Laboratorio Emotest s.r.l.

MONTHLY CLINICAL CHEMISTRY

CYCLE 20 SAMPLE 3

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

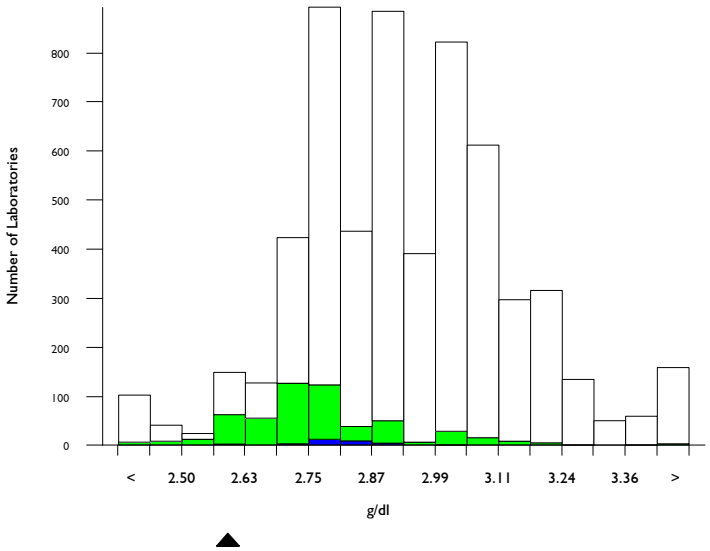
UKAS PROFICIENCY TESTING 0010

Albumin, g/dl

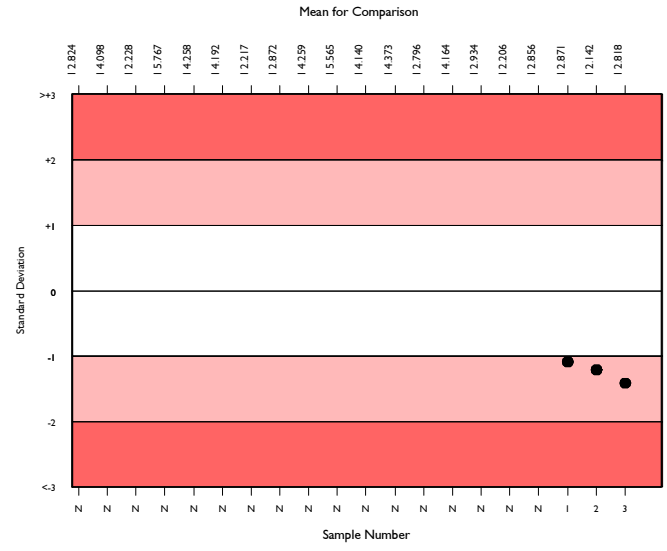
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	5511	2.935	5.5	0.00	0.16	401
Bromocresol Purple	508	2.754	4.2	0.01	0.15	39
Abbott Architect c systems	27	2.818	1.7	0.01	0.15	4

▲ Your Result	2.600	SDI	-1.42
		RMSDI	Too Few
Mean for Comparison	2.818	TS	57
		RMTS	Too Few
		%DEV	-7.7
		RM%DEV	Too Few

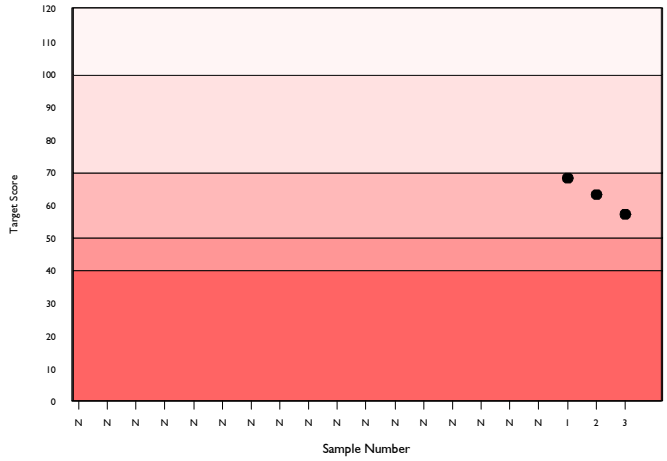
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	9.00%

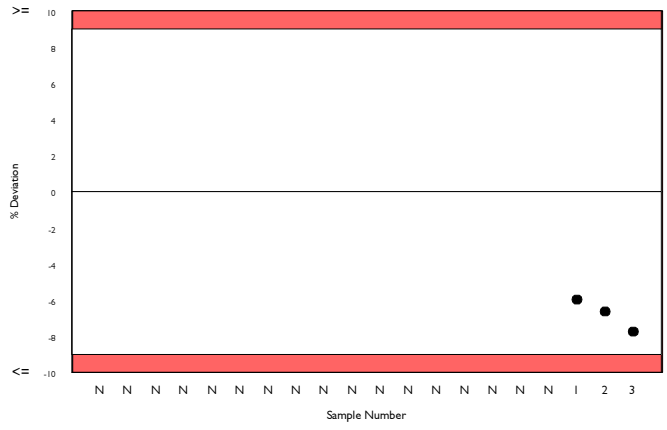


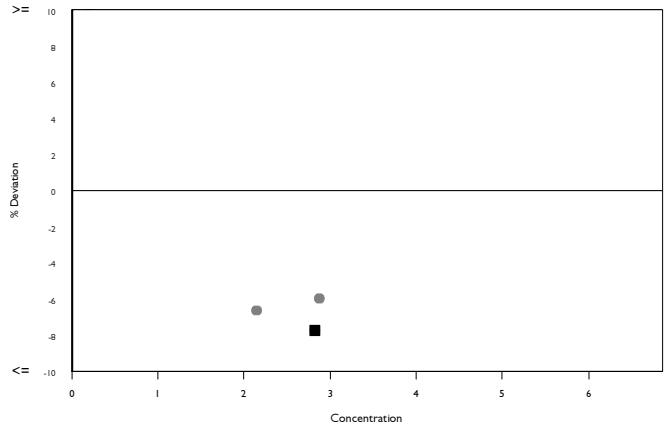
Method	N	Mean	CV%	U_m
Bromocresol Green	4551	2.953	5.3	0.00
Bromocresol Purple	508	2.754	4.2	0.01
Ortho Vitros MicroSlide Systems	212	2.919	3.6	0.01
Agappe - Bromocresol Green	58	3.146	4.0	0.02
Abbott Alinity Albumin BCG 2	52	2.826	1.6	0.01
Other Dry Chemistry	42	3.378	4.6	0.03
Turbidimetric Assays	34	2.932	8.4	0.05
Abbott Architect Albumin BCG 2	23	2.843	2.1	0.02
Abbott Architect Albumin BCP 2	10	2.594	2.3	0.02
Nephelometric Assays	6	2.898	6.1	0.09
Abbott Alinity Albumin BCP 2	4	2.598	3.0	0.05
Electrophoresis	3	2.949	7.5	0.16
Vitros DT60/DT60 II/DTSC II	2	2.790	10.6	0.26



TDPA = 9%







RIQAS

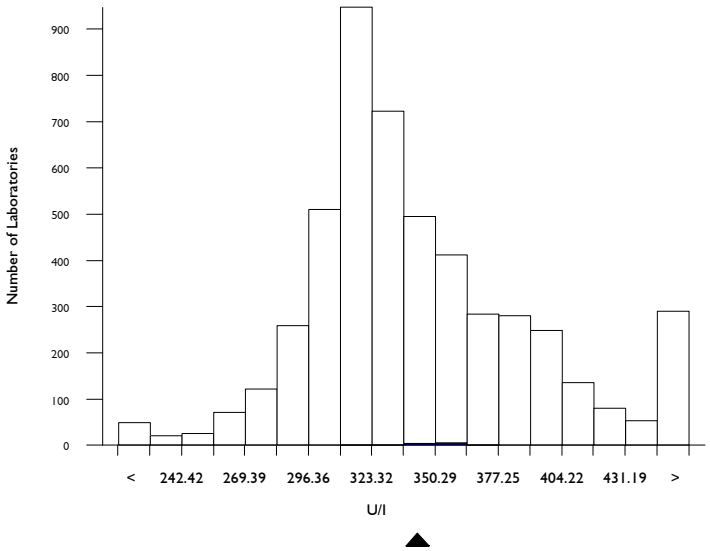
UKAS PROFICIENCY TESTING 0010

Alkaline Phosphatase, U/l @ 37°C

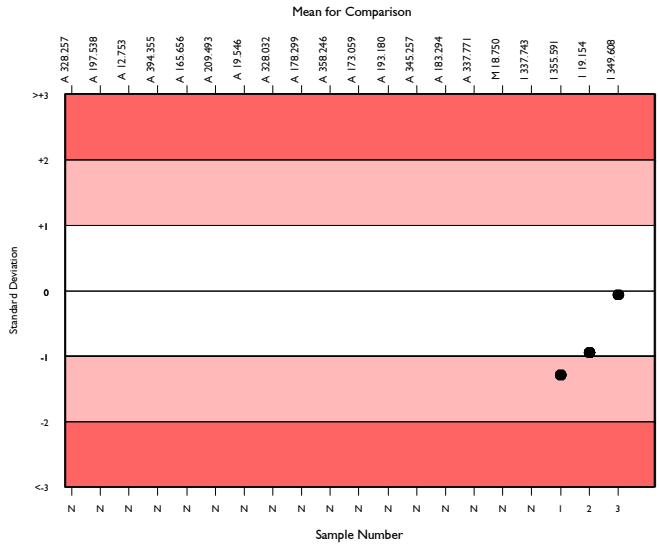
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	4572	336.810	10.7	0.66	37.88	427
Abbott Architect Alkaline Phosphatase 2	11	349.608	3.2	4.23	39.32	1
Abbott Architect c systems	11	349.608	3.2	4.23	39.32	1

Your Result	347.000	SDI	-0.07
		RMSDI	Too Few
Mean for Comparison	349.608	TS	120
		RMTS	Too Few
		%DEV	-0.7
		RM%DEV	Too Few

