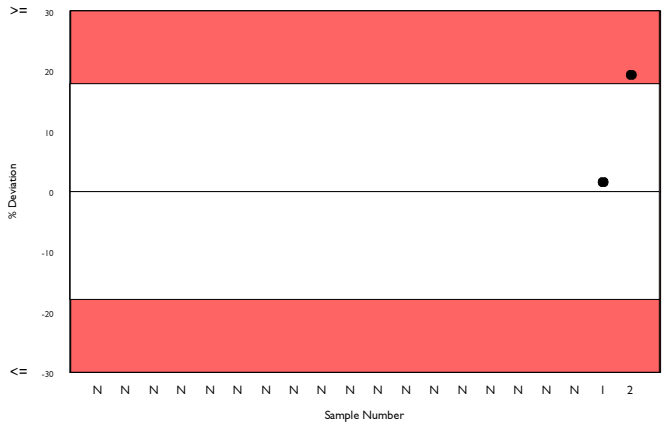


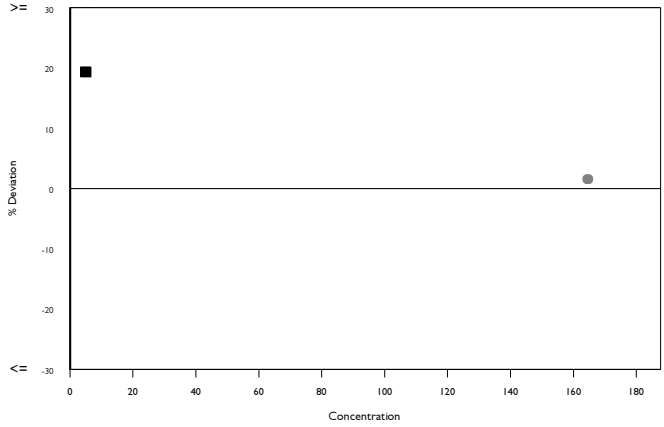
Method	N	Mean	CV%	U_m
Gamma glut'3-carb'4-nitro(IFCC)	2293	4.999	23.2	0.03
Gamma glut.-3-carb.-4-nitro.	581	4.970	30.3	0.08
Siemens Dimension	164	10.050	19.3	0.19
Ortho Vitros MicroSlide Systems	97	8.617	22.5	0.25
Gamma glutamyl-4-nitroanilide	71	5.093	21.7	0.16
DCL, gamma glut.-3-carb.-4-nitro.	57	4.811	13.7	0.11
Beckman Szasz (Extinction Coeff.)	48	4.920	12.5	0.11
Other Dry Chemistry	30	6.955	34.6	0.55
Abbott Alinity GGT 2	39	4.861	14.2	0.14
Agappe - SZASZ KINETIC	39	4.849	10.0	0.10
Abbott Architect GGT 2	16	4.800	8.3	0.13
Randox Colorimetric	4	4.153	26.0	0.67
Vitros, DT60/DT60 II/DTSC II	3	7.167	28.2	1.46



TDPA = 17.9%







RIQAS

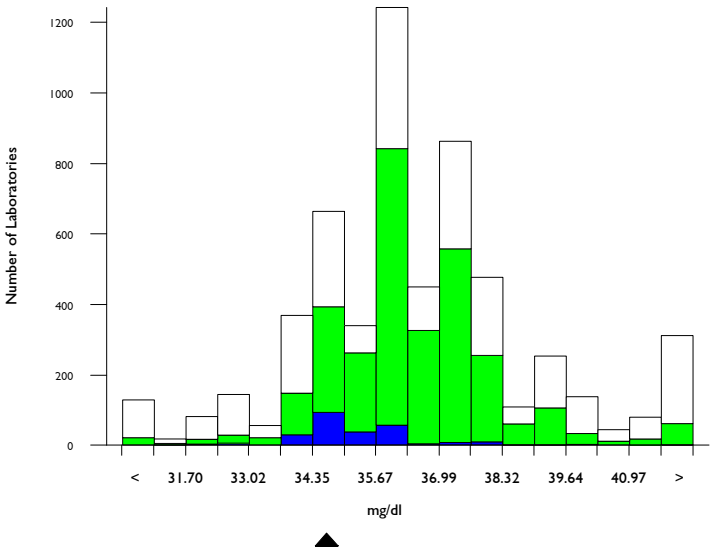
UKAS PROFICIENCY TESTING 0010

Glucose, mg/dl

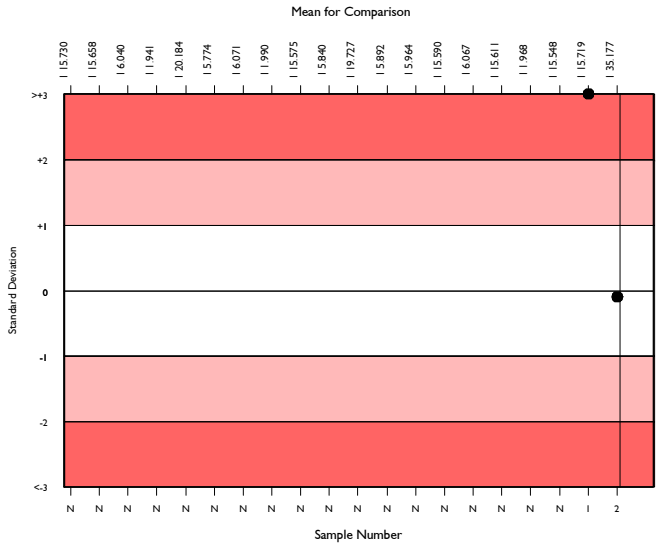
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	5296	36.337	4.9	0.03	1.88	473
Hexokinase	2962	36.298	3.4	0.03	1.88	205
Abbott Architect c systems	226	35.177	2.0	0.06	1.82	28

▲ Your Result	35.000	SDI	-0.10
		RMSDI	Too Few
Mean for Comparison	35.177	TS	120
		RMTS	Too Few
		%DEV	-0.5
		RM%DEV	Too Few

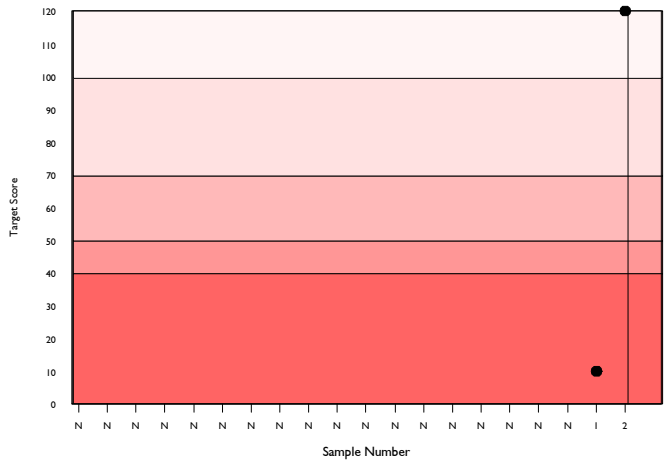
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	8.50%

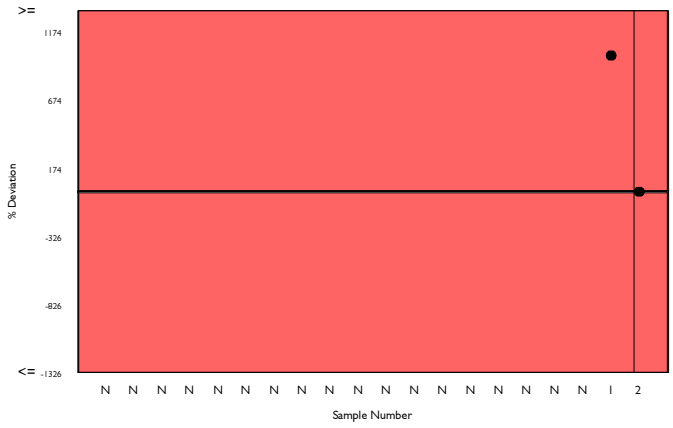


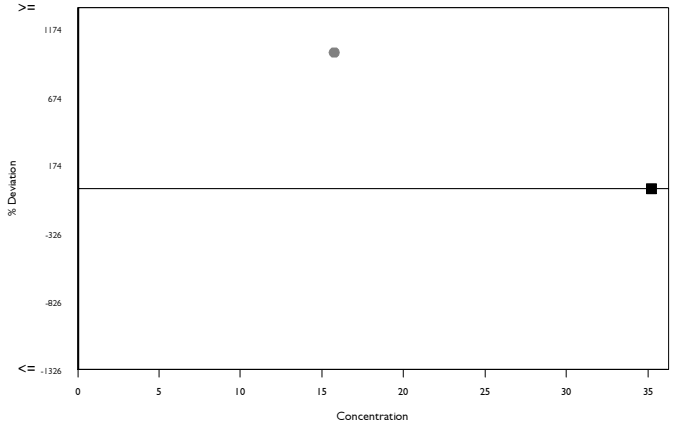
Method	N	Mean	CV%	U_m
Hexokinase	2962	36.298	3.4	0.03
Glucose oxidase	1938	36.643	7.0	0.07
Ortho Vitros MicroSlide Systems	227	34.395	5.1	0.14
Agappe - GOD-PAP	56	37.669	5.7	0.36
Glucose dehydrogenase	48	36.863	5.8	0.38
Other Dry Chemistry	49	36.122	4.6	0.29
GOD/02-Beckman method	22	37.766	3.9	0.40
Oxygen electrode	10	36.050	3.7	0.52
Pyranose Oxidase / Peroxidase	4	39.425	6.4	1.58
Vitros, DT60/DT60 II	2	40.250	9.7	3.44



TDPA = 8.5%







RIQAS

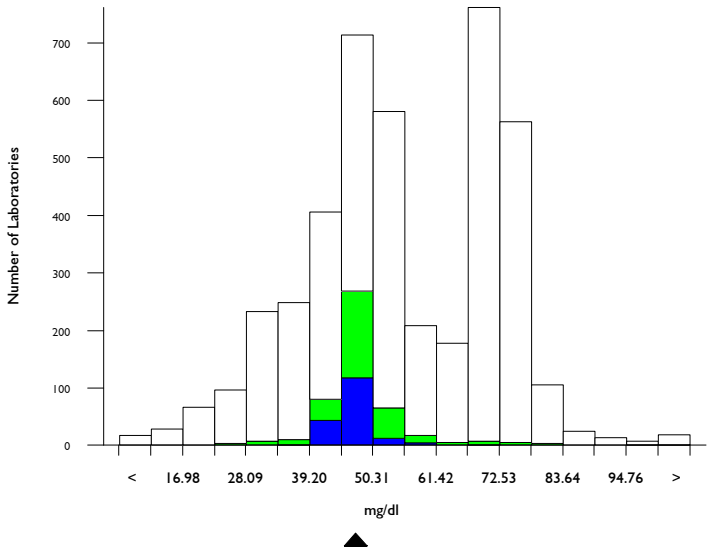
UKAS PROFICIENCY TESTING 0010

HDL-Cholesterol, mg/dl

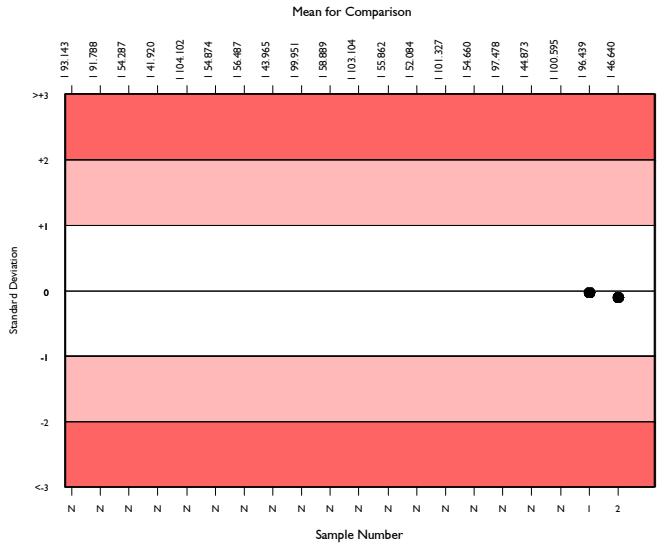
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	4099	55.871	26.5	0.29	7.17	161
HDL Ultra/Accel Selective Detergent	417	47.304	6.6	0.19	6.07	55
Abbott Architect c systems	164	46.640	5.1	0.23	5.98	14

Your Result	46.000	SDI	-0.11
		RMSDI	Too Few
Mean for Comparison	46.640	TS	120
		RMTS	Too Few
		%DEV	-1.4
		RM%DEV	Too Few

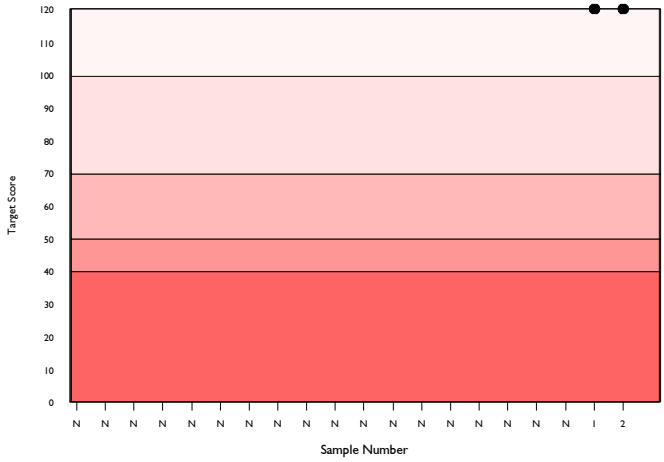
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	21.10%

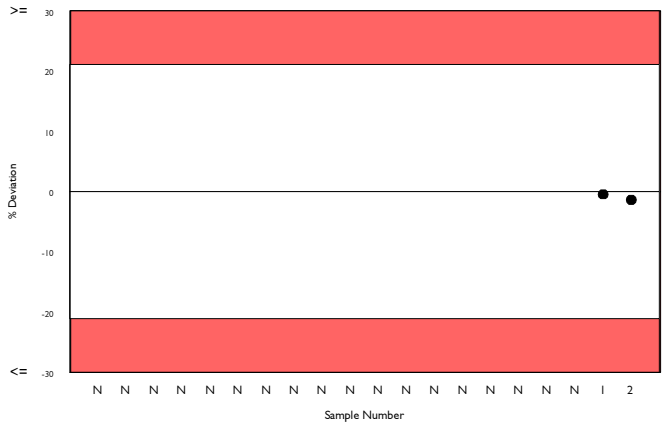


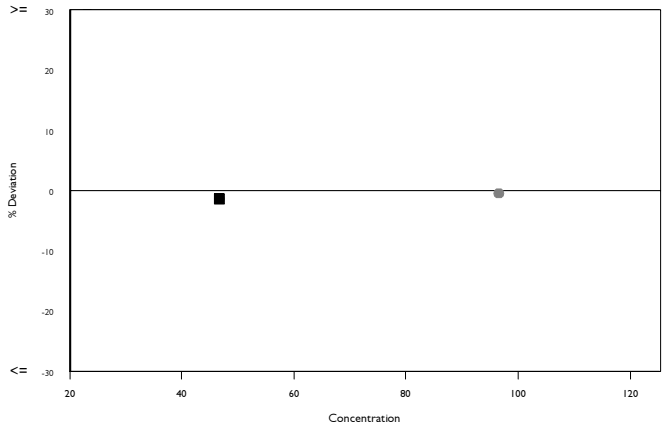
Method	N	Mean	CV%	U_m
Direct HDL, Roche 4th gen.	1107	71.272	4.2	0.11
Direct HDL, Clearance method	853	39.620	24.4	0.41
Direct HDL, Immunoseparation	538	50.474	12.8	0.35
HDL Ultra/Accel Selective Detergent	417	47.304	6.6	0.19
Direct HDL, PEGME	407	56.851	36.2	1.27
Direct HDL, PPD	296	55.865	21.9	0.89
Vitros dHDL, PTA/MgCl2 direct precip.	163	50.019	6.4	0.31
Other Dry Chemistry	68	69.360	28.9	3.04
Agappe - SELECTIVE INHIBITION	48	64.907	8.8	1.02
Vitros, Magnetic HDL	22	49.807	6.0	0.80
Vitros 5.1 FS Microtip assay	9	48.162	6.6	1.32