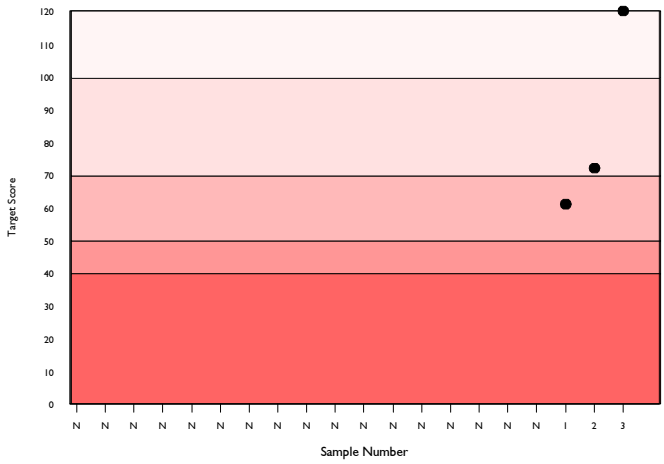
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	18.50%

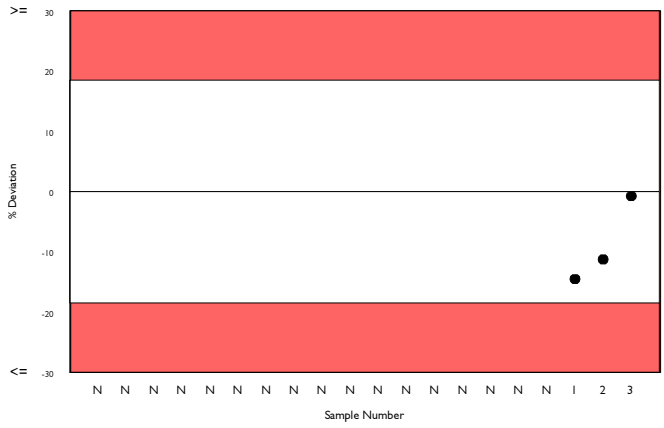


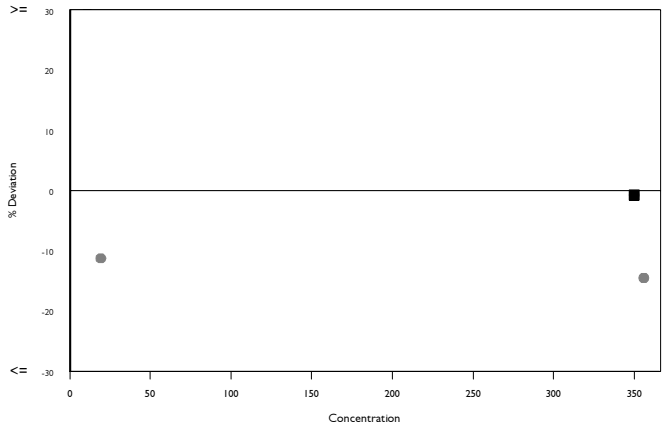
Method	N	Mean	CV%	U_m
AMP optimised to IFCC	1949	344.854	9.2	0.90
Roche AMP buffer IFCC	1116	317.114	4.2	0.50
Diethanolamine buffer, DEA	429	425.935	14.5	3.73
Ortho Vitros MicroSlide Systems	217	279.598	4.9	1.17
AMP non-optimised	216	344.409	7.8	2.27
Siemens/Dade Dimension AMP buffer	218	315.071	3.1	0.84
Beckman AMP (Calibrator)	131	387.097	5.5	2.33
Colorimetric	102	332.852	9.4	3.88
Agappe - DGKC-SCE	45	412.098	10.1	7.75
Other AMP kits	42	334.097	4.9	3.14
Other Dry Chemistry	38	378.845	10.2	7.83
Beckman AMP (Extinction Coeff)	26	371.760	6.0	5.49
Abbott Alinity Alkaline Phosphatase 2	21	354.238	3.9	3.72
Abbott Architect Alkaline Phosphatase 2	11	349.608	3.2	4.23
Fuji Dri-Chem JSCC	10	373.600	11.0	16.19
AMP optimised to NVKC/SFBC	6	399.105	16.1	32.69
AMPD optimised to JSCC	5	322.760	5.2	9.32
Vitros DT60/DT60 II/DTSC II	2	280.500	0.8	1.87
Tris/carbonate buffer	2	326.450	0.7	1.94



TDPA = 18.5%







RIQAS

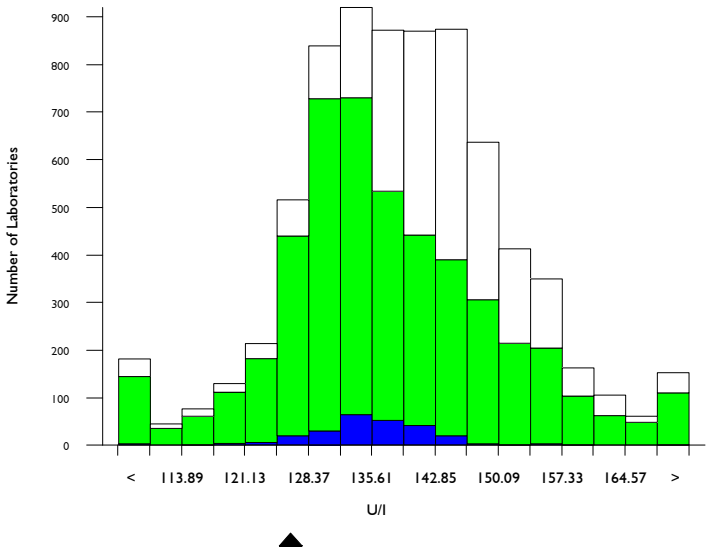
UKAS PROFICIENCY TESTING 0010

ALT (GPT), U/l @ 37°C

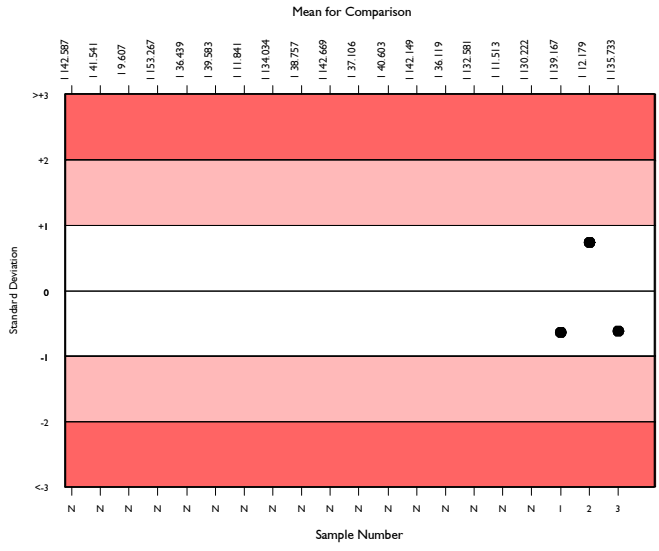
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	6879	139.238	6.9	0.15	12.78	537
Tris buffer without P5P	4467	137.012	7.3	0.19	12.58	374
Abbott Architect c systems	233	135.733	3.9	0.44	12.46	18

▲ Your Result	128.000	SDI	-0.62
		RMSDI	Too Few
Mean for Comparison	135.733	TS	92
		RMTS	Too Few
		%DEV	-5.7
		RM%DEV	Too Few

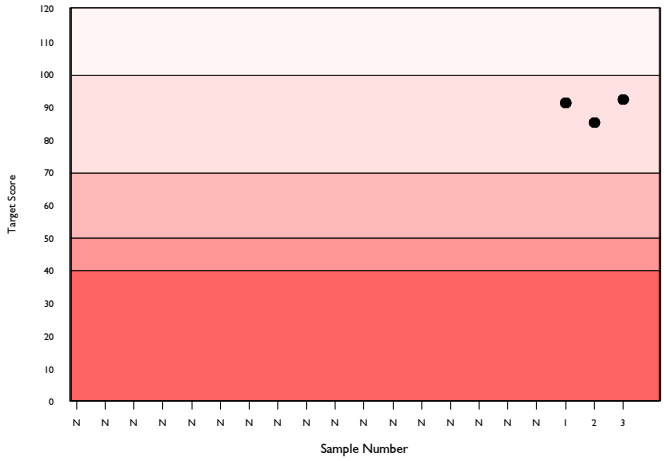
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	15.10%

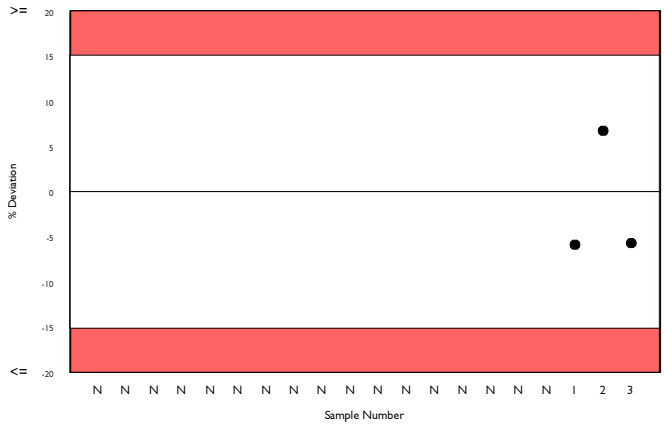


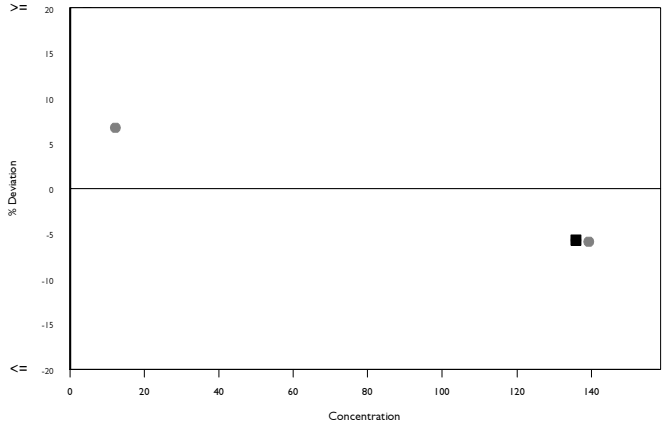
Method	N	Mean	CV%	U_m
Tris buffer without P5P	4467	137.012	7.3	0.19
Beckman Mod. IFCC Ref. without P5P	840	141.505	3.8	0.23
Tris buffer with P5P	685	143.642	5.9	0.41
Ortho Vitros MicroSlide Systems	158	144.975	3.9	0.56
Siemens/Dade standard nonIFCC correlated	164	150.437	3.9	0.58
Beckman IFCC Ref. with P5P	105	142.252	4.8	0.83
Agappe - IFCC	77	147.495	5.3	1.11
Ortho Vitros MicroSlide visible	77	144.192	3.0	0.62
Colorimetric	62	140.317	7.5	1.66
Other Dry Chemistry	59	140.093	6.5	1.47
Abbott Alinity ALT 2	34	126.708	3.4	0.91
Phosphate buffer, DGKC	24	147.764	9.7	3.67
Abbott Architect ALT 2	22	131.700	7.5	2.63
Tris buffer with P5P, NVKC	17	141.053	5.2	2.24
Tris buffer, SCE	16	132.952	9.4	3.92
Beckman (Extinction Coefficient)	10	141.198	2.7	1.53
LDH - JSCC	6	142.167	13.0	9.46



TDPA = 15.1%







RIQAS

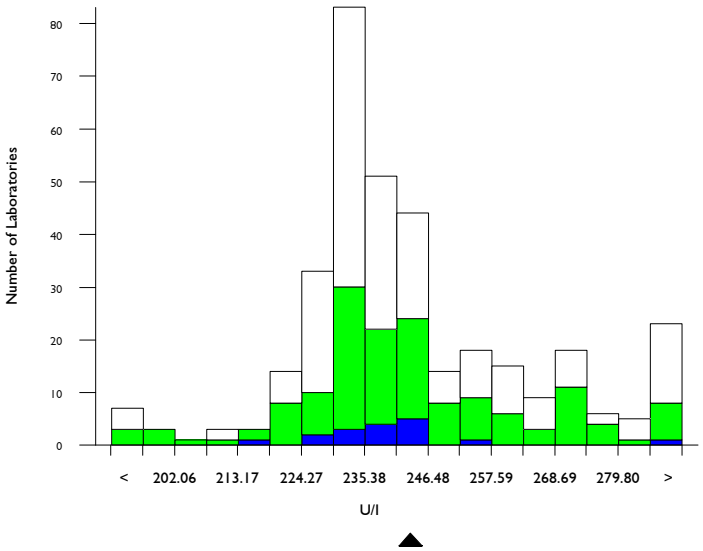
UKAS PROFICIENCY TESTING 0010

Amylase, Pancreatic, U/l @ 37°C

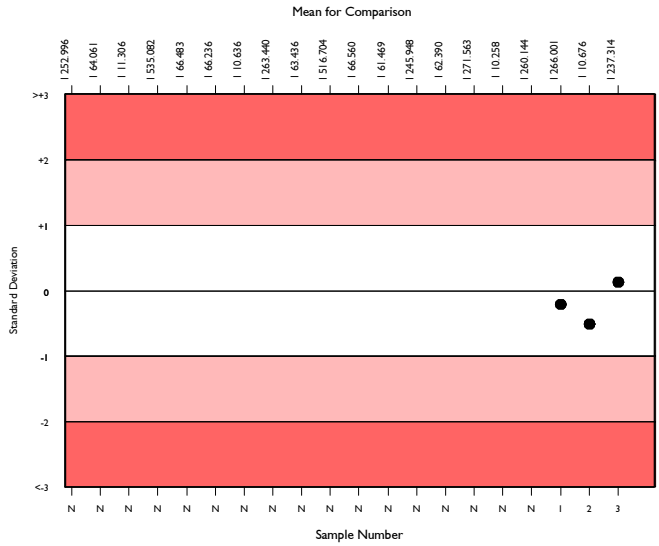
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	316	240.936	6.1	1.04	29.74	34
Immunoinhibition, EPS substrate	140	242.275	6.3	1.61	29.90	15
Abbott Architect c systems	14	237.314	2.2	1.71	29.29	3

▲ Your Result	241.000	SDI	0.13
		RMSDI	Too Few
Mean for Comparison	237.314	TS	120
		RMTS	Too Few
		%DEV	1.6
		RM%DEV	Too Few

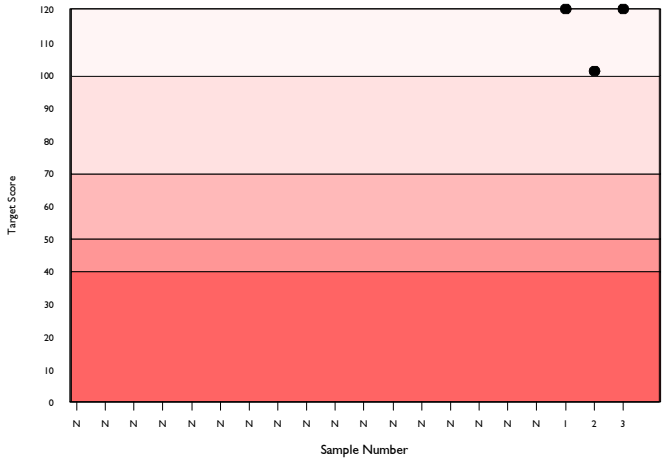
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	20.30%

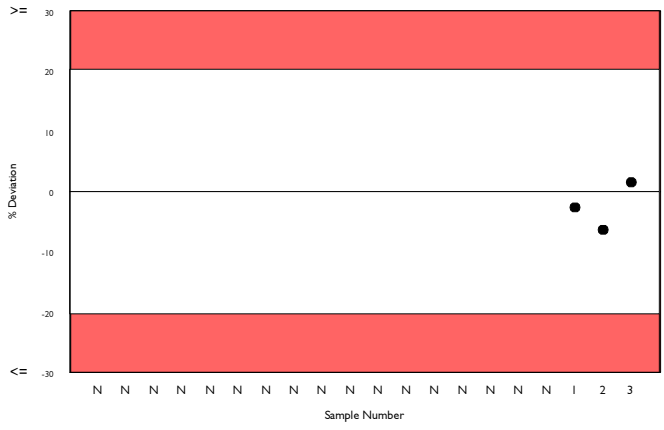


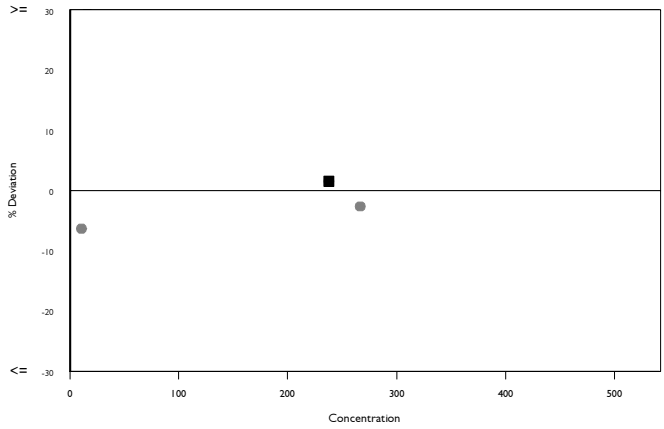
Method	N	Mean	CV%	U_m
Immunoinhibition, EPS substrate	140	242.275	6.3	1.61
Roche Liquid Stable pNPG7	124	235.493	3.1	0.83
Amyloclastic Methods	19	266.166	11.4	8.69
Beckman Synchron/CX/LXi/DxC	15	249.770	9.2	7.46
Other Dry Chemistry	8	237.475	17.1	17.93
Randox Liquid Stable pNPG7	8	260.034	6.8	7.81



TDPA = 20.3%







RIQAS

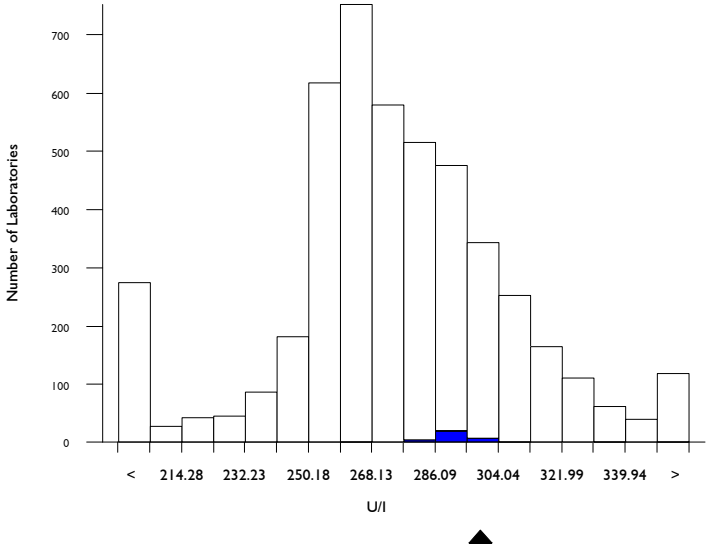
UKAS PROFICIENCY TESTING 0010

Amylase, Total, U/l @ 37°C

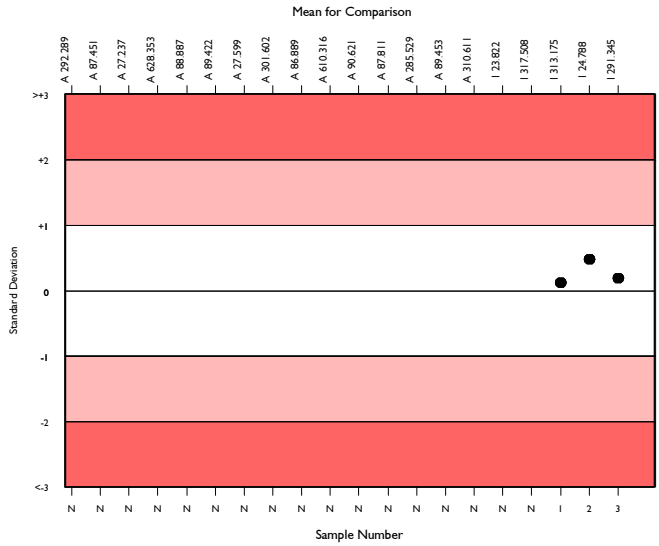
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	4256	277.115	8.6	0.46	28.47	425
Abbott Architect Amylase 2	30	291.233	1.7	1.10	29.92	5
Abbott Architect c systems	29	291.345	1.7	1.13	29.93	4