TDPA = 21.1%







RIQAS

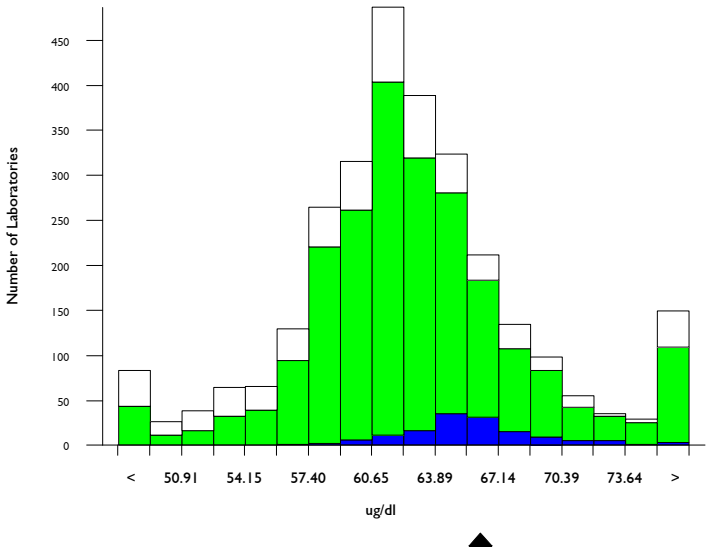
UKAS PROFICIENCY TESTING 0010

Iron, ug/dl

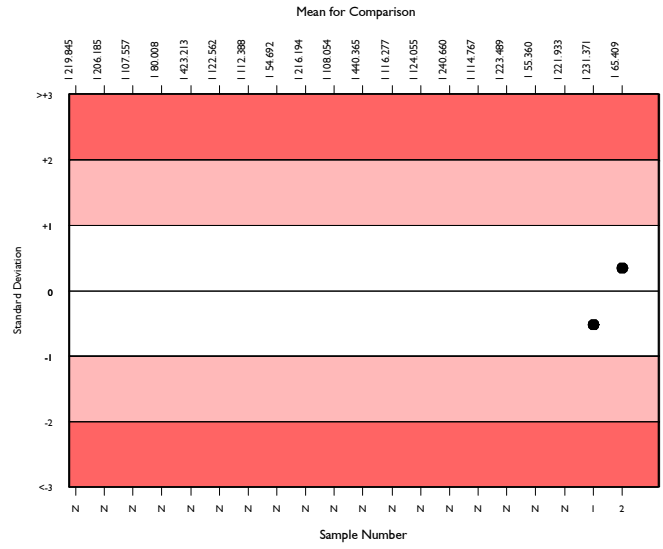
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	2625	62.276	7.0	0.11	3.79	267
Colorimetric without ppt.	2105	62.551	6.3	0.11	3.80	194
Abbott Architect c systems	128	65.409	4.1	0.29	3.98	12

Your Result	66.770	SDI	0.34
		RMSDI	Too Few
Mean for Comparison	65.409	TS	118
		RMTS	Too Few
		%DEV	2.1
		RM%DEV	Too Few

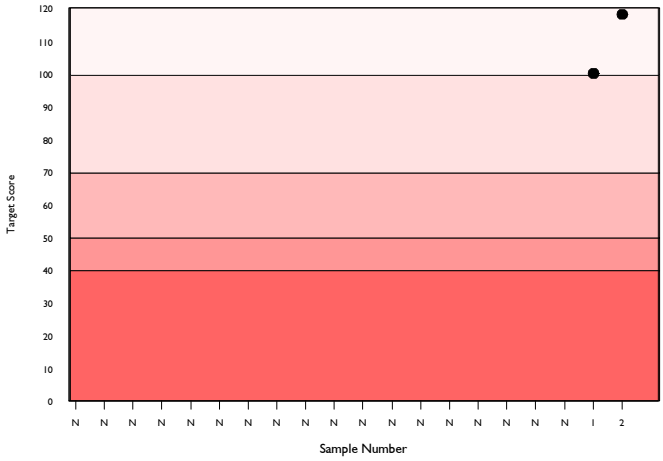
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	10.00%

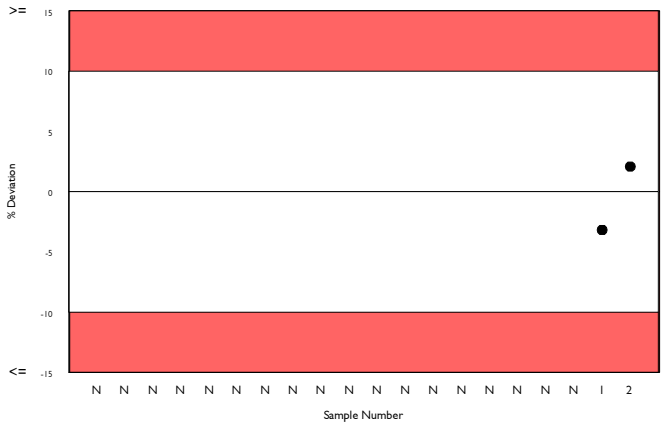


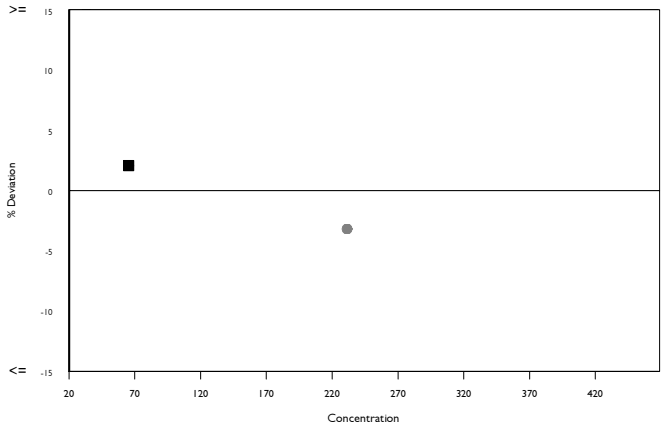
Method	N	Mean	CV%	U_m
Colorimetric without ppt.	2105	62.551	6.3	0.11
Colorimetric with ppt.	295	62.228	6.6	0.30
Ortho Vitros MicroSlide Systems	144	54.208	9.3	0.52
Other method with blank	25	61.340	7.6	1.16
Abbott Alinity Iron 2	17	63.777	4.2	0.82
Other method without blank	11	64.897	6.2	1.51
Other Dry Chemistry	12	62.807	4.9	1.12
Abbott Architect Iron 2	10	65.988	3.0	0.77
Agappe - CHROMAZUROL	5	166.702	26.4	24.62
Optical Emission Spectroscopy	5	57.110	10.1	3.23



TDPA = 10%







RIQAS

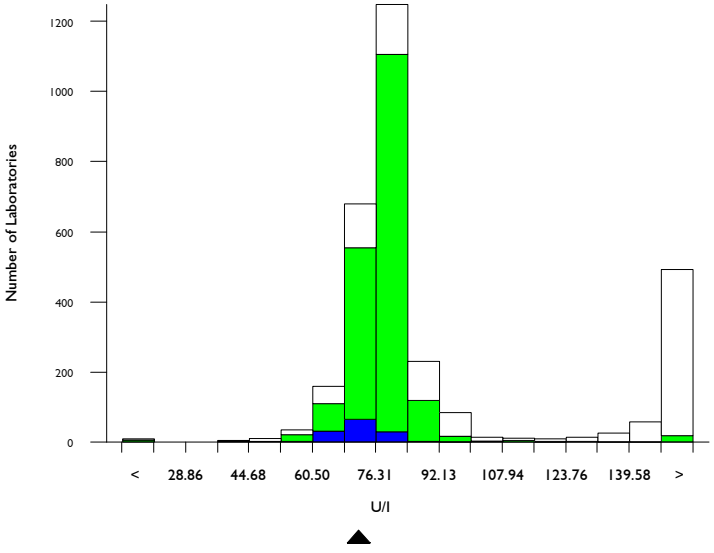
UKAS PROFICIENCY TESTING 0010

LD (LDH), U/l @ 37°C

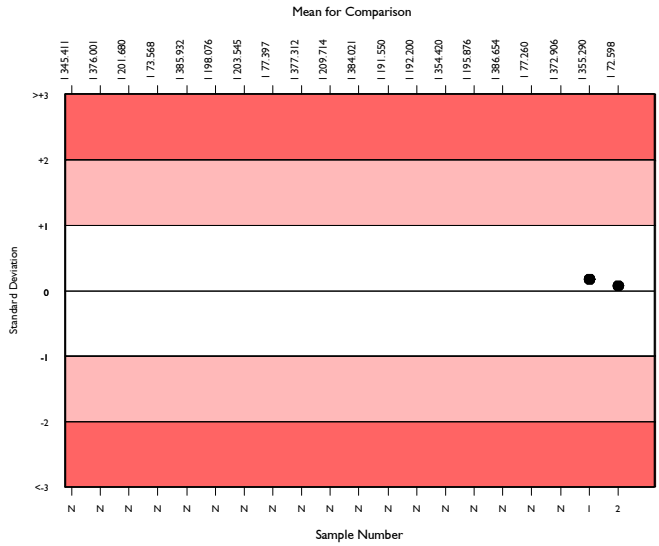
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	2711	84.225	25.0	0.51	6.55	372
L to P, IFCC	1791	77.765	5.6	0.13	6.05	179
Abbott Architect c systems	124	72.598	6.8	0.56	5.65	8

▲ Your Result	73.000	SDI	0.07
		RMSDI	Too Few
Mean for Comparison	72.598	TS	120
		RMTS	Too Few
		%DEV	0.6
		RM%DEV	Too Few

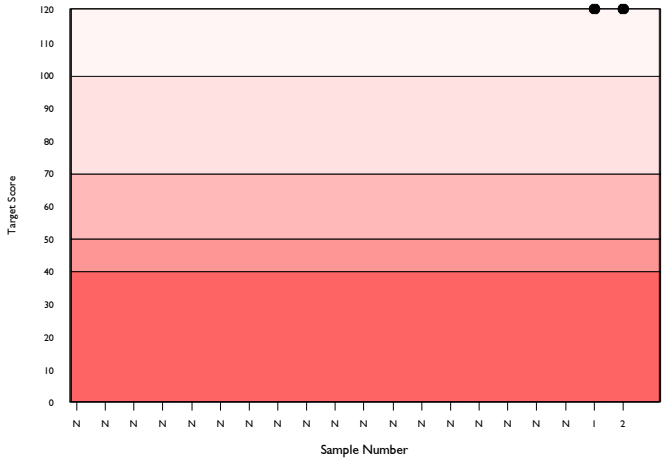
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	12.80%

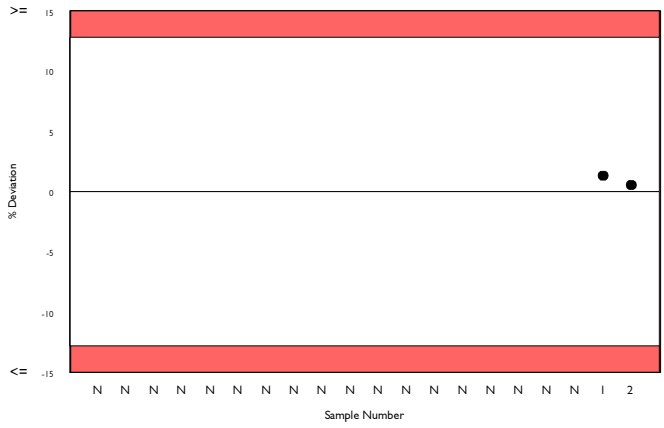


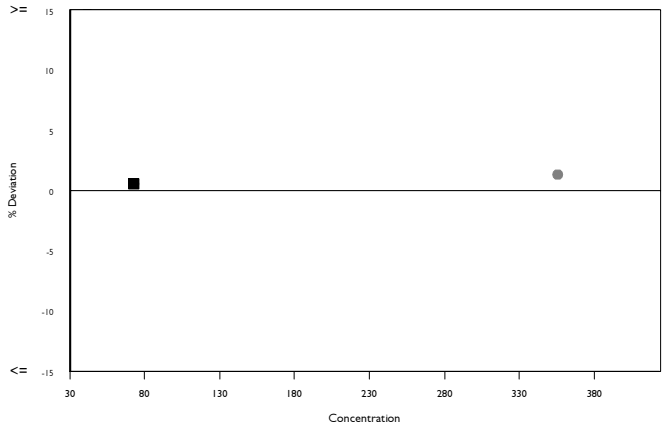
Method	N	Mean	CV%	U_m
L to P, IFCC	1791	77.765	5.6	0.13
P to L, German methods	282	156.365	8.2	0.96
Lactate to Pyruvate methods	193	76.264	11.0	0.75
Ortho Vitros IFCC Traceable	115	91.561	4.5	0.48
P to L, Scandinavian & Dutch	101	161.416	6.6	1.33
P to L, SFBC / SEQC	72	160.266	8.4	1.99
L to P Siemens/Dade, Non-IFCC	55	74.582	7.2	0.91
Agappe - SCE	32	158.997	3.0	1.06
Ortho Vitros MicroSlide Systems	34	91.759	5.4	1.06
L to P Beckman (Extinction Coeff)	30	75.498	7.6	1.31
Other Dry Chemistry	26	68.942	5.4	0.91
Abbott Alinity LD 2	17	73.885	9.0	2.01
Abbott Architect LD 2	8	74.375	2.8	0.91
Pyruvate 1.4 mM - Beckman LD-P	4	177.325	18.9	20.89



TDPA = 12.8%







RIQAS

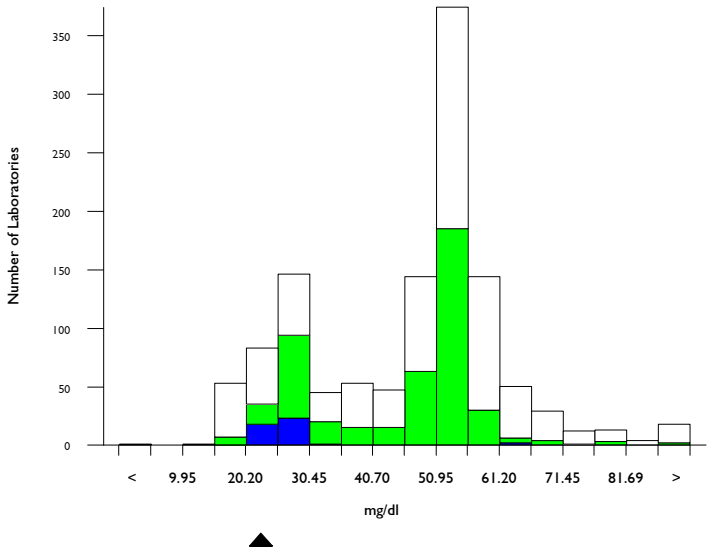
UKAS PROFICIENCY TESTING 0010

LDL-Cholesterol (Pilot), mg/dl

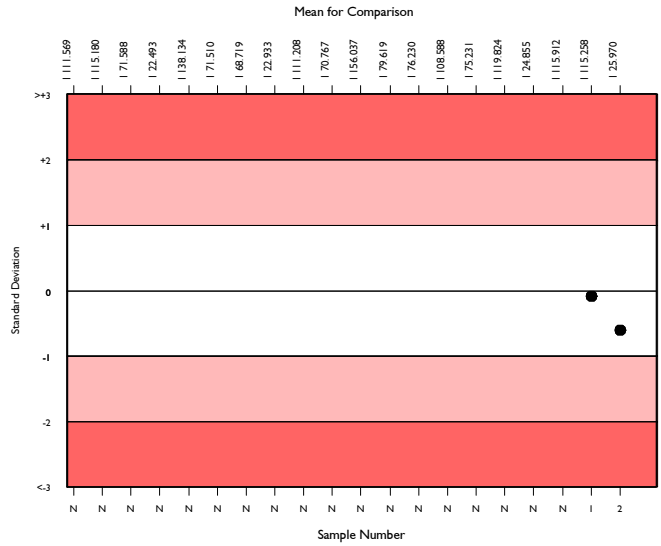
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	1166	45.828	29.8	0.50	5.74	75
Selective detergent methods	467	43.655	28.4	0.72	5.47	16
Abbott Architect c systems	39	25.970	6.9	0.36	3.25	6