Your Result	297.000	SDI	0.19
		RMSDI	Too Few
Mean for Comparison	291.345	TS	120
		RMTS	Too Few
		%DEV	1.9
		RM%DEV	Too Few

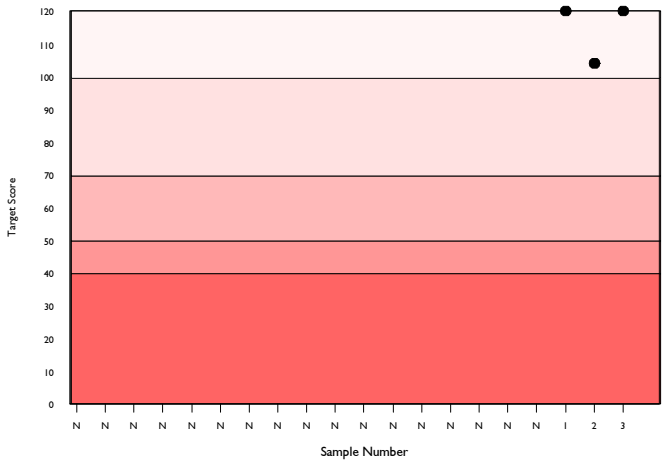
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	16.90%

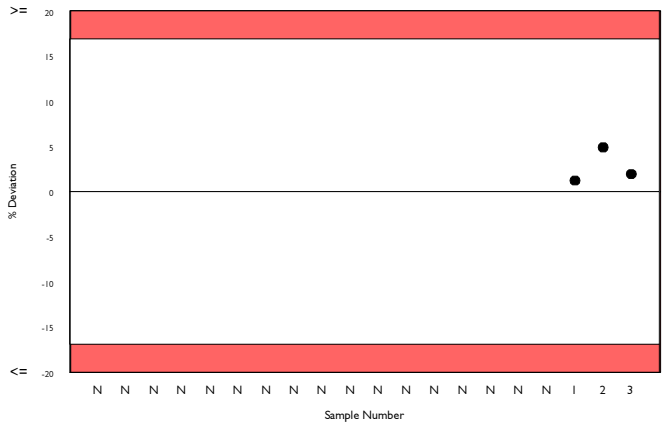


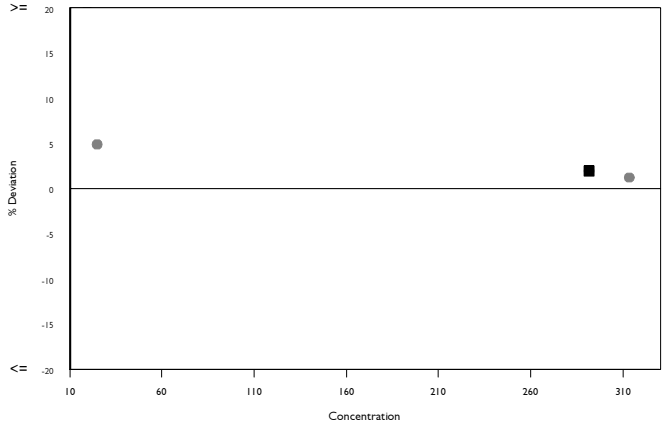
Method	N	Mean	CV%	U_m
Other 2-chloro-pNPG3	971	280.796	9.7	1.09
Roche liquid stable pNPG7	859	260.072	2.2	0.25
Beckman Olympus blocked pNPG7	226	275.164	4.0	0.92
Siemens/Dade Behring 2-chloro-pNPG3	227	314.799	2.6	0.69
Beckman CNPG3 (Master Cal)	204	272.927	3.5	0.83
Siemens - blocked pNPG7	166	292.551	5.6	1.59
Ortho Vitros MicroSlide Systems	149	169.362	4.9	0.85
Other - blocked pNPG7	139	278.104	6.9	2.04
Abbott Architect/Alinity cal factor 3431	116	292.054	2.1	0.71
Randox Liquid Ethylidene pNPG7	116	280.537	6.8	2.21
Other non blocked pNPG7	114	277.340	8.3	2.69
Roche Integra 2-chloro-pNPG7	73	262.347	3.1	1.17
Beckman Synchron AMY7	65	278.706	3.7	1.61
Human CNPG3 (IFCC)	60	280.842	8.4	3.79
Other 2-chloro-pNP-linked sub.	59	281.964	7.9	3.64
Agappe - CNPG3	60	288.499	8.4	3.93
BM/Roche Colorimetric pNPG7	53	259.047	2.7	1.19
Wiener Amilokit (AU/dl)	54	198.798	25.7	8.68
Abbott Alinity Amylase 2	49	290.420	1.4	0.71
Abbott Architect/Alinity cal factor 3806	53	308.809	5.8	3.09
pNP Maltotrioside substrates	46	278.768	9.4	4.84



TDPA = 16.9%







RIQAS

UKAS PROFICIENCY TESTING 0010

AST (GOT), U/l @ 37°C

	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	6758	154.476	8.7	0.20	13.90	617
Tris buffer without P5P	4475	149.829	6.9	0.19	13.48	392
Abbott Architect c systems	217	142.701	3.7	0.45	12.84	31

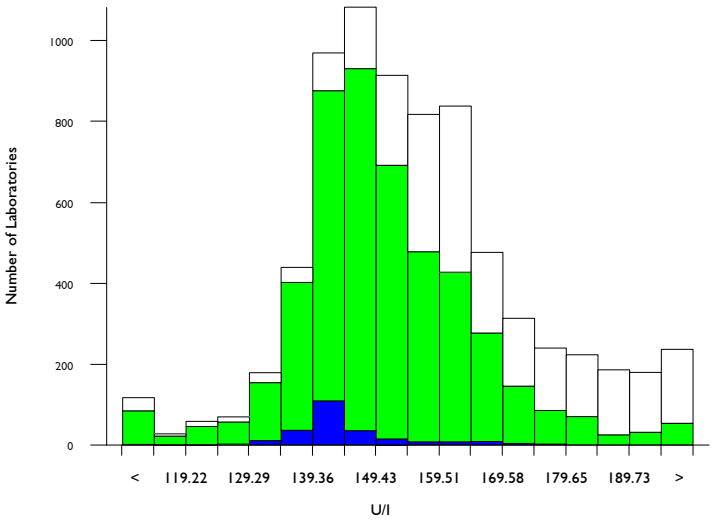
▲ Your Result	174.000	SDI	2.44
		RMSDI	Too Few
Mean for Comparison	142.701	TS	33
		RMTS	Too Few
		%DEV	21.9
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation N/A

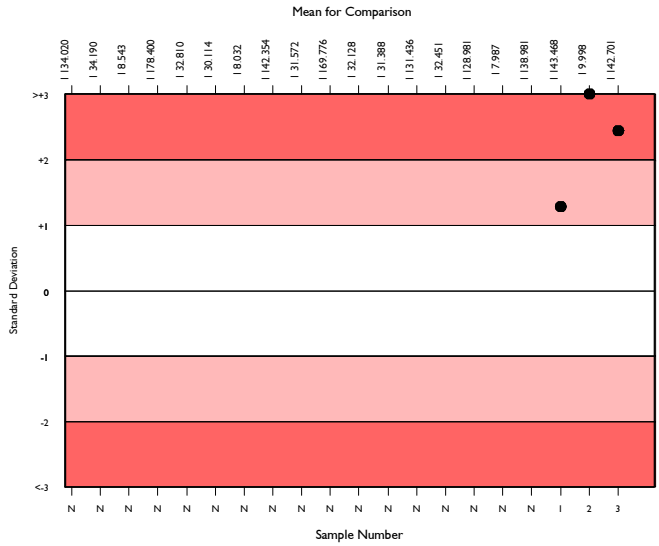
Acceptable limits of performance for RIQAS 14.80%

SDI in bottom 5% of peer group

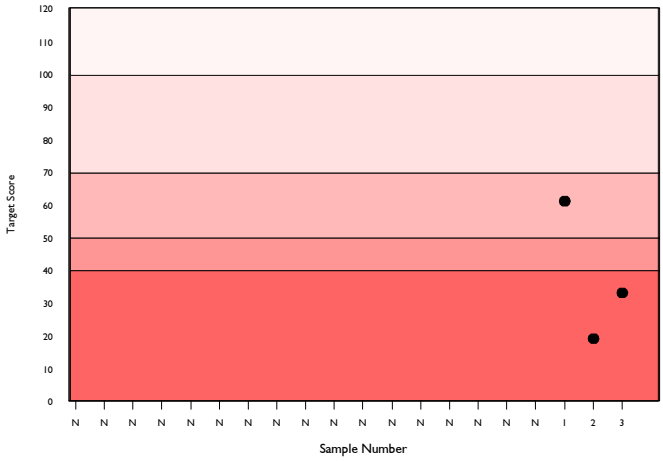
TS & %DEV outside limits

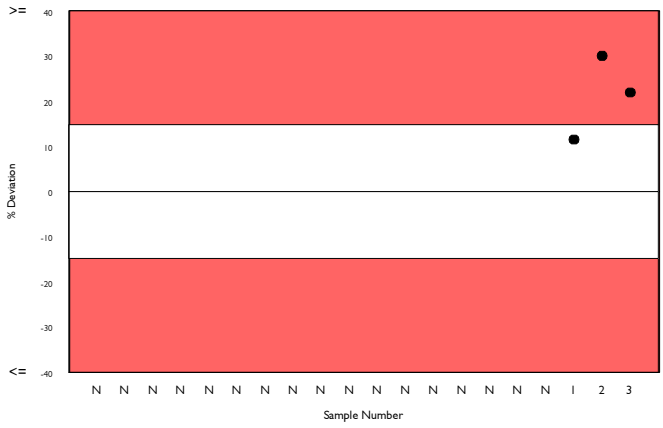


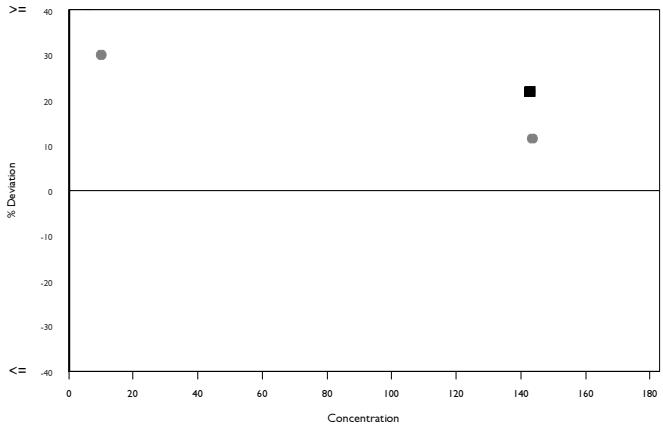
Method	N	Mean	CV%	U_m
Tris buffer without P5P	4475	149.829	6.9	0.19
Beckman Mod. IFCC Ref. without P5P	848	159.083	3.6	0.25
Tris buffer with P5P	650	174.264	9.5	0.81
Ortho Vitros MicroSlide visible	230	191.905	4.8	0.75
Siemens/Dade standard non IFCC corr.	167	179.197	5.3	0.91
Beckman IFCC Ref. with P5P	81	159.350	5.4	1.19
Agappe - IFCC	78	150.356	6.6	1.41
Other Dry Chemistry	57	155.089	4.7	1.21
Colorimetric	57	152.681	9.2	2.32
Abbott Alinity AST 2	36	164.858	7.2	2.46
Abbott Architect AST 2	26	167.184	4.9	2.02
Phosphate buffer, DGKC	24	159.046	6.8	2.78
Tris buffer with P5P, NVKC	20	150.705	5.0	2.12
Tris buffer, SCE	14	152.871	6.2	3.16
Beckman (Extinction Coefficient)	10	158.775	4.4	2.75
Vitros DT60/DT60 II/DTSC II	2	148.500	3.3	4.37
MDH - JSCC	2	161.500	29.3	41.87



TDPA = 14.8%







RIQAS

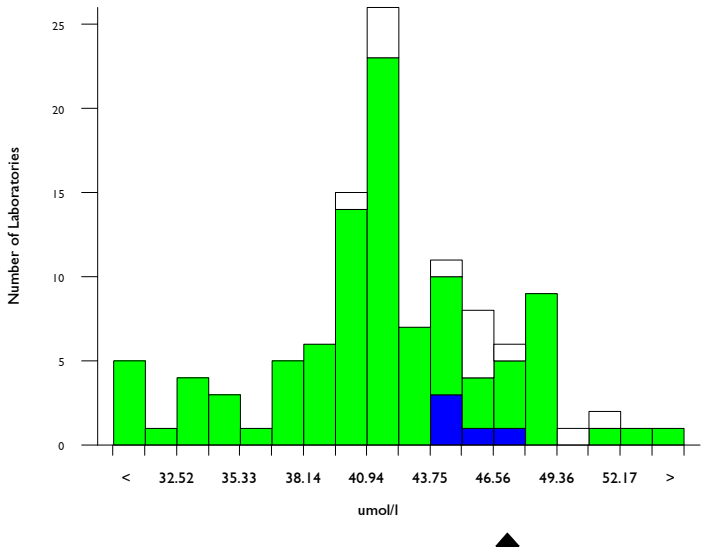
UKAS PROFICIENCY TESTING 0010

Bile Acids, umol/l

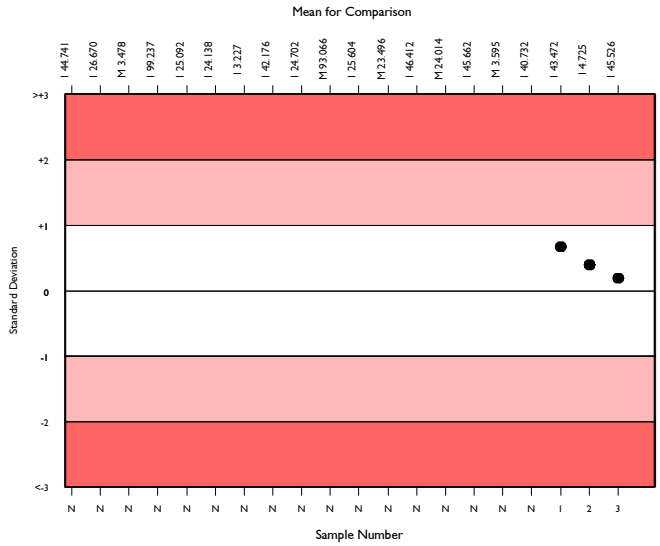
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	101	42.352	8.8	0.47	6.31	11
Enzymatic Colorimetric	91	41.978	9.2	0.51	6.25	9
Abbott Architect c systems	5	45.526	2.1	0.54	6.78	0

Your Result	46.800	SDI	0.19
		RMSDI	Too Few
Mean for Comparison	45.526	TS	120
		RMTS	Too Few
		%DEV	2.8
		RM%DEV	Too Few

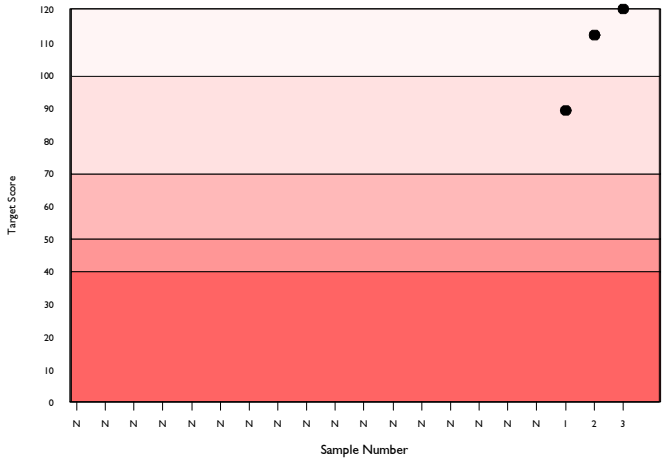
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	24.50%

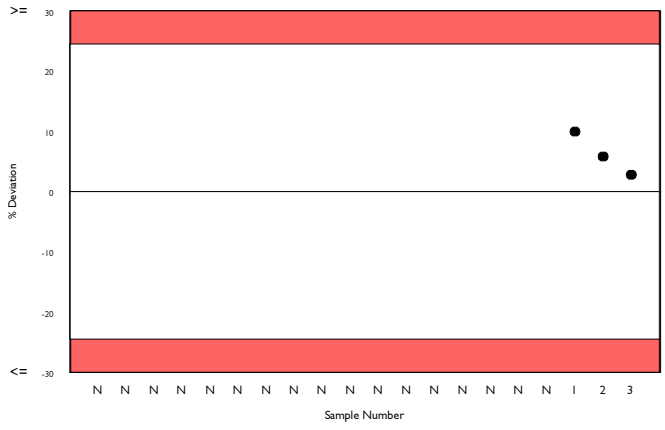


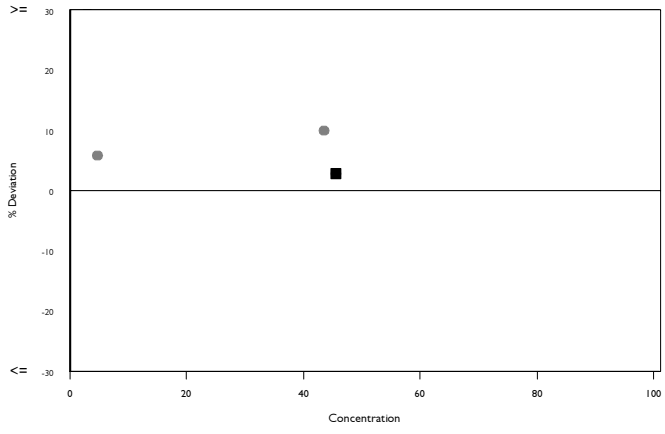
Method	N	Mean	CV%	U_m
Enzymatic Colorimetric	91	41.978	9.2	0.51
Enzymatic Colorimetric - Sentinel	11	44.617	6.1	1.03



TDPA = 24.5%







RIQAS

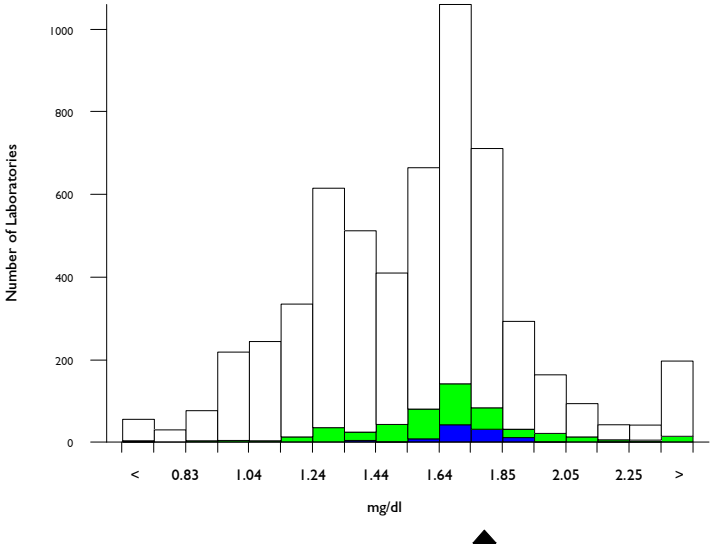
UKAS PROFICIENCY TESTING 0010

Bilirubin, Direct, mg/dl

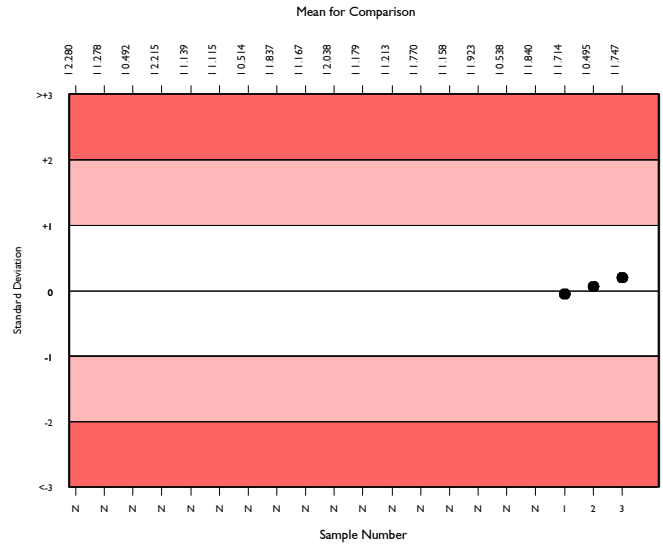
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	5336	1.548	17.4	0.00	0.24	419
Diazo with Dichloroanaline	481	1.658	11.7	0.01	0.26	41
Abbott Architect c systems	90	1.747	4.3	0.01	0.27	11