Your Result	24.000	SDI	-0.61
		RMSDI	Too Few
Mean for Comparison	25.970	TS	93
		RMTS	Too Few
		%DEV	-7.6
		RM%DEV	Too Few

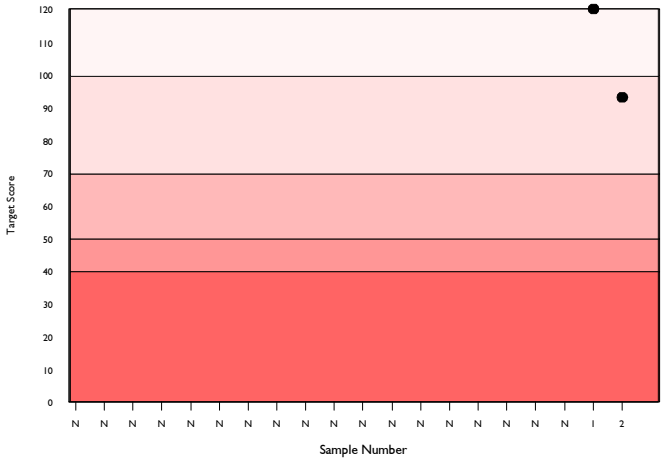
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	20.60%

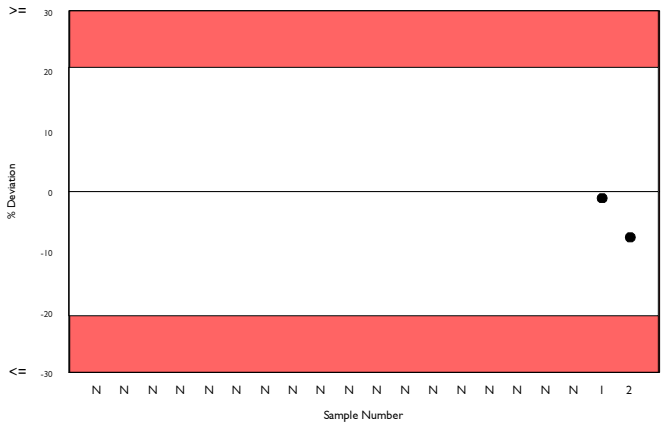


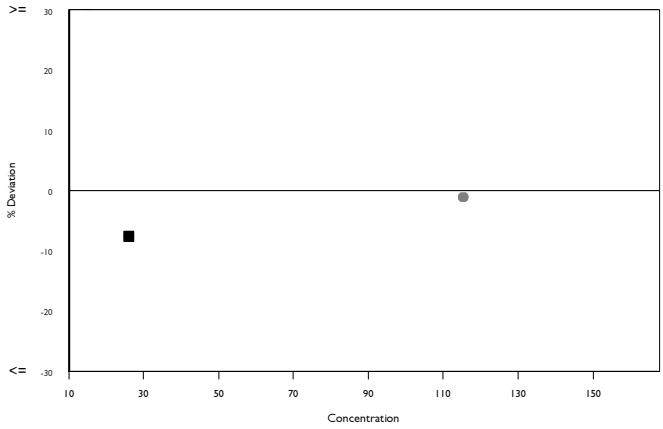
Method	N	Mean	CV%	U_m
Selective detergent methods	467	43.655	28.4	0.72
Other direct methods	414	43.480	33.3	0.89
Sel.detergent Beckman OSR6x83	108	56.665	6.6	0.45
Calculated	108	53.510	26.4	1.70
Sel.detergent Beckman OSR6x96	24	32.389	50.1	4.14
Ortho Vitros MicroSlide Systems	10	41.190	26.8	4.35
Agappe - SELECTIVE SOLUBILISATION	11	55.908	9.4	1.97
Other Dry Chemistry	7	41.369	31.8	6.22
Polyvinyl Sulphate Precipitation	6	60.745	17.1	5.31
Other Precipitation methods	4	55.308	3.9	1.36
Heparin precipitation	3	49.533	22.2	7.92
Zwitterionic Detergent	2	51.923	4.2	1.92



TDPA = 20.6%







RIQAS

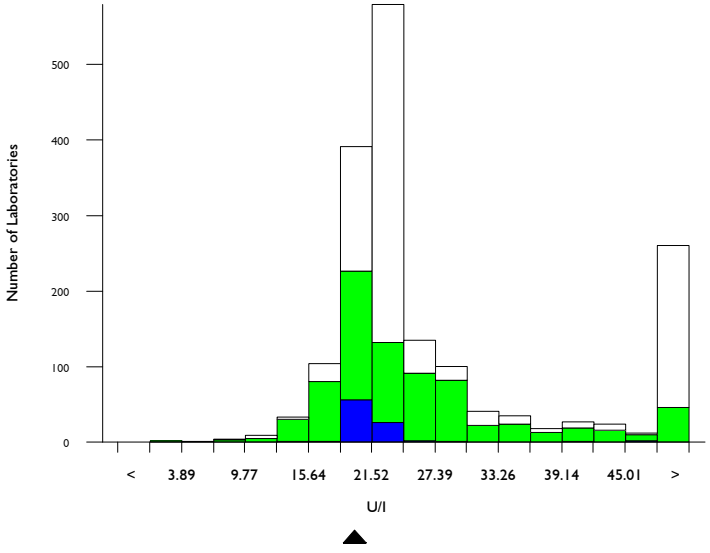
UKAS PROFICIENCY TESTING 0010

Lipase, U/l @ 37°C

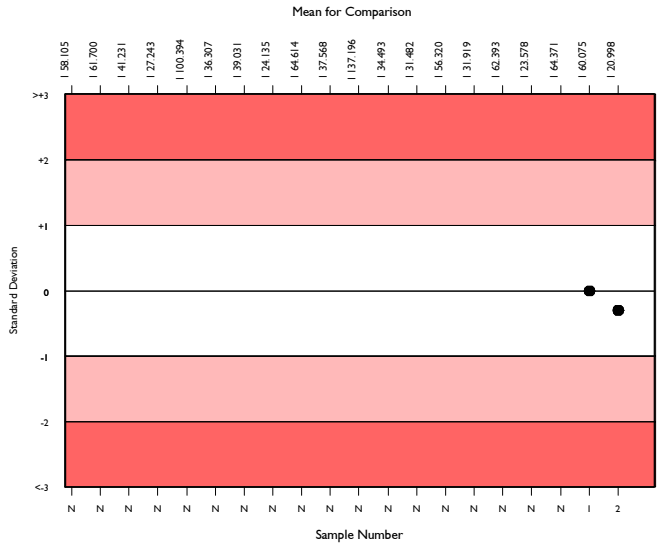
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	1551	24.458	32.0	0.25	3.82	224
Other Colorimetric	728	23.414	25.6	0.28	3.66	74
Abbott Architect c systems	81	20.998	5.0	0.15	3.28	9

▲ Your Result	20.000	SDI	-0.30
		RMSDI	Too Few
Mean for Comparison	20.998	TS	120
		RMTS	Too Few
		%DEV	-4.8
		RM%DEV	Too Few

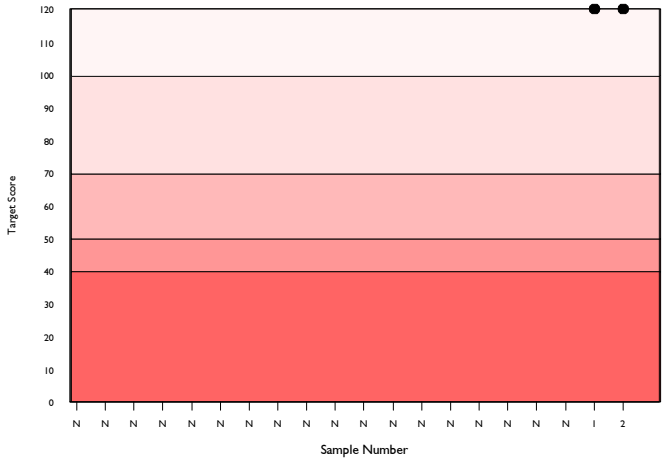
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	25.70%

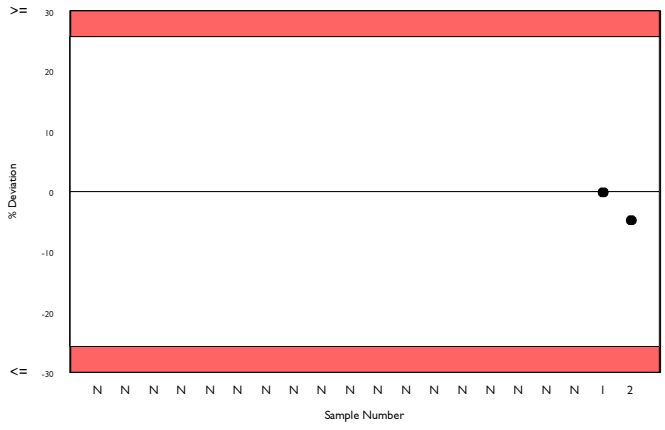


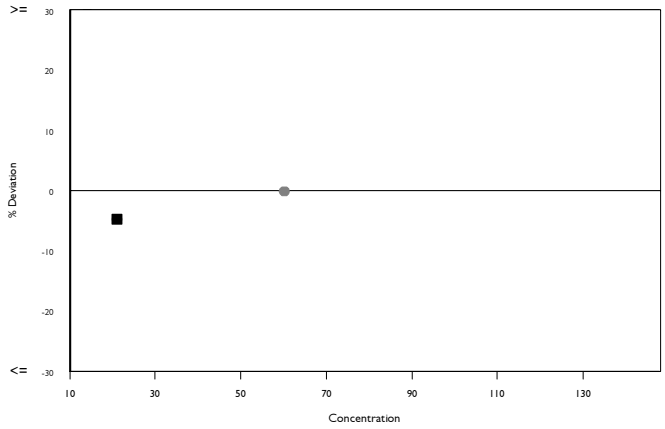
Method	N	Mean	CV%	U_m
Other Colorimetric	728	23.414	25.6	0.28
Colorimetric Roche ACN(8)731/ID 0-100	327	22.208	4.7	0.07
Colorimetric Roche ACN(8)789/ID 0-052	203	22.356	5.1	0.10
Ortho Vitros MicroSlide Systems	126	287.155	5.2	1.66
Colorimetric Dade Dimension (LIPL Kit)	61	79.460	13.5	1.72
Roche Turbidimetric with colipase	49	21.924	7.1	0.28
Colorimetric Randox	28	30.218	21.5	1.54
Other Turbidimetric with colipase	22	21.093	18.3	1.03
Agappe - METHYL RESORUFIN	21	23.044	12.3	0.77
Other Dry Chemistry	14	41.071	7.4	1.01
Turbidimetric without colipase	5	25.500	28.2	4.02
Colorimetric Dade Dimension (LIP Kit)	6	20.683	11.1	1.17
Randox Turbidimetric with colipase	6	23.703	46.9	5.67
Colorimetric Sigma	3	26.233	32.5	6.15
Titrimetric	2	17.950	16.9	2.69



TDPA = 25.7%







RIQAS

UKAS PROFICIENCY TESTING 0010

Lithium, mmol/l

	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	208	0.586	9.1	0.00	0.04	25
Spectrophotometric	122	0.586	6.6	0.00	0.04	17
Abbott Architect c systems	10	0.601	11.3	0.03	0.05a	1

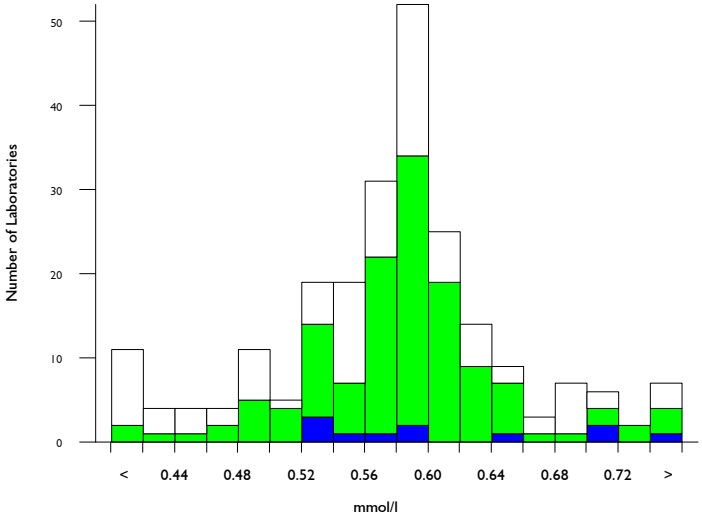
▲ Your Result	1.200	SDI	11.88
		RMSDI	Too Few
Mean for Comparison	0.601	TS	10
		RMTS	Too Few
		%DEV	99.5
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation N/A

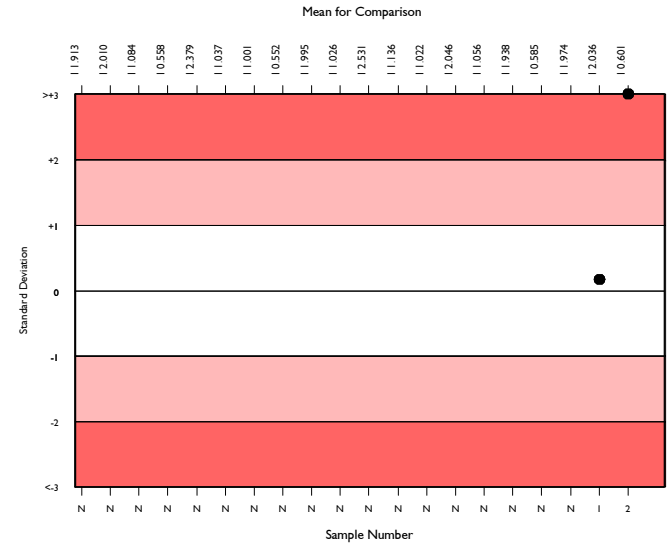
Acceptable limits of performance for RIQAS 11.70%

SDI in bottom 5% of peer group

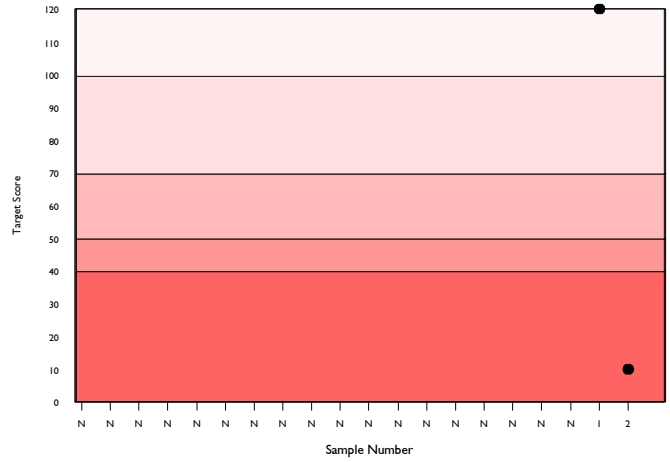
TS & %DEV outside limits

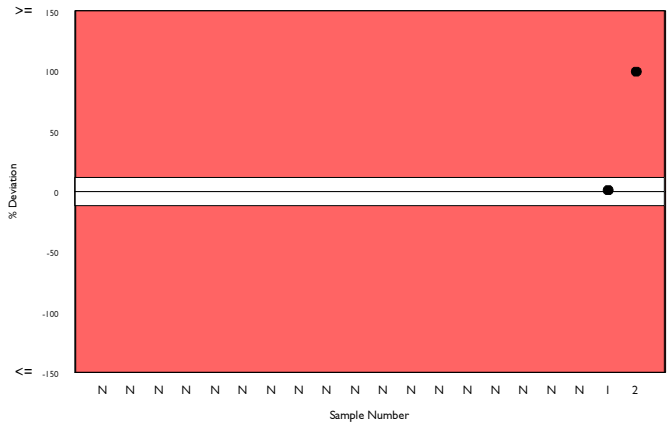


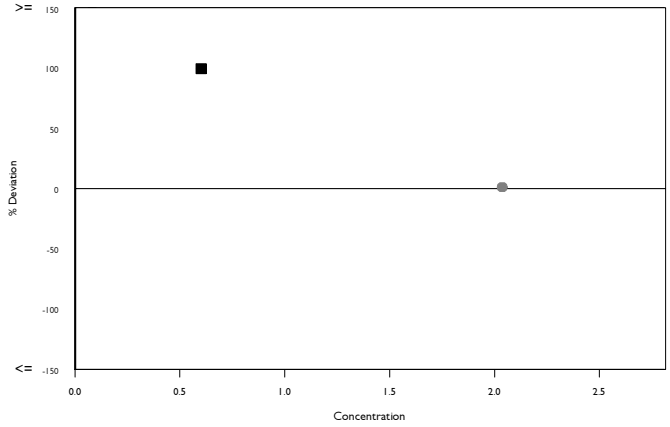
Method	N	Mean	CV%	U_m
Spectrophotometric	122	0.586	6.6	0.00
Ion selective electrode	44	0.553	12.4	0.01
Ortho Vitros MicroSlide Systems	24	0.618	10.1	0.02
Flame photometry	9	0.573	8.6	0.02
Atomic absorption	5	0.530	16.0	0.05
Other Dry Chemistry	2	0.700	16.2	0.10



TDPA = 11.7%







RIQAS

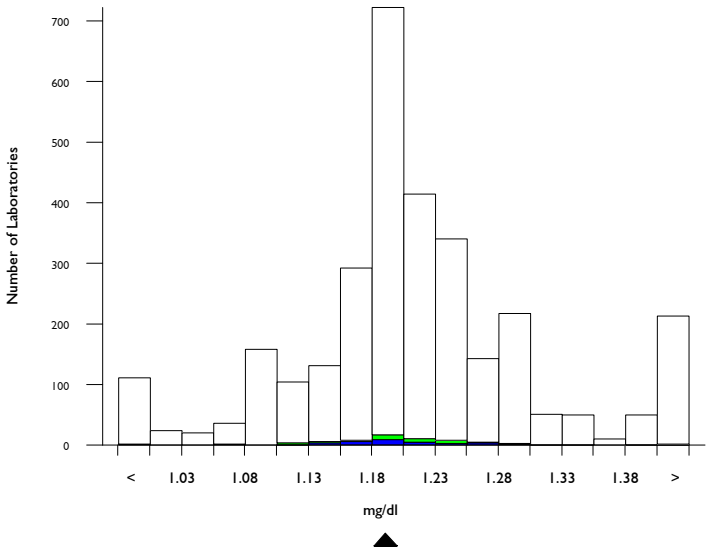
UKAS PROFICIENCY TESTING 0010

Magnesium, mg/dl

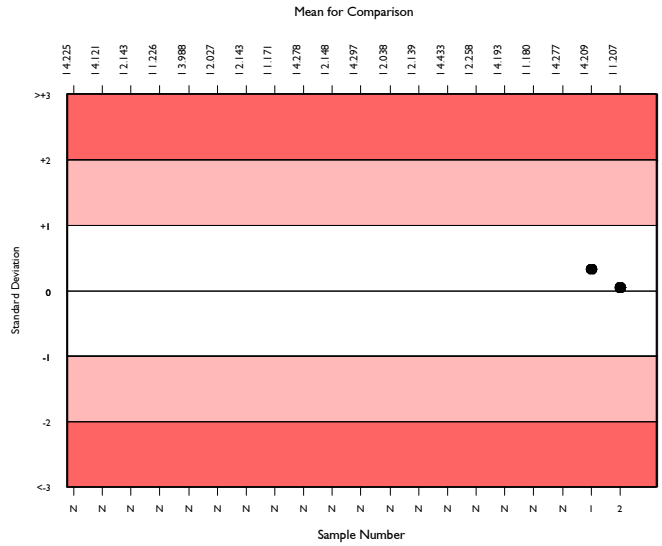
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	2769	1.210	5.6	0.00	0.08	318
Arsenazo	63	1.207	3.9	0.01	0.08	8
Abbott Architect c systems	34	1.207	3.8	0.01	0.08	5

▲ Your Result	1.210	SDI	0.04
		RMSDI	Too Few
Mean for Comparison	1.207	TS	120
		RMTS	Too Few
		%DEV	0.3
		RM%DEV	Too Few

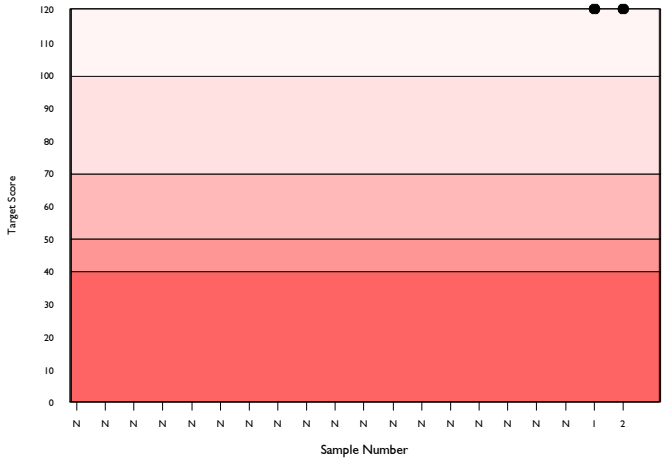
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	11.00%

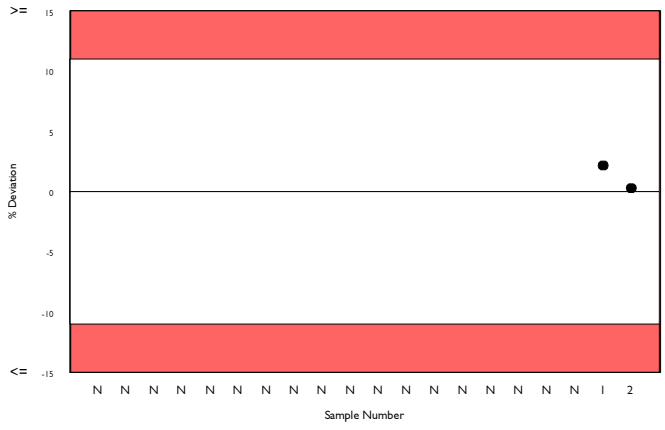


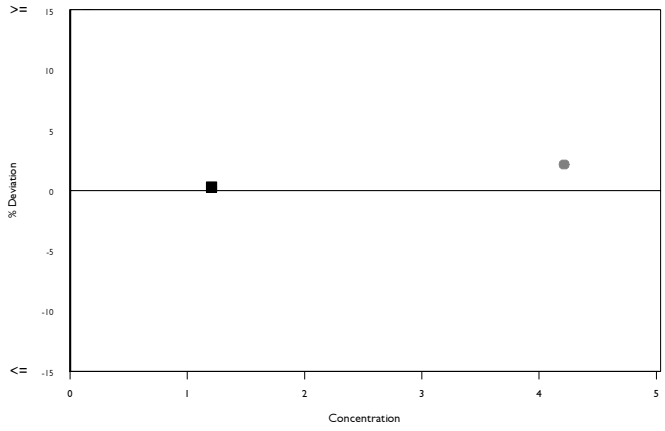
Method	N	Mean	CV%	U_m
Xylidyl Blue	1466	1.212	6.2	0.00
Enzymatic	338	1.216	3.9	0.00
Chlorphosphonazo III	280	1.209	3.2	0.00
Methylthymol blue	213	1.173	6.9	0.01
Ortho Vitros MicroSlide Systems	168	1.218	5.0	0.01
Calmagite	126	1.202	8.3	0.01
Atomic absorption	61	1.183	7.3	0.01
Arsenazo	63	1.207	3.9	0.01
Agappe - XYLIDYL BLUE	30	1.254	9.1	0.03
Other Dry Chemistry	22	1.145	8.4	0.03
Other magnesium dyes	10	1.198	9.7	0.05



TDPA = 11%







RIQAS

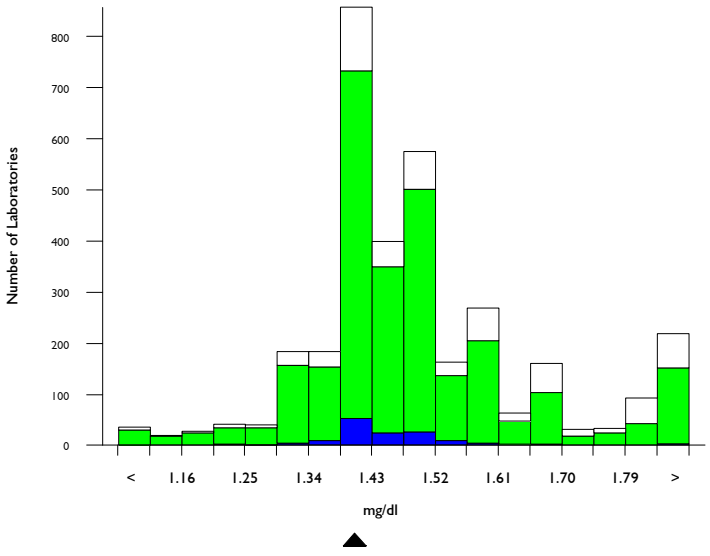
UKAS PROFICIENCY TESTING 0010

Phosphate, Inorganic, mg/dl

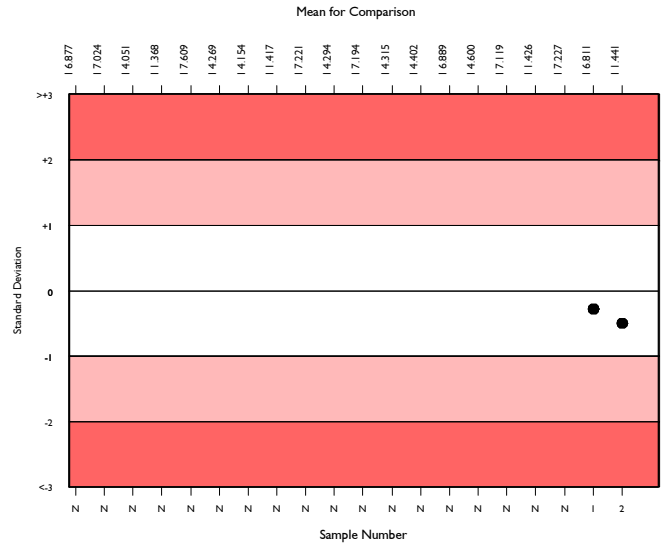
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	3100	1.477	8.2	0.00	0.08	291
Phosphomolybdate UV	2501	1.461	7.1	0.00	0.08	261
Abbott Architect c systems	129	1.441	4.4	0.01	0.08	9

▲ Your Result	1.400	SDI	-0.50
		RMSDI	Too Few
Mean for Comparison	1.441	TS	102
		RMTS	Too Few
		%DEV	-2.9
		RM%DEV	Too Few

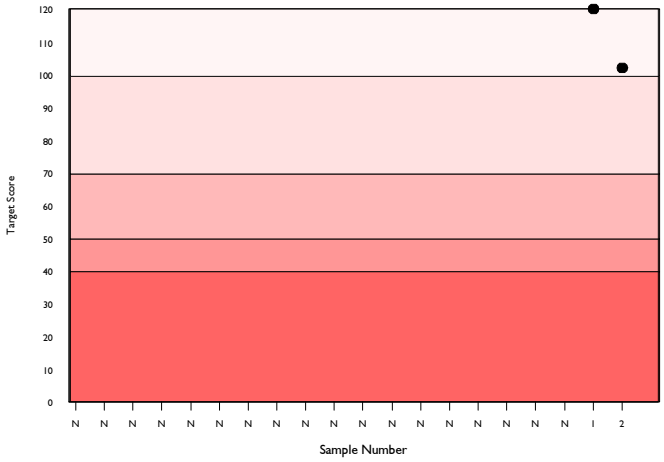
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	9.40%

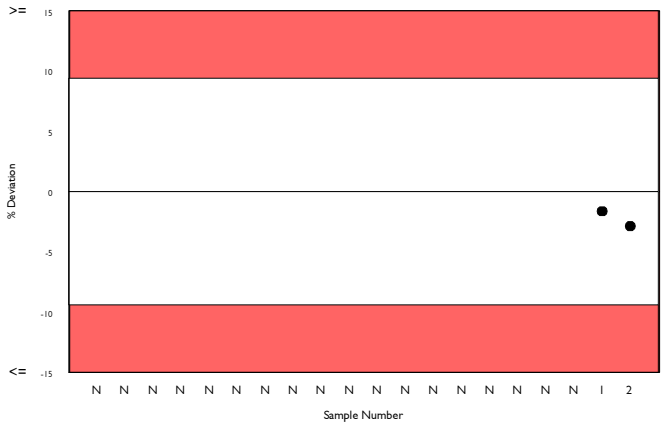


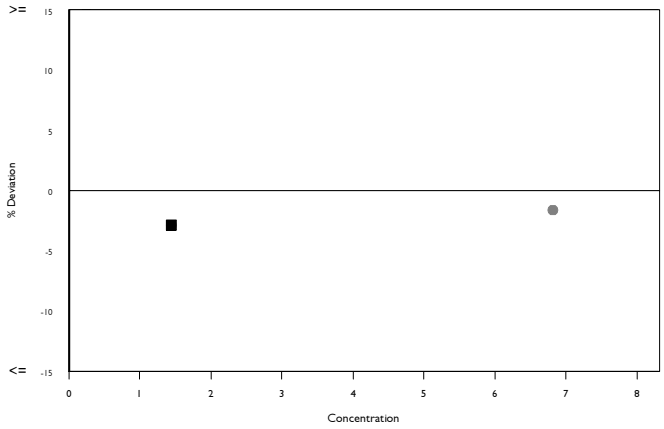
Method	N	Mean	CV%	U_m
Phosphomolybdate UV	2501	1.461	7.1	0.00
Phosphomolybdate enzymatic	279	1.441	5.6	0.01
Ortho Vitros MicroSlide Systems	190	1.754	6.9	0.01
Beckman PHOSm kit (365nm)	44	1.432	4.3	0.01
Agappe - PHOSPOHMOLYBDATE	36	1.567	4.4	0.01
Other Dry Chemistry	16	1.667	5.4	0.03
Other methods, no protein ppt	6	1.728	23.6	0.21
Other methods, with protein ppt	2	1.550	5.5	0.07



TDPA = 9.4%







RIQAS

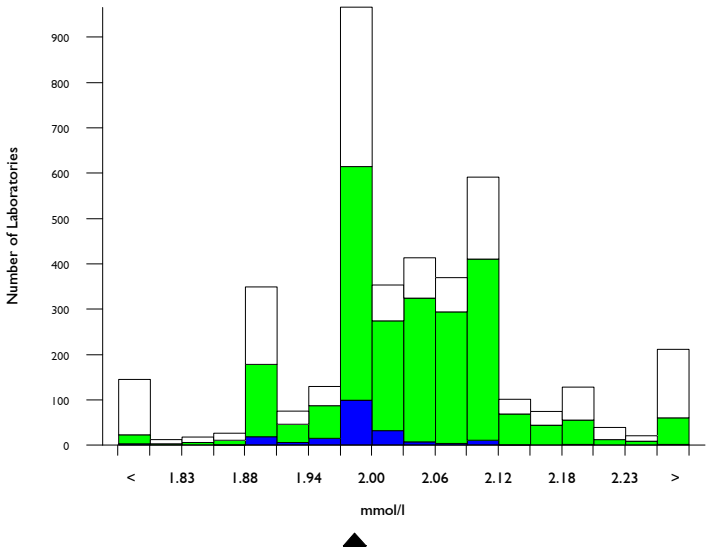
UKAS PROFICIENCY TESTING 0010

Potassium, mmol/l

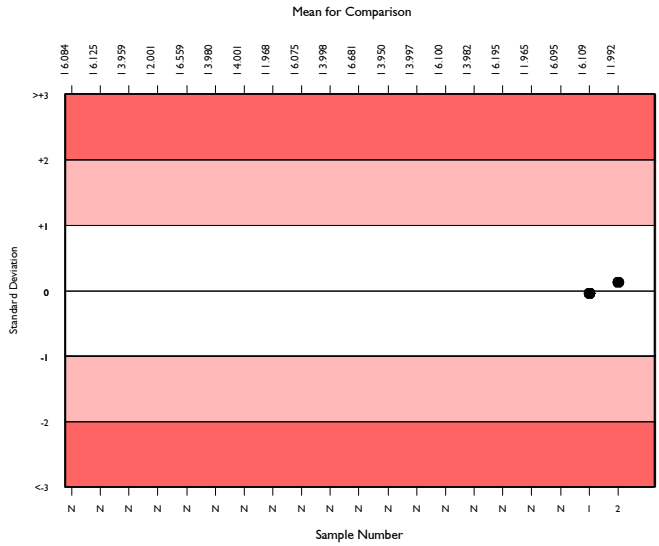
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	3639	2.035	3.8	0.00	0.07	382
ISE method - indirect	2340	2.034	3.1	0.00	0.07	181
Abbott Architect c systems	182	1.992	2.0	0.00	0.07	21