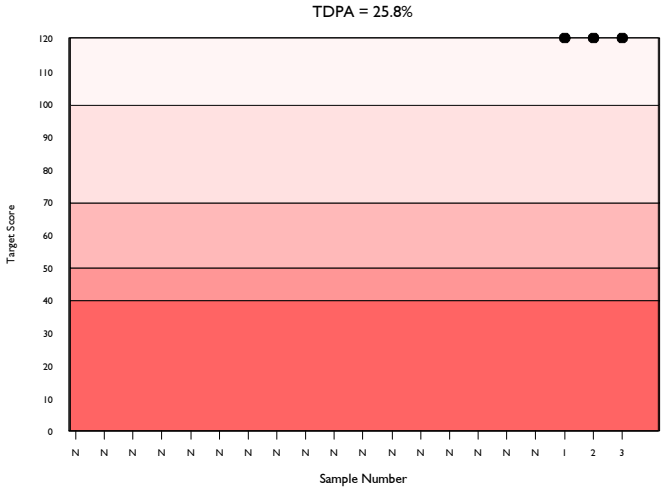
▲ Your Result	1.800	SDI	0.19
		RMSDI	Too Few
Mean for Comparison	1.747	TS	120
		RMTS	Too Few
		%DEV	3.0
		RM%DEV	Too Few

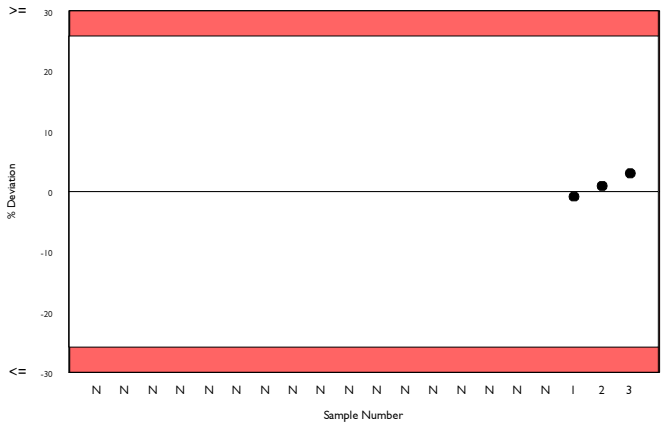
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	25.80%

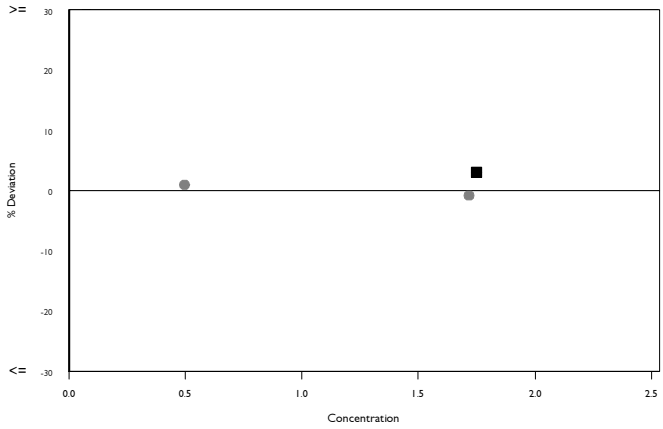


Method	N	Mean	CV%	U_m
Diazo with Sulphanilic Acid	1914	1.575	16.0	0.01
Dichlorophenyl Diazonium	1531	1.502	16.9	0.01
Diazo with Dichloroanaline	481	1.658	11.7	0.01
Roche DPD JG standardised	348	1.741	5.7	0.01
Oxidation to Biliverdin/Vanadate	336	1.695	7.0	0.01
Diazo/ Sulphanilic Siemens Dimension	256	1.035	4.9	0.00
Roche DPD Doumas standardised	191	1.586	10.7	0.02
Diazo/Sulphanilic Beckman DxC	107	1.253	7.7	0.01
Agappe - DIAZO	63	0.951	23.9	0.04
Other Dry Chemistry	44	2.255	11.1	0.05
Direct Spectrophotometry	5	1.425	47.7	0.38
Roche (US calibrator only)	4	1.747	5.0	0.05









RIQAS

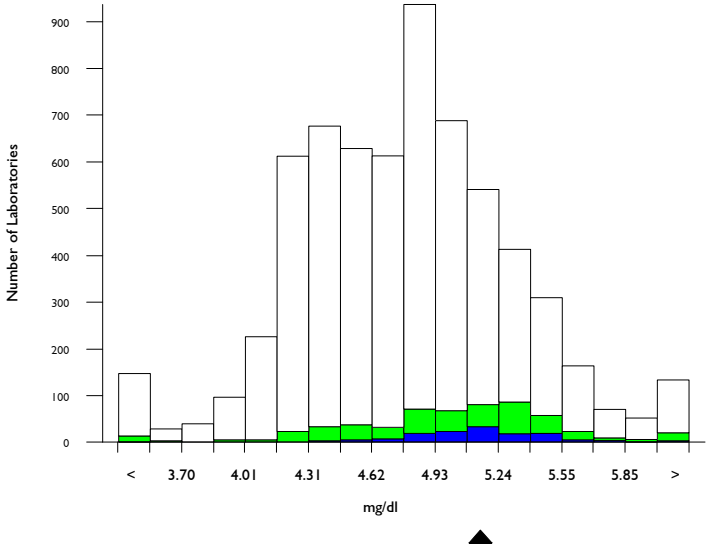
UKAS PROFICIENCY TESTING 0010

Bilirubin, Total, mg/dl

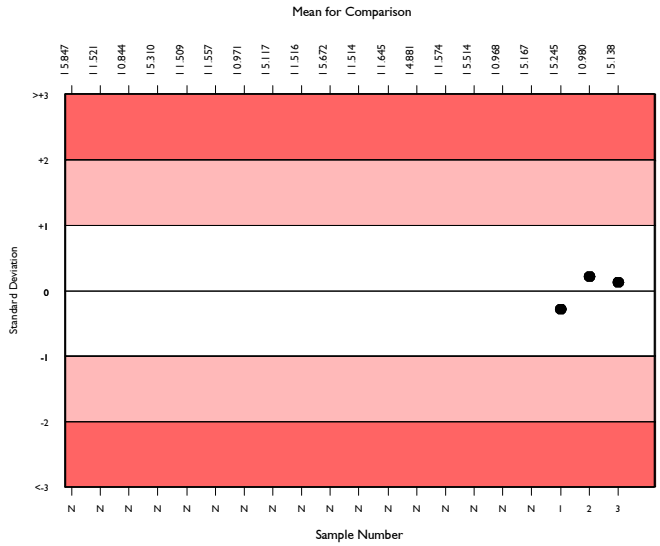
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	5913	4.780	8.6	0.01	0.46	457
Diazo with Dichloroaniline	528	5.029	7.9	0.02	0.49	42
Abbott Architect c systems	131	5.138	5.4	0.03	0.50	10

▲ Your Result	5.200	SDI	0.12
		RMSDI	Too Few
Mean for Comparison	5.138	TS	120
		RMTS	Too Few
		%DEV	1.2
		RM%DEV	Too Few

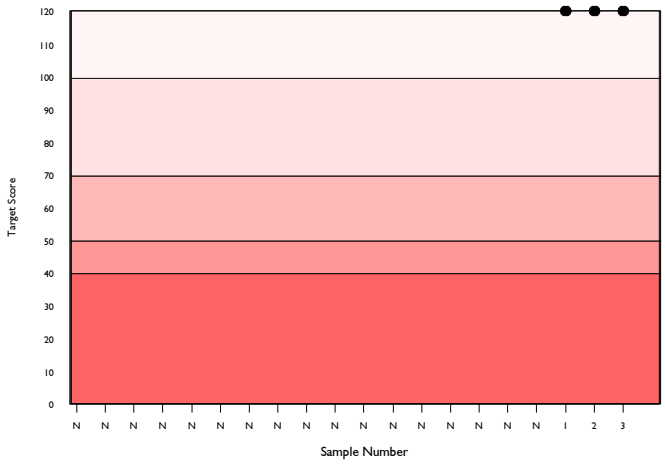
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	15.90%

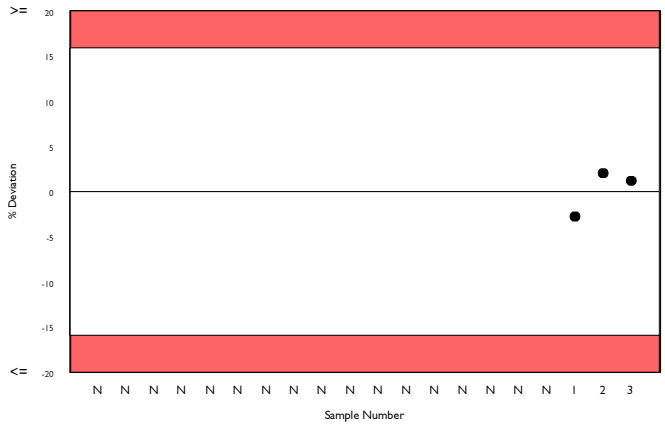


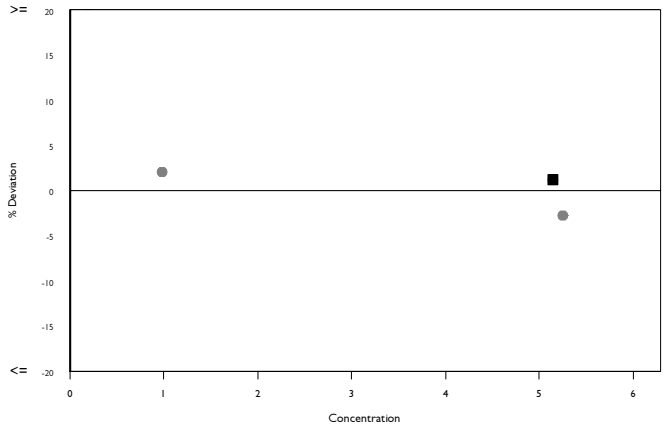
Method	N	Mean	CV%	U_m
Diazo with Sulphanilic Acid	2168	4.848	7.7	0.01
Dichlorophenyl Diazonium	1291	4.529	7.1	0.01
DPD (Beckman AU)	534	4.927	3.4	0.01
Diazonium ion	540	4.539	8.3	0.02
Diazo with Dichloroaniline	528	5.029	7.9	0.02
Oxidation to Biliverdin/Vanadate	364	5.286	5.5	0.02
Ortho Vitros MicroSlide System Total Bil	201	4.374	6.2	0.02
Other Dry Chemistry	55	4.500	5.2	0.04
Agappe - TAB	52	4.829	5.7	0.05
Nitrobenzenediazonium Salt	26	4.573	4.7	0.05
Abbott Alinity Total Bilirubin 2	14	4.979	7.1	0.12
Agappe - DMSO	13	4.828	9.0	0.15
Direct Spectrophotometry	10	4.631	10.4	0.19
Abbott Architect Total Bilirubin 2	5	4.973	15.0	0.42
Vitros DT60/DT60 II Total Bil	5	4.832	13.8	0.37
Assel - DMSO	3	4.893	12.3	0.44