▲ Your Result	2.000	SDI	0.13
		RMSDI	Too Few
Mean for Comparison	1.992	TS	120
		RMTS	Too Few
		%DEV	0.4
		RM%DEV	Too Few

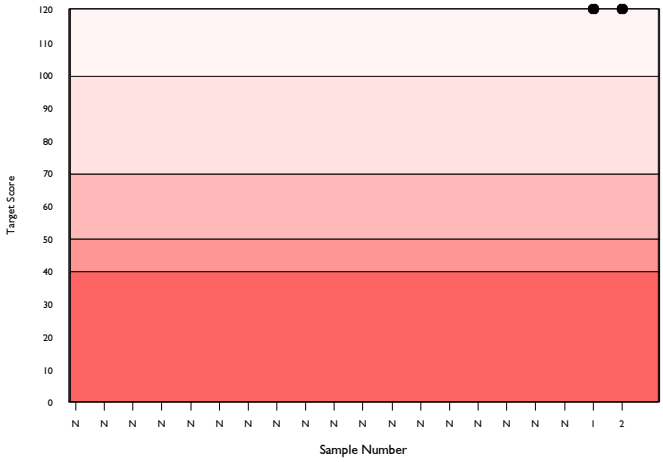
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	5.60%

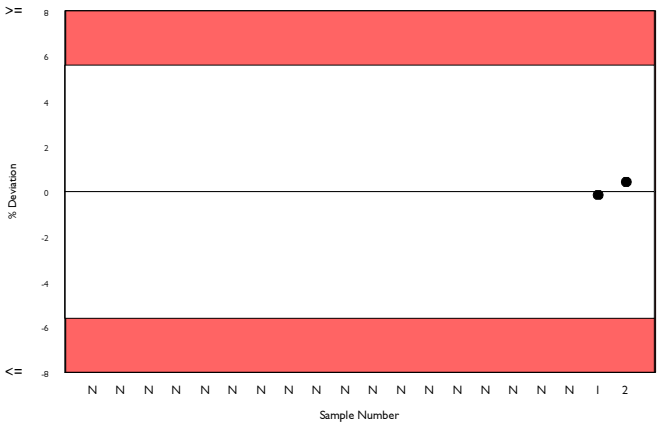


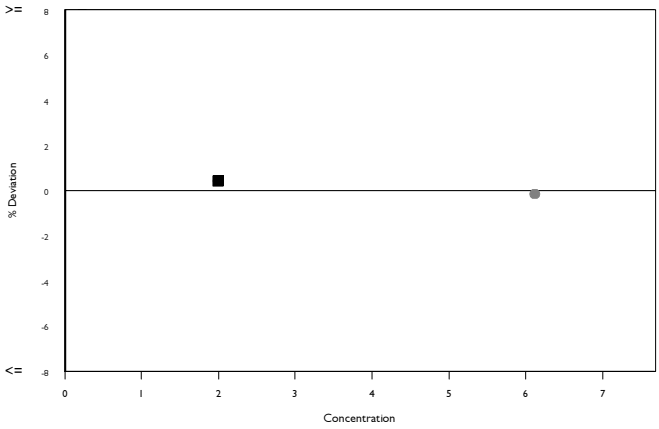
Method	N	Mean	CV%	U_m
ISE method - indirect	2340	2.034	3.1	0.00
ISE method - direct	1039	2.036	6.0	0.00
Ortho Vitros MicroSlide Systems	175	2.019	2.7	0.01
Colorimetric	52	1.863	9.8	0.03
Other Dry Chemistry	36	1.912	3.3	0.01
Agappe - ISE DIRECT	18	2.246	3.1	0.02
Flame photometry	14	2.057	5.9	0.04
Enzymatic	10	2.055	15.9	0.13
Turbidimetric	7	2.236	16.4	0.17
Optical Fluorescence	6	2.013	1.7	0.02
Vitros, DT60/DT60 II/DTE II	4	2.150	17.2	0.23



TDPA = 5.6%







RIQAS

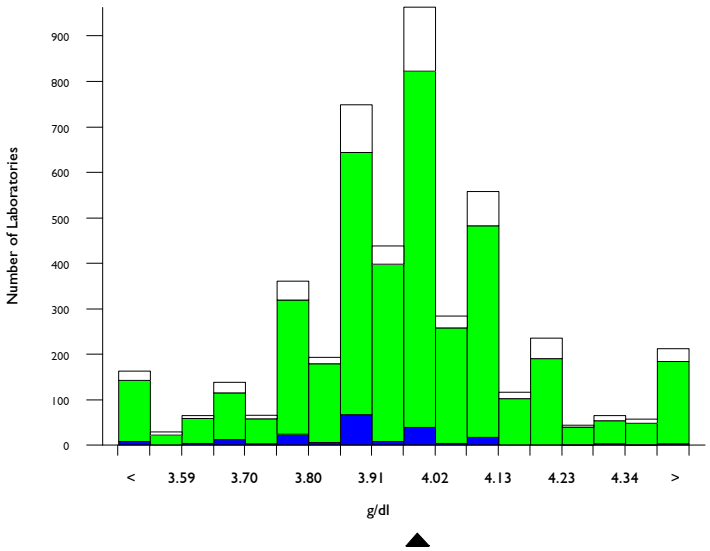
UKAS PROFICIENCY TESTING 0010

Protein, Total, g/dl

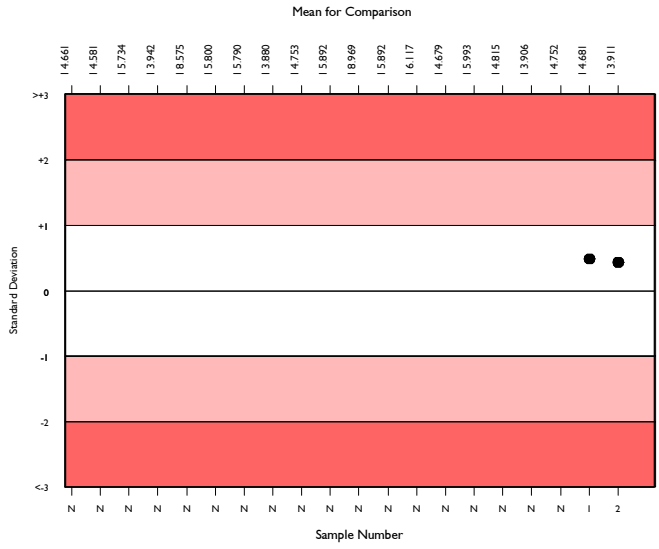
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	4308	3.971	3.6	0.00	0.21	428
Biuret reaction, end point	3786	3.973	3.7	0.00	0.21	333
Abbott Architect c systems	180	3.911	2.7	0.01	0.21	21

▲ Your Result	4.000	SDI	0.43
		RMSDI	Too Few
Mean for Comparison	3.911	TS	108
		RMTS	Too Few
		%DEV	2.3
		RM%DEV	Too Few

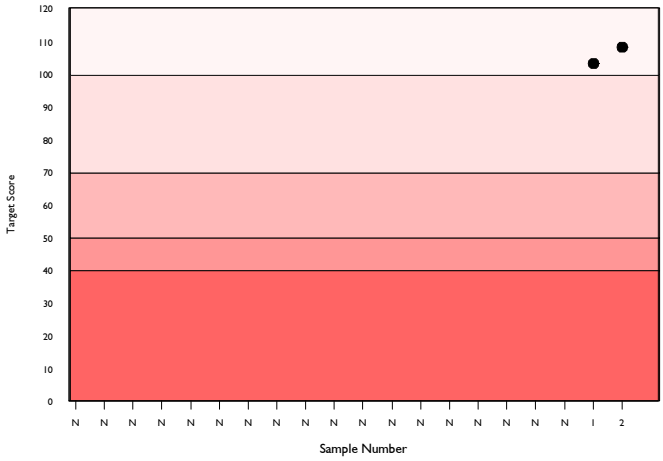
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	8.70%

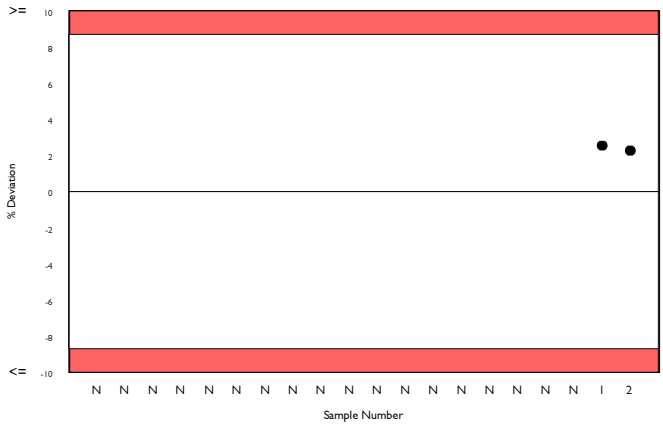


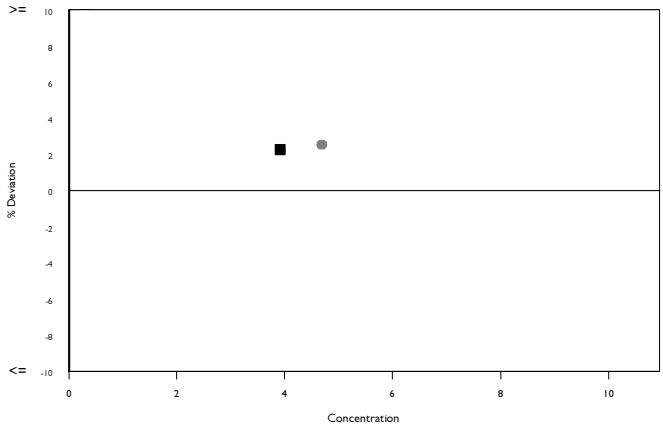
Method	N	Mean	CV%	U_m
Biuret reaction, end point	3786	3.973	3.7	0.00
Ortho Vitros MicroSlide Systems	205	4.026	3.2	0.01
Biuret reaction, kinetic	135	3.950	3.5	0.01
Agappe - BIURET	51	4.016	5.6	0.04
Other Dry Chemistry	50	3.971	4.0	0.03
Biuret reaction, CX4/5/7	42	3.925	3.2	0.02
Abbott Alinity Total Protein 2	40	3.931	1.6	0.01
Abbott Architect total Protein 2	26	3.967	2.7	0.03



TDPA = 8.7%







RIQAS

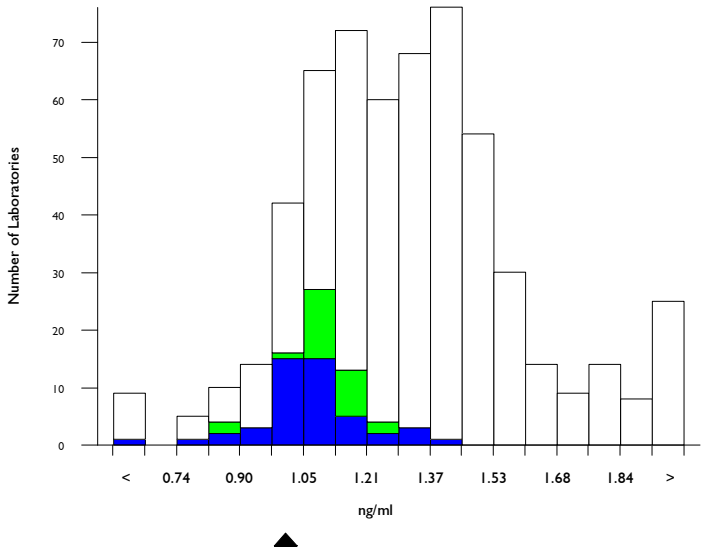
UKAS PROFICIENCY TESTING 0010

PSA, Total, ng/ml

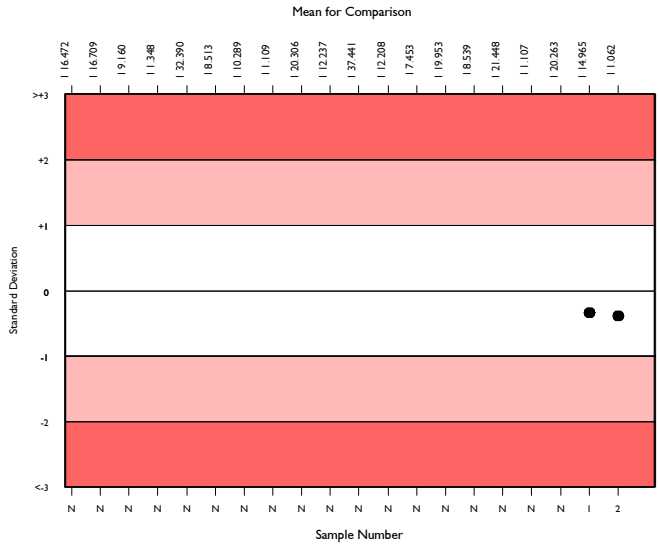
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	529	1.295	16.2	0.01	0.20	46
Abbott Architect/ Alinity	66	1.087	8.0	0.01	0.16	7
Abbott Architect i Systems	42	1.062	7.9	0.02	0.16	6

Your Result	1.000	SDI	-0.39
		RMSDI	Too Few
Mean for Comparison	1.062	TS	113
		RMTS	Too Few
		%DEV	-5.9
		RM%DEV	Too Few

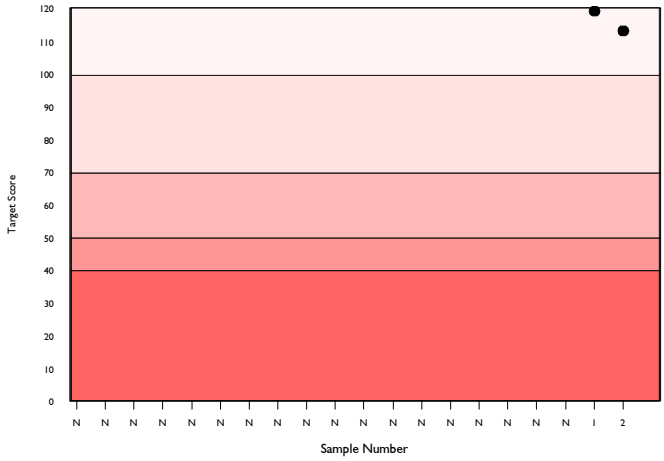
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	24.80%

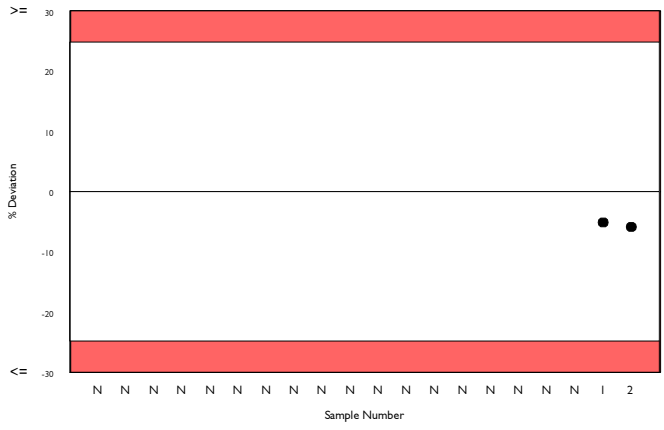


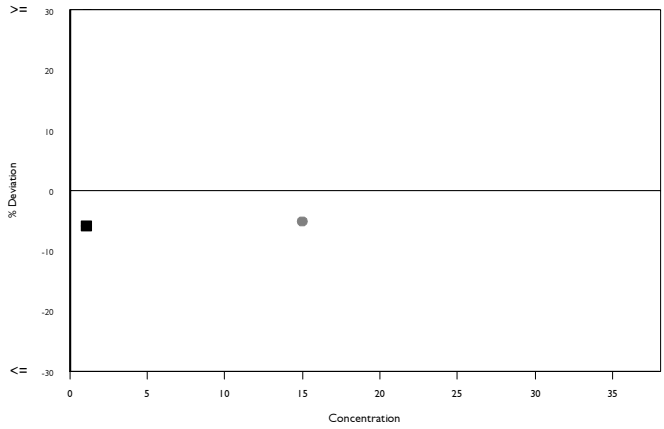
Method	N	Mean	CV%	U_m
Roche Cobas 4000/e411	71	1.389	8.2	0.02
Abbott Architect/ Alinity	66	1.087	8.0	0.01
SNIBE Maglumi analysers	49	1.068	11.3	0.02
Monobind Inc ELISA / CLIA	47	1.438	21.0	0.06
bioMerieux, VIDAS TPSA	41	1.481	10.6	0.03
Roche Cobas e601/602	42	1.368	5.5	0.01
ELISA	37	1.719	13.9	0.05
Beckman Access standardised to Hybritech	24	1.397	12.3	0.04
Tosoh AIA Series	20	1.132	8.7	0.03
Siemens Dimension	14	1.320	5.4	0.02
Roche Cobas e402/e801	12	1.309	3.1	0.01
Ortho Vitros 3600/5600/ECi	13	1.163	12.4	0.05
Mindray CL-Series	9	1.496	13.0	0.08
Siemens Centaur XP/XPT	7	1.250	4.2	0.02
Ortho Vitros 3600/5600/ECi PSA II	9	1.227	10.2	0.05
Siemens Centaur CP	7	1.243	12.6	0.07
Siemens Immulite 2000/2500, Total PSA	7	1.191	8.9	0.05
Roche Elecsys Modular E170	7	1.309	9.9	0.06
Beckman DXI standardised to Hybritech	5	1.550	3.3	0.03
Siemens Atellica IM	6	1.265	7.8	0.05
Siemens Immulite 1000, Total PSA	5	1.328	13.4	0.10



TDPA = 24.8%







RIQAS

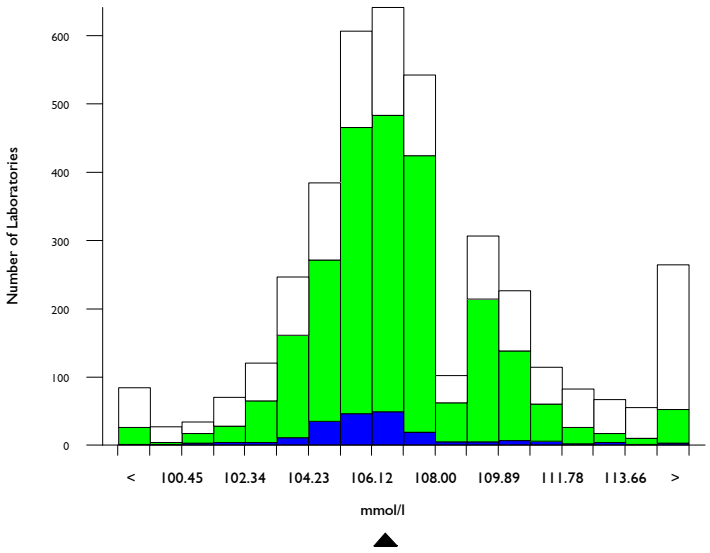
UKAS PROFICIENCY TESTING 0010

Sodium, mmol/l

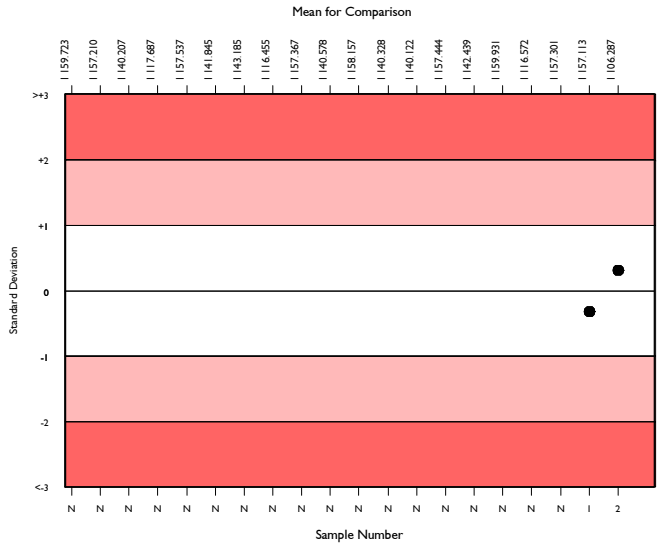
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	3588	107.064	2.4	0.05	2.34	387
ISE method - indirect	2336	106.857	1.7	0.05	2.34	190
Abbott Architect c systems	182	106.287	1.4	0.14	2.33	25

Your Result	107.000	SDI	0.31
		RMSDI	Too Few
Mean for Comparison	106.287	TS	120
		RMTS	Too Few
		%DEV	0.7
		RM%DEV	Too Few

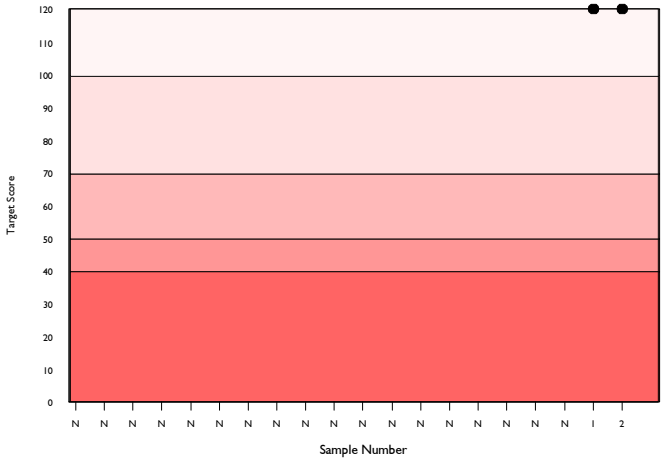
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	3.60%

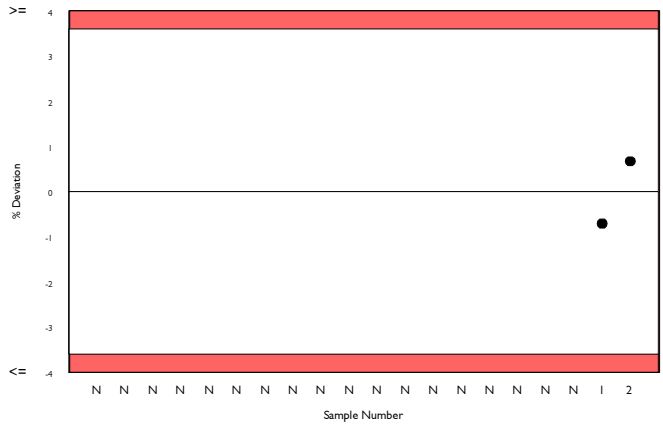


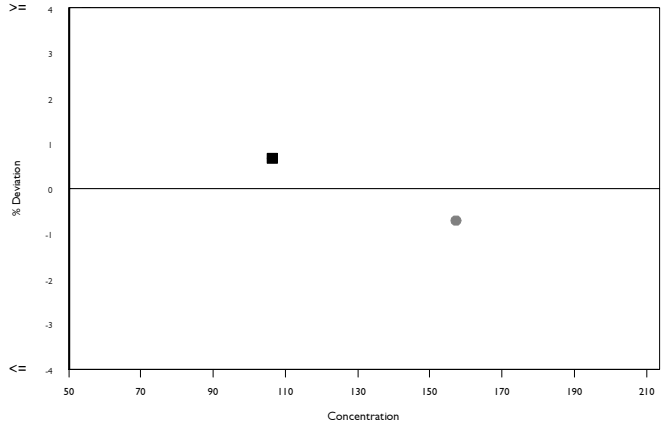
Method	N	Mean	CV%	U_m
ISE method - indirect	2336	106.857	1.7	0.05
ISE method - direct	1037	108.322	4.0	0.17
Ortho Vitros MicroSlide Systems	157	105.942	1.9	0.20
Colorimetric	40	122.740	6.5	1.59
Other Dry Chemistry	33	109.467	2.2	0.52
Agappe - ISE DIRECT	20	108.140	1.6	0.48
Flame photometry	13	110.365	5.0	1.91
Enzymatic	9	113.528	5.6	2.67
Vitros, DT60/DT60 II/DTE II	6	107.083	1.8	1.00
Optical Fluorescence	6	108.000	1.7	0.93



TDPA = 3.6%







RIQAS

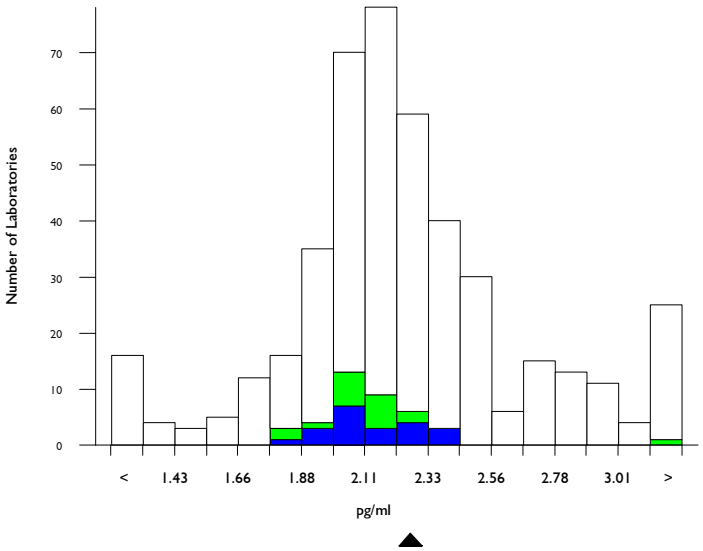
UKAS PROFICIENCY TESTING 0010

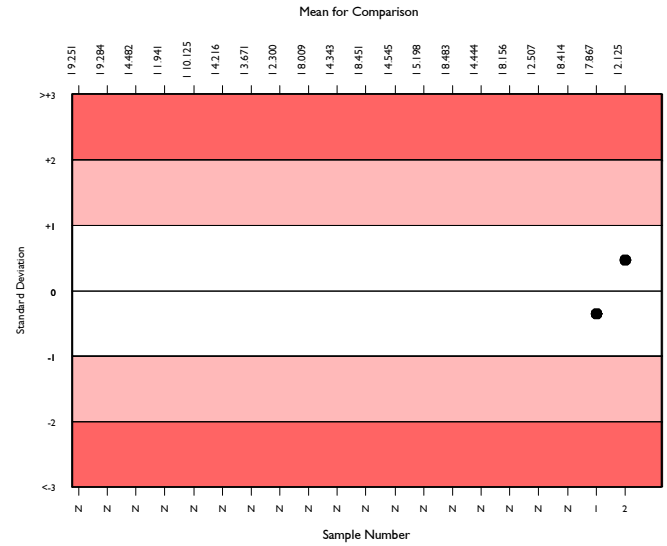
Free T3, pg/ml

	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	395	2.223	13.5	0.02	0.24	49
Abbott Architect/ Alinity, 6 point cal	38	2.114	7.2	0.03	0.22	1
Abbott Architect i Systems	21	2.125	7.7	0.04	0.22	0

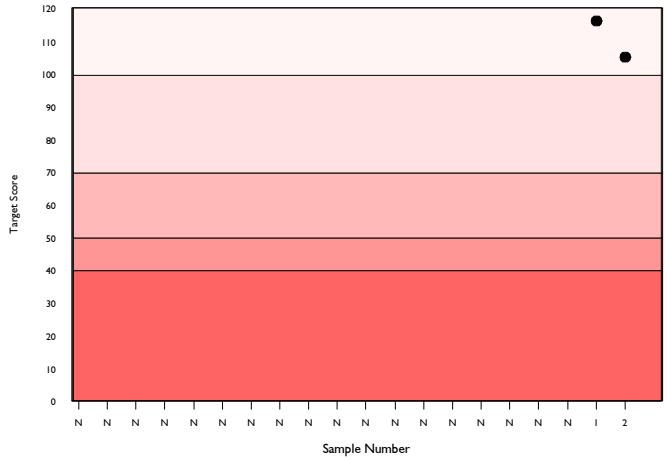
Your Result	2.230	SDI	0.47
		RMSDI	Too Few
Mean for Comparison	2.125	TS	105
		RMTS	Too Few
		%DEV	4.9
		RM%DEV	Too Few

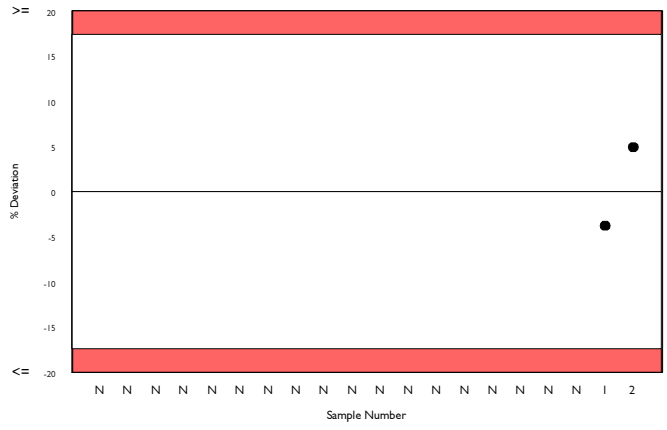
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	17.40%

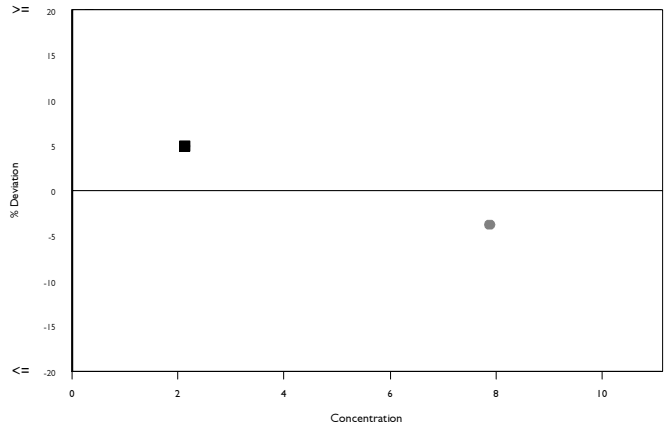




TDPA = 17.4%







Method	N	Mean	CV%	U_m
Roche Cobas 4000/e411	65	2.288	9.7	0.03
Roche Cobas e601/602	56	2.244	6.0	0.02
BioMerieux VIDAS	40	1.924	15.5	0.06
Abbott Architect/ Alinity, 6 point cal	38	2.114	7.2	0.03
Abbott Architect/ Alinity, 2 point cal	35	2.156	7.3	0.03
Beckman Access/LXi725	24	2.043	6.1	0.03
SNIBE Maglumi analysers	16	2.199	17.1	0.12
Ortho Vitros 3600/5600/ECi/XT 7600	13	3.757	6.6	0.09
Siemens Dimension Exl LOCI	13	2.245	5.2	0.04
Roche Cobas e402/e801	14	2.217	5.0	0.04
Tosoh AIA Series	12	2.267	12.4	0.10
Siemens Centaur XP/XPT	13	2.796	6.5	0.06
Mindray CL-Series	10	2.341	6.3	0.06
Siemens Centaur CP	9	2.929	8.7	0.11
Beckman Dxl 600/800	9	1.823	12.7	0.10
Siemens/DPC Immulite 2000/2500	5	1.368	19.1	0.15
ELISA	3	1.693	44.7	0.55
Siemens Atellica IM	5	2.917	2.4	0.04
Roche Elecsys	4	2.013	3.6	0.05
Fujirebio Lumipulse G Series	4	2.190	12.9	0.18
DiaSorin Liaison XL	3	2.520	2.0	0.04