TDPA = 15.9%







RIQAS

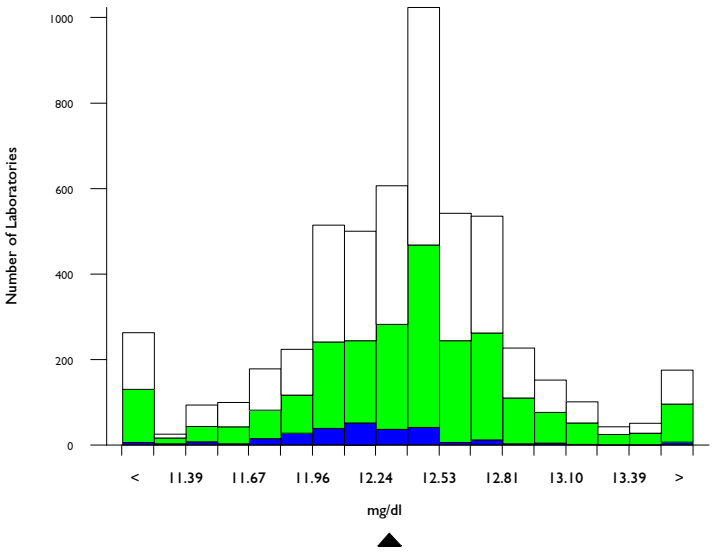
UKAS PROFICIENCY TESTING 0010

Calcium, mg/dl

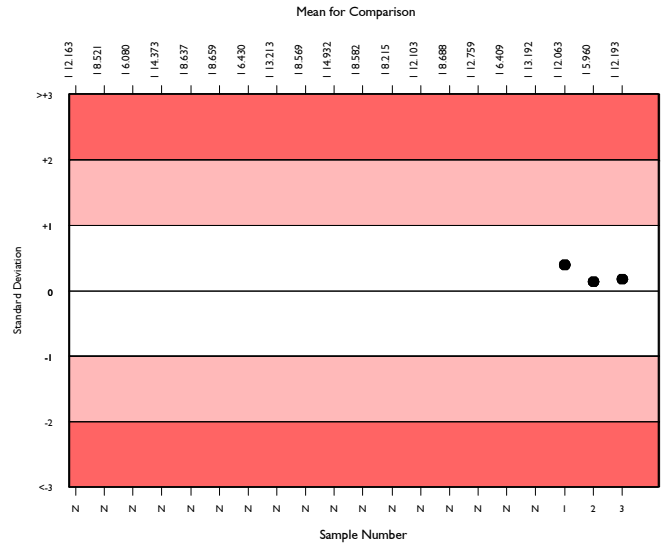
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	4869	12.392	3.1	0.01	0.63	488
Arsenazo	2321	12.394	3.2	0.01	0.63	243
Abbott Architect c systems	241	12.193	2.3	0.02	0.62	28

Your Result	12.300	SDI	0.17
		RMSDI	Too Few
Mean for Comparison	12.193	TS	120
		RMTS	Too Few
		%DEV	0.9
		RM%DEV	Too Few

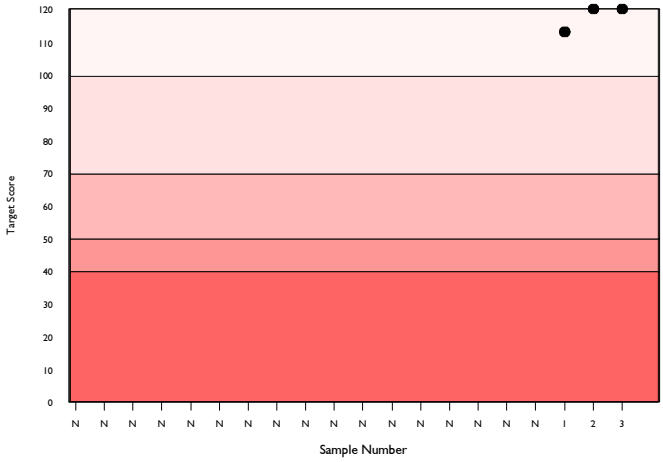
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	8.30%

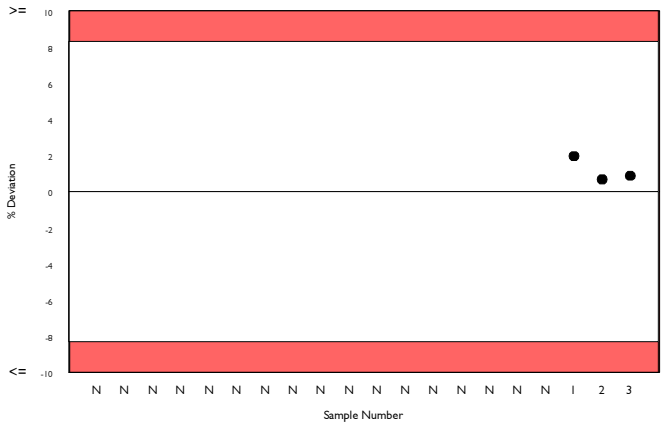


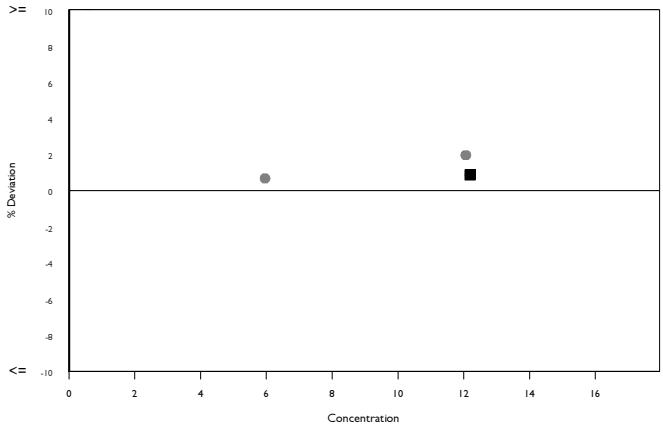
Method	N	Mean	CV%	U_m
Arsenazo	2321	12.394	3.2	0.01
Cresolphthalein complexone	1146	12.377	3.0	0.01
NM-BAPTA	910	12.458	2.0	0.01
Ortho Vitros MicroSlide Systems	219	12.013	2.6	0.03
Ion selective electrode	128	12.241	6.1	0.08
Agappe - ARSENAZO	42	12.715	4.2	0.10
Other Dry Chemistry	39	12.850	3.4	0.09
Phosphonazo	25	12.220	6.0	0.18
Methylthymol blue	15	12.310	5.0	0.20
Atomic absorption	4	12.168	2.5	0.19
Optical Emission Spectroscopy	3	13.233	8.1	0.77
Agappe - OCPC	3	11.537	17.0	1.42
Vitros DT60/DT60 II/DTSC II	2	12.000	0.0	0.00



TDPA = 8.3%







RIQAS

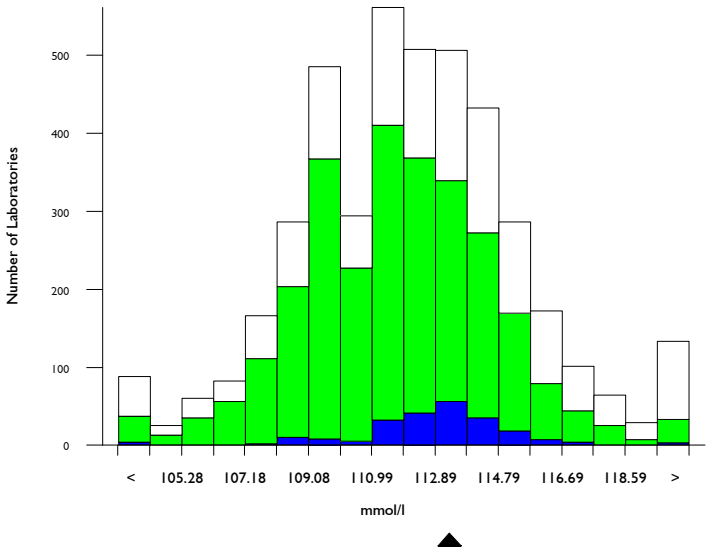
UKAS PROFICIENCY TESTING 0010

Chloride, mmol/l

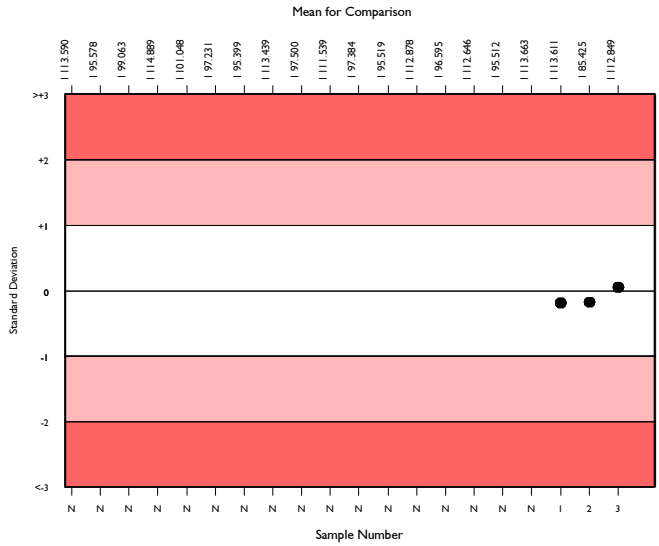
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	3971	111.940	2.3	0.05	3.13	308
ISE, indirect	2601	111.611	1.9	0.05	3.12	195
Abbott Architect c systems	202	112.849	1.3	0.13	3.16	24

▲ Your Result	113.000	SDI	0.05
		RMSDI	Too Few
Mean for Comparison	112.849	TS	120
		RMTS	Too Few
		%DEV	0.1
		RM%DEV	Too Few

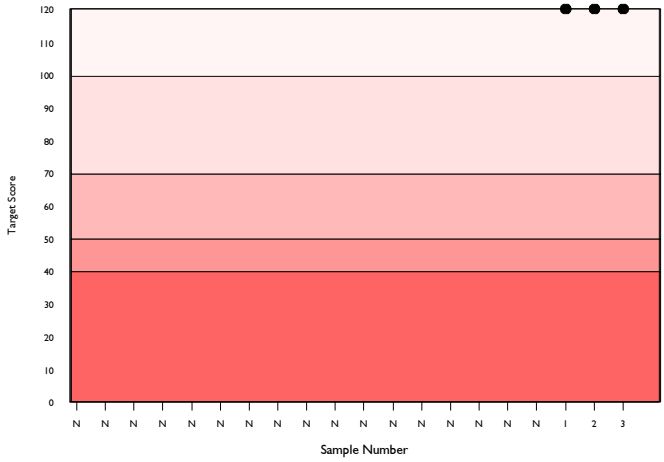
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	4.60%

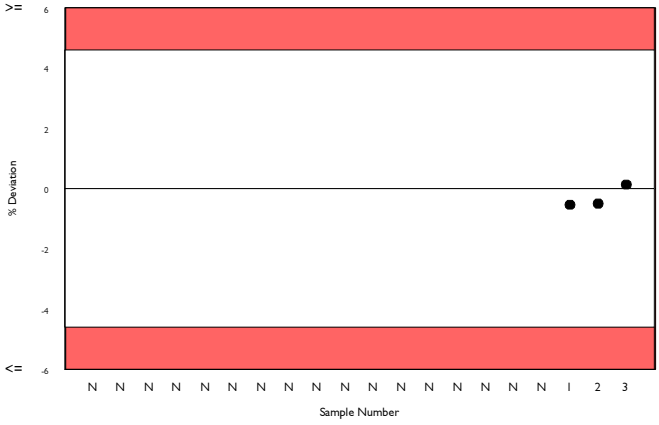


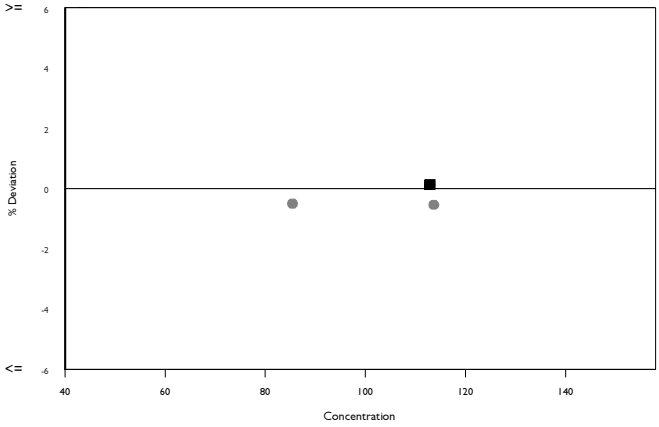
Method	N	Mean	CV%	U_m
ISE, indirect	2601	111.611	1.9	0.05
ISE, direct	1040	112.639	2.8	0.12
Ortho Vitros MicroSlide Systems	142	113.610	1.9	0.22
Colorimetric	104	110.177	3.7	0.49
Other Dry Chemistry	43	112.021	2.9	0.61
Agappe - THIOCYANATE	23	115.687	2.0	0.60
Optical Fluorescence	3	125.700	9.8	8.91



TDPA = 4.6%







RIQAS

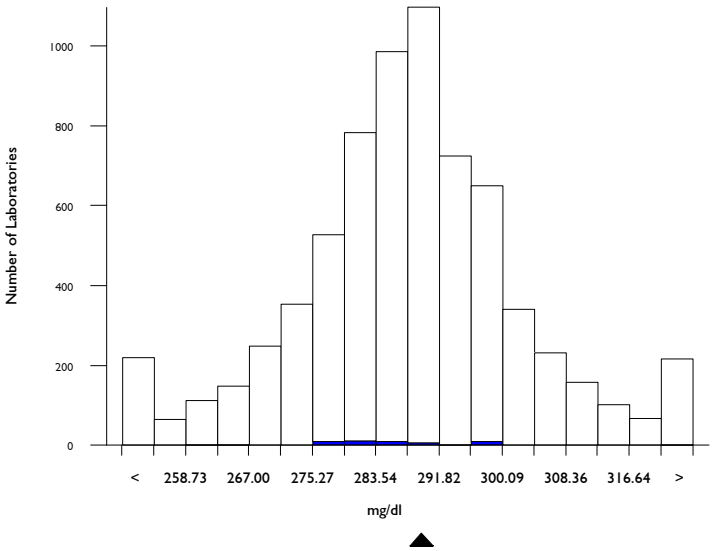
UKAS PROFICIENCY TESTING 0010

Cholesterol, mg/dl

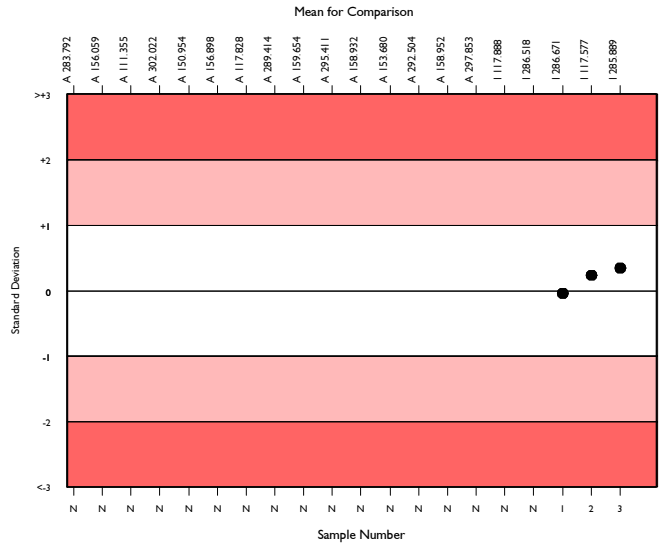
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	6406	287.686	3.8	0.17	15.04	616
Abbott Architect Cholesterol 2	45	285.889	2.4	1.30	14.95	3
Abbott Architect c systems	45	285.889	2.4	1.30	14.95	1

Your Result	291.000	SDI	0.34
		RMSDI	Too Few
Mean for Comparison	285.889	TS	118
		RMTS	Too Few
		%DEV	1.8
		RM%DEV	Too Few

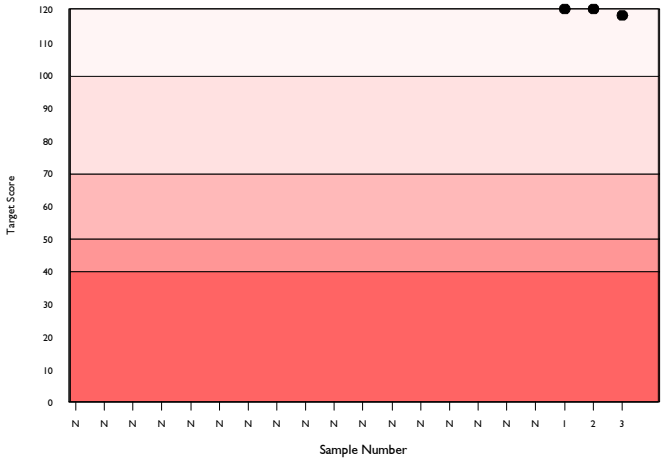
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	8.60%

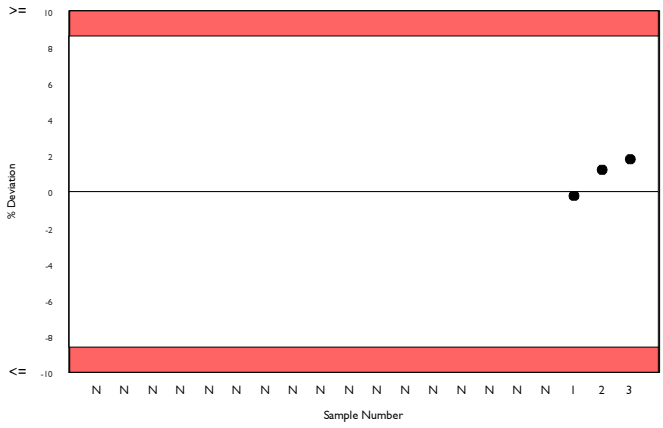


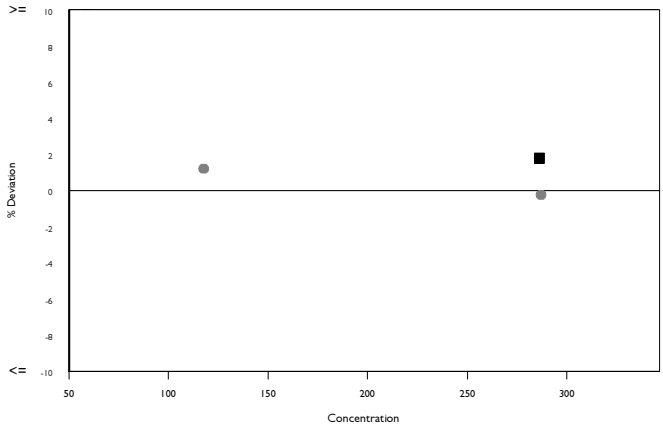
Method	N	Mean	CV%	U_m
Cholesterol Oxidase - Abell Kendall	4630	288.655	3.7	0.20
Cholesterol Oxidase - IDMS	895	290.590	3.3	0.40
Siemens Dimension	245	277.814	2.8	0.62
Ortho