RIQAS

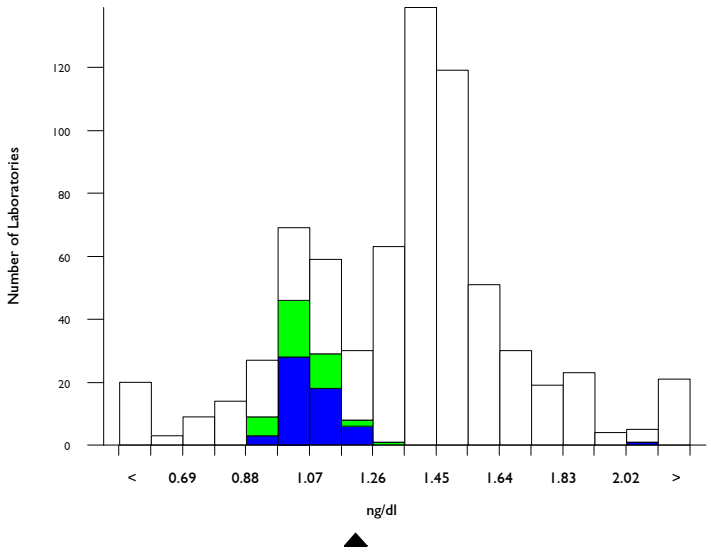
UKAS PROFICIENCY TESTING 0010

Free T4, ng/dl

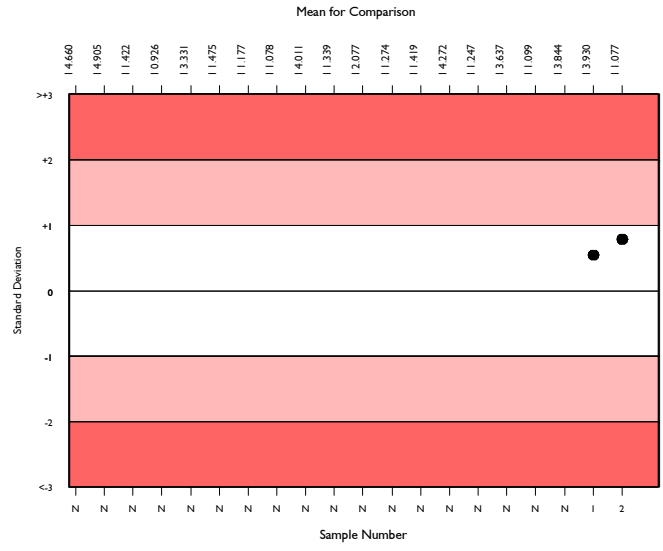
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	650	1.362	18.6	0.01	0.17	56
Abbott Architect/ Alinity	86	1.070	6.0	0.01	0.13	8
Abbott Architect i Systems	50	1.077	5.4	0.01	0.13	6

Your Result	1.180	SDI	0.78
		RMSDI	Too Few
Mean for Comparison	1.077	TS	82
		RMTS	Too Few
		%DEV	9.6
		RM%DEV	Too Few

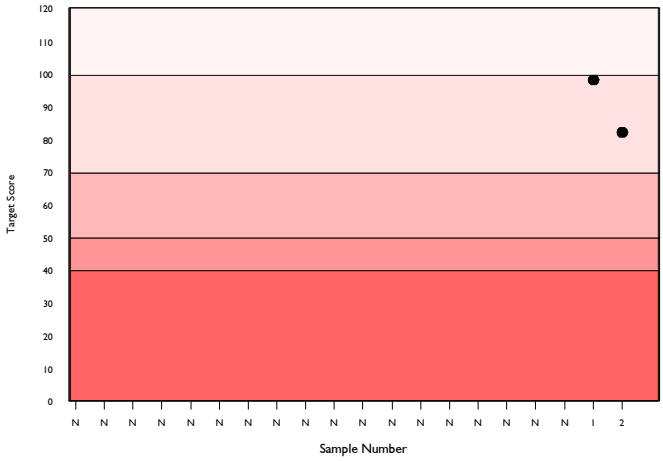
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	20.10%

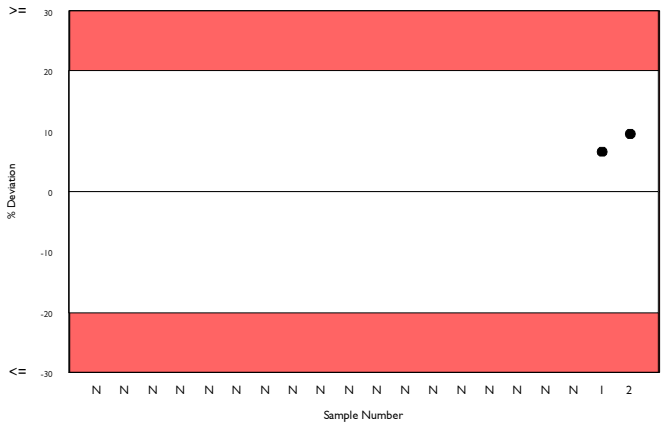


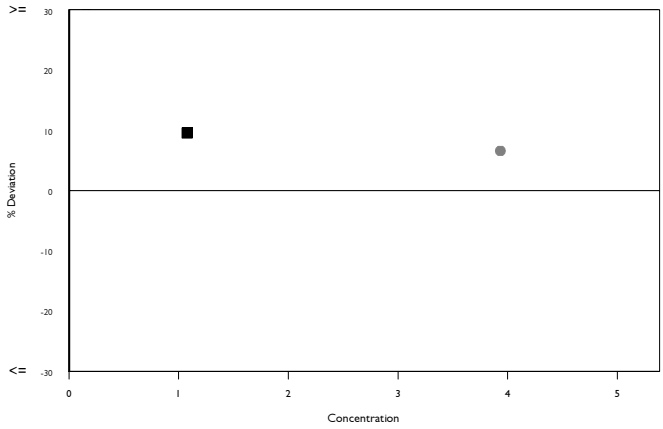
Method	N	Mean	CV%	U_m
Roche Cobas 4000/e411	94	1.441	4.6	0.01
Abbott Architect/ Alinity	86	1.070	6.0	0.01
Roche Cobas e601/ 602	68	1.420	3.7	0.01
SNIBE Maglumi analysers	55	1.509	6.5	0.02
bioMerieux, VIDAS-FT4N Kit	46	1.759	6.0	0.02
Monobind Inc ELISA / CLIA	47	0.821	21.2	0.03
Beckman Access/LXi725	34	1.514	8.4	0.03
Roche Cobas e402/e801	24	1.439	3.9	0.01
ELISA	19	0.921	18.4	0.05
Tosoh AIA Series	20	1.615	7.3	0.03
Ortho Vitros 3600/5600/ECi/XT/7600	22	2.134	8.9	0.05
Mindray CL-Series	16	1.169	9.1	0.03
Siemens Centaur XP/XPT	15	1.175	7.8	0.03
Siemens Dimension Exl LOCI	15	1.435	4.1	0.02
Siemens/DPC Immulite 2000/2500	12	1.533	5.1	0.03
Beckman Dxl 600/800	11	1.415	7.0	0.04
Siemens Centaur CP	9	1.205	8.3	0.04
Roche Elecsys	9	1.412	4.1	0.02
Siemens/DPC Immulite 1000	6	1.504	6.6	0.05
Siemens Atellica IM	7	1.135	5.0	0.03
DiaSorin Liaison XL	5	1.328	2.9	0.02



TDPA = 20.1%





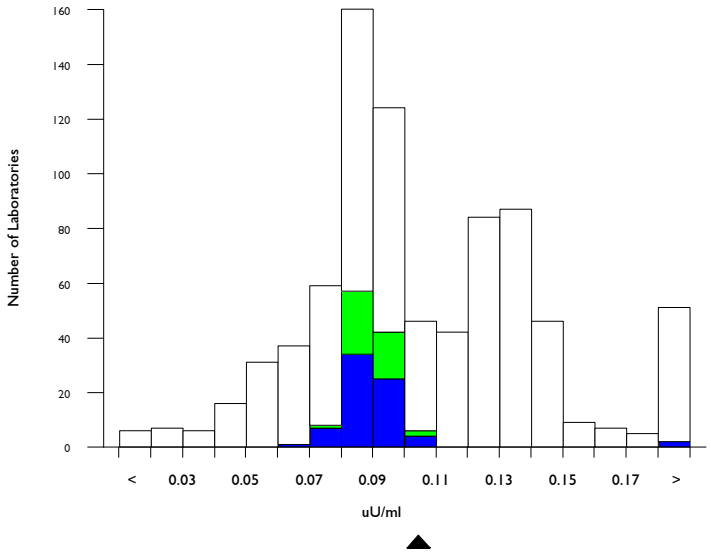


TSH, uU/ml

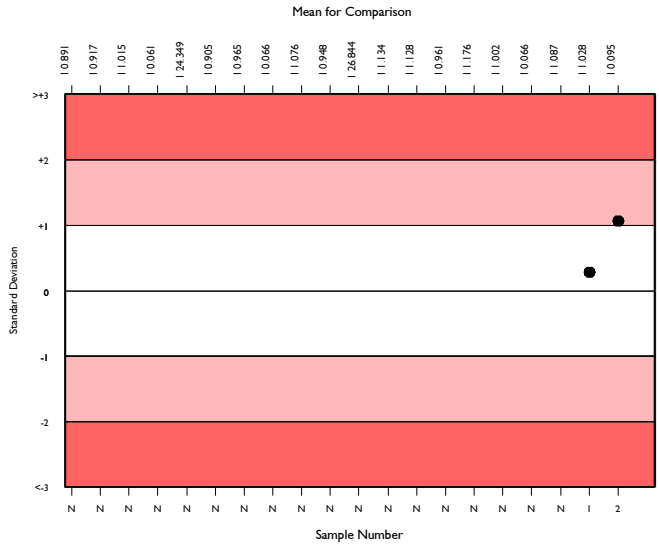
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	745	0.107	25.5	0.00	0.02	84
Abbott Architect/ Alinity	104	0.096	5.5	0.00	0.01	12
Abbott Architect i Systems	65	0.095	6.4	0.00	0.01	8

Your Result	0.110	SDI	1.06
		RMSDI	Too Few
Mean for Comparison	0.095	TS	69
		RMTS	Too Few
		%DEV	15.4
		RM%DEV	Too Few

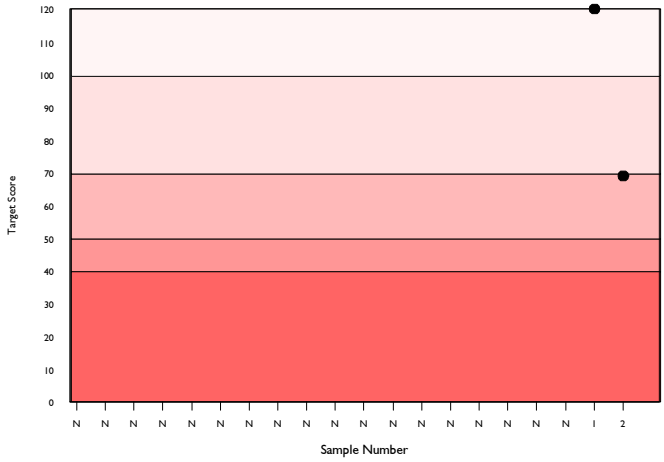
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	23.90%

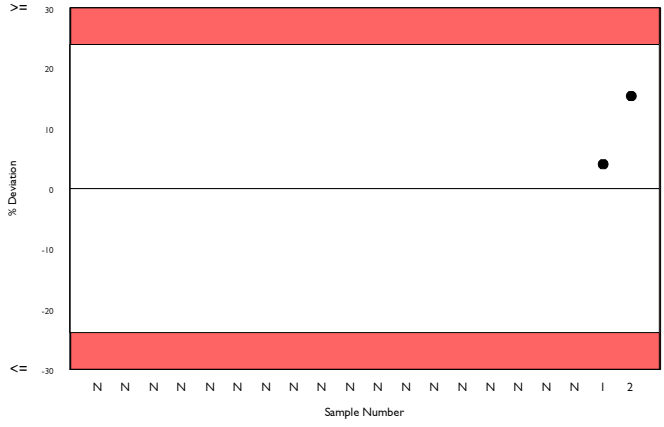


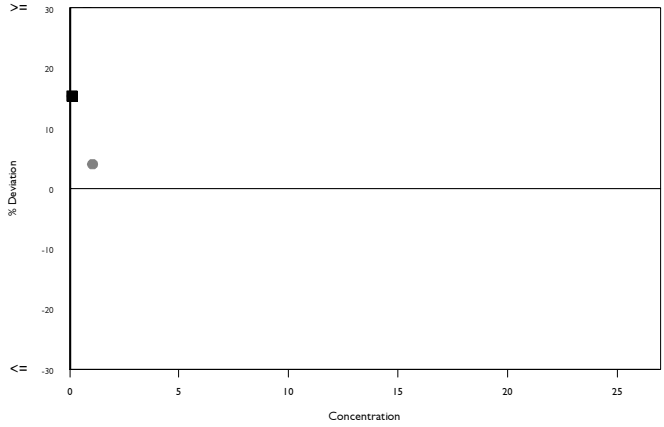
Method	N	Mean	CV%	U_m
Abbott Architect/ Alinity	104	0.096	5.5	0.00
Roche Cobas 4000/e411	104	0.144	5.9	0.00
Roche Cobas e601/ 602	69	0.137	3.6	0.00
SNIBE Maglumi analysers	60	0.065	17.0	0.00
Monobind Inc ELISA / CLIA	50	0.095	44.3	0.01
Biomerieux VIDAS TSH	48	0.089	10.3	0.00
ELISA	31	0.114	46.6	0.01
Tosoh AIA Series	25	0.108	11.6	0.00
Ortho Vitros 3600/5600/ECi/XT 7600	23	0.080	18.3	0.00
Beckman Access/LXi725 hyper TSH 3rd gen.	22	0.090	6.9	0.00
Beckman DXI600/800/ Access 2 (3rd IS)	22	0.091	4.8	0.00
Roche Cobas e402/e801	23	0.130	3.0	0.00
Mindray CL-Series	14	0.161	10.3	0.01
Siemens Dimension Exl LOCI	14	0.094	9.4	0.00
Siemens Centaur CP	9	0.102	6.0	0.00
Roche Elecsys	11	0.139	6.4	0.00
Siemens/DPC Immulite 2000/2500	10	0.104	9.4	0.00
Siemens Centaur XP/XPT	9	0.112	8.5	0.00
Siemens/DPC Immulite 1000	8	0.109	10.7	0.01
Siemens Atellica IM	8	0.106	3.7	0.00
bioMerieux, VIDAS TSH3 Ultrasensitive	7	0.080	9.6	0.00



TDPA = 23.9%







RIQAS

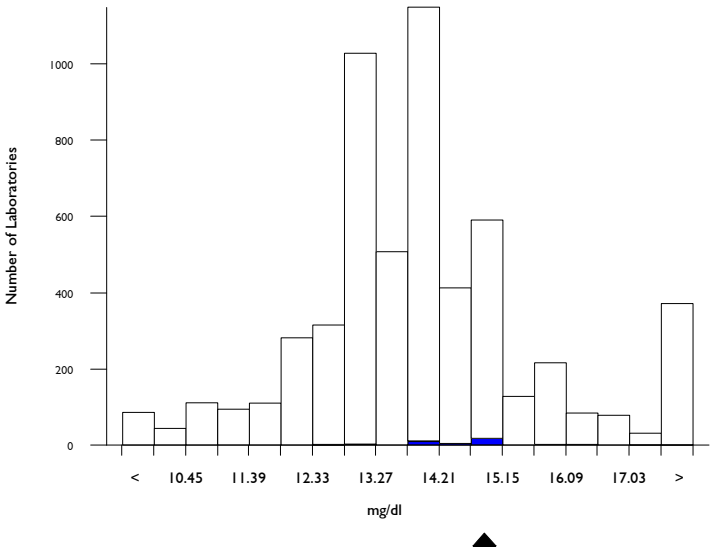
UKAS PROFICIENCY TESTING 0010

Urea, mg/dl

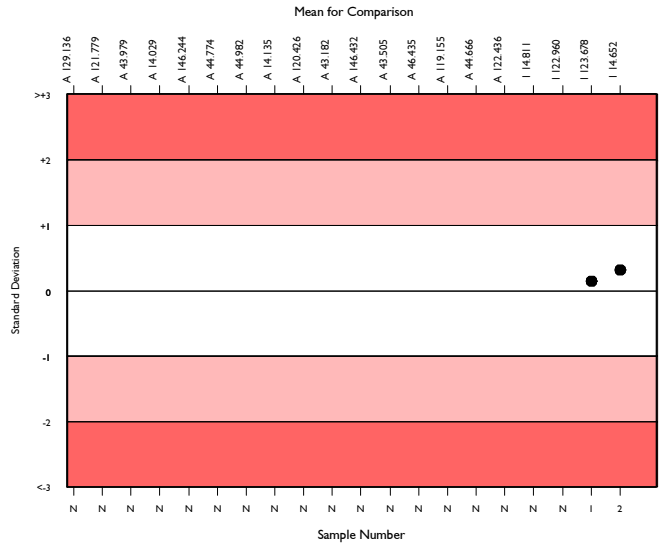
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	5126	13.747	9.1	0.02	1.04	512
Abbott Architect Urea Nitrogen 2	40	14.458	5.1	0.15	1.10	5
Abbott Architect c systems	35	14.652	3.7	0.11	1.11	7

▲ Your Result	15.000	SDI	0.31
		RMSDI	Too Few
Mean for Comparison	14.652	TS	120
		RMTS	Too Few
		%DEV	2.4
		RM%DEV	Too Few

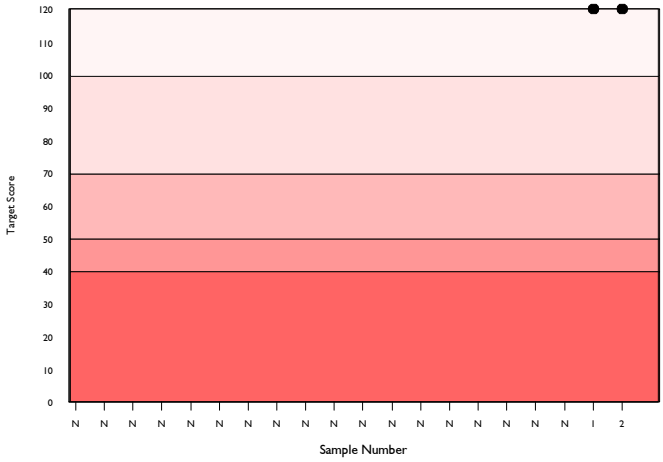
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	12.50%

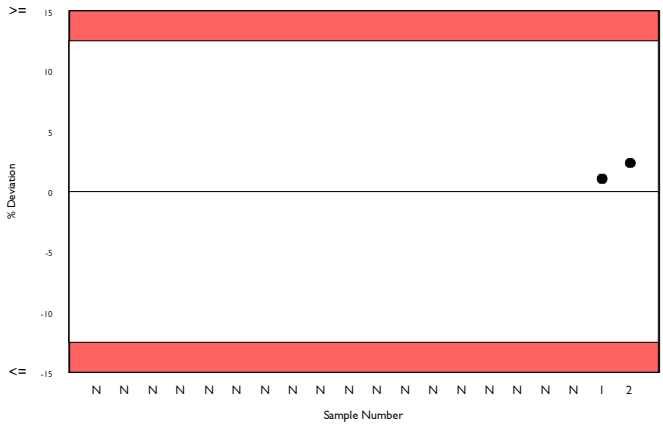


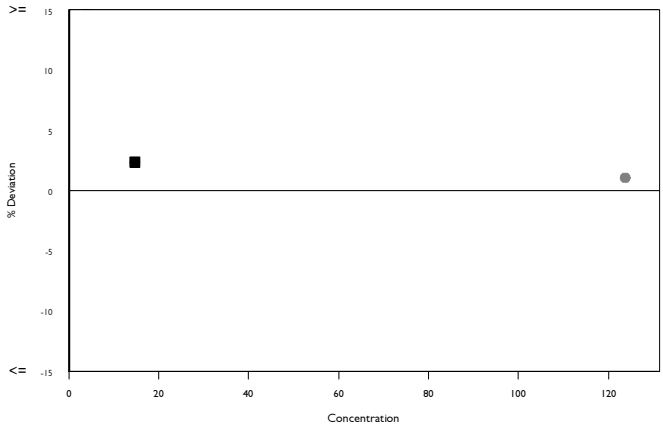
Method	N	Mean	CV%	U_m
Urease, kinetic	4314	13.832	8.1	0.02
Urease, end point	306	13.959	10.2	0.10
Ortho Vitros MicroSlide Systems	229	11.361	7.0	0.07
Urease, hypochlorite	78	15.177	11.0	0.23
Agappe - UREASE GLDH	57	14.364	12.8	0.30
Other Dry Chemistry	49	13.304	4.8	0.11
Abbott Architect Urea Nitrogen 2	40	14.458	5.1	0.15
Beckman - Conductivity	28	13.950	5.3	0.17
Diacetyl monoxime	4	14.768	10.1	0.94
O-Phthalaldehyde	4	16.738	19.6	2.05
Agappe - BERTHELOT	2	16.171	7.1	1.01



TDPA = 12.5%







RIQAS

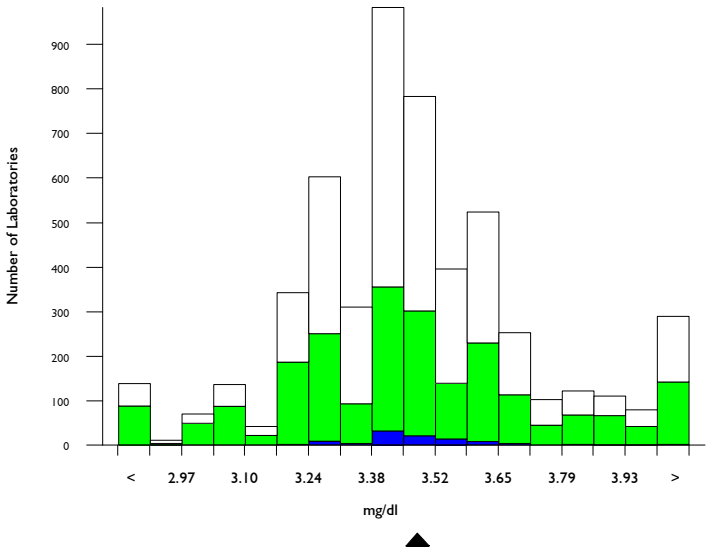
UKAS PROFICIENCY TESTING 0010

Uric Acid (Urate), mg/dl

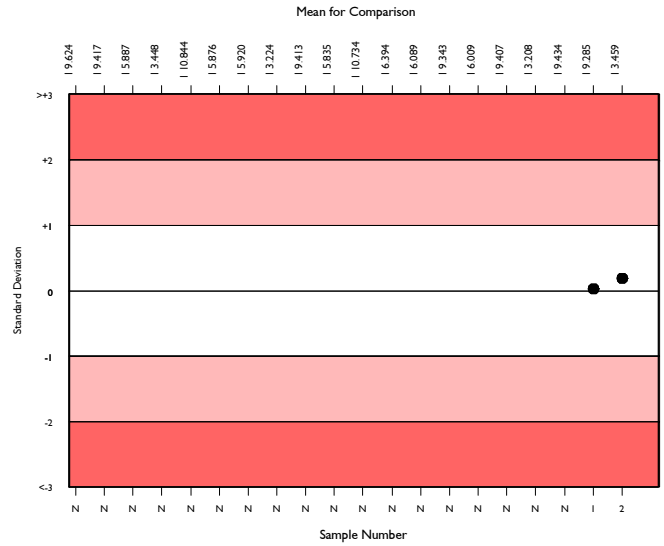
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	4790	3.452	5.3	0.00	0.22	498
Uricase perox. no ascorb. ox.	2070	3.453	6.4	0.01	0.22	209
Abbott Architect c systems	89	3.459	2.8	0.01	0.22	12

▲ Your Result	3.500	SDI	0.19
		RMSDI	Too Few
Mean for Comparison	3.459	TS	120
		RMTS	Too Few
		%DEV	1.2
		RM%DEV	Too Few

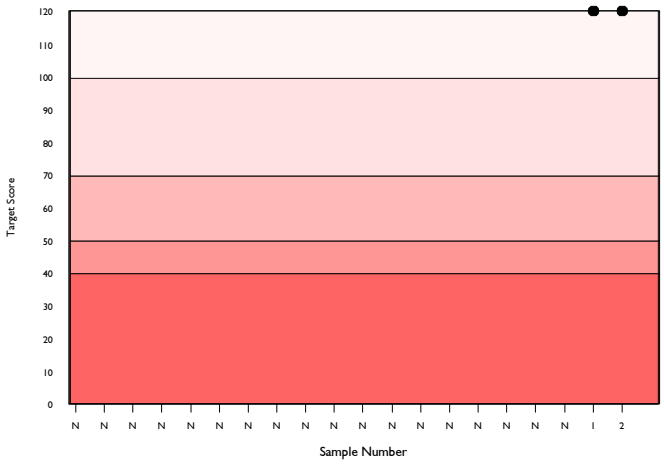
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	10.60%

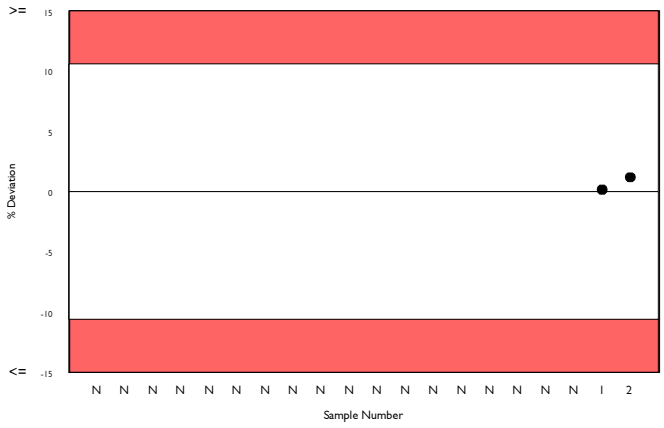


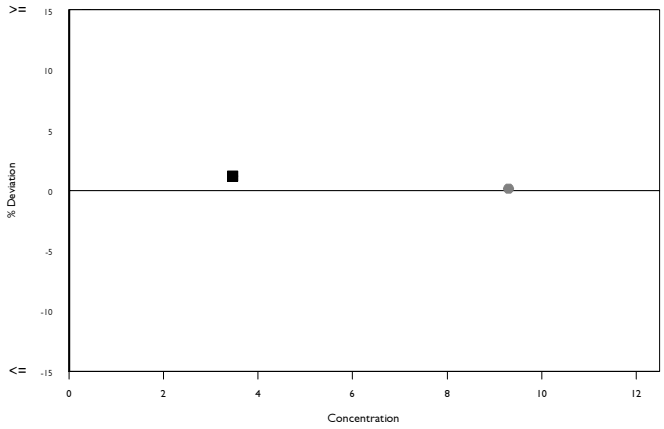
Method	N	Mean	CV%	U_m
Uricase perox. no ascorb. ox.	2070	3.453	6.4	0.01
Uricase Perox. with ascorb. ox	1201	3.494	4.8	0.01
Uricase Perox. with ascorb. ox @ 546nm	839	3.408	4.2	0.01
Ortho Vitros MicroSlide Systems	216	3.379	2.6	0.01
Uricase @ 293 nm	183	3.448	2.8	0.01
Uricase, catalase 340nm.	113	3.441	3.3	0.01
Abbott Alinity Uric Acid 2	40	3.412	1.8	0.01
Agappe - URICASE - PAP	36	3.615	4.5	0.03
Other Dry Chemistry	36	3.835	7.2	0.06
Abbott Architect Uric Acid 2	35	3.451	2.6	0.02
Agappe - URICASE - TOPS	13	3.688	6.4	0.08
Reduction methods	4	3.507	2.6	0.06
Vitros DT60/DT60 II	3	3.365	2.9	0.07



TDPA = 10.6%







RIQAS

UKAS PROFICIENCY TESTING 0010

Analyte	Mean for Comparison	Your Result	SDI	RMSDI	%DEV	RM%DEV	TS	RMTS	Performance
Albumin	2.142	2.000	-1.21	Too Few	-6.6	Too Few	63	Too Few	
Alkaline Phosphatase	19.154	17.000	-0.95	Too Few	-11.2	Too Few	72	Too Few	
ALT (GPT)	12.179	13.000	0.73	Too Few	6.7	Too Few	85	Too Few	
Amylase, Pancreatic	10.676	10.000	-0.51	Too Few	-6.3	Too Few	101	Too Few	
Amylase, Total	24.788	26.000	0.48	Too Few	4.9	Too Few	104	Too Few	
AST (GOT)	9.998	13.000	***3.34***	Too Few	***30.0***	Too Few	***19***	Too Few	▲
Bile Acids	4.725	5.000	0.39	Too Few	5.8	Too Few	112	Too Few	
Bilirubin, Direct	0.495	0.500	0.06	Too Few	0.9	Too Few	120	Too Few	
Bilirubin, Total	0.980	1.000	0.21	Too Few	2.0	Too Few	120	Too Few	
Calcium	5.947	6.000	0.18	Too Few	0.9	Too Few	120	Too Few	
Chloride	85.458	85.000	-0.19	Too Few	-0.5	Too Few	120	Too Few	
Cholesterol	117.577	119.000	0.23	Too Few	1.2	Too Few	120	Too Few	
CK, Total	86.766	87.000	0.04	Too Few	0.3	Too Few	120	Too Few	
Creatinine	0.753	0.820	1.16	Too Few	8.9	Too Few	65	Too Few	
GGT	5.027	6.000	1.78	Too Few	***19.4***	Too Few	***47***	Too Few	
Glucose	35.177	35.000	-0.10	Too Few	-0.5	Too Few	120	Too Few	
HDL-Cholesterol	46.640	46.000	-0.11	Too Few	-1.4	Too Few	120	Too Few	
Iron	65.409	66.770	0.34	Too Few	2.1	Too Few	118	Too Few	
LD (LDH)	72.598	73.000	0.07	Too Few	0.6	Too Few	120	Too Few	
LDL-Cholesterol (Pilot)	25.970	24.000	-0.61	Too Few	-7.6	Too Few	93	Too Few	
Lipase	20.998	20.000	-0.30	Too Few	-4.8	Too Few	120	Too Few	
Lithium	0.601	1.200	***11.88***	Too Few	***99.5***	Too Few	***10***	Too Few	▲
Magnesium	1.207	1.210	0.04	Too Few	0.3	Too Few	120	Too Few	
Phosphate, Inorganic	1.441	1.400	-0.50	Too Few	-2.9	Too Few	102	Too Few	
Potassium	1.992	2.000	0.13	Too Few	0.4	Too Few	120	Too Few	
Protein, Total	3.911	4.000	0.43	Too Few	2.3	Too Few	108	Too Few	
PSA, Total	1.062	1.000	-0.39	Too Few	-5.9	Too Few	113	Too Few	
Sodium	106.287	107.000	0.31	Too Few	0.7	Too Few	120	Too Few	
Free T3	2.125	2.230	0.47	Too Few	4.9	Too Few	105	Too Few	
Free T4	1.077	1.180	0.78	Too Few	9.6	Too Few	82	Too Few	
TSH	0.095	0.110	1.06	Too Few	15.4	Too Few	69	Too Few	
Urea	14.652	15.000	0.31	Too Few	2.4	Too Few	120	Too Few	
Uric Acid (Urate)	3.459	3.500	0.19	Too Few	1.2	Too Few	120	Too Few	

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

END OF REPORT

RIQAS

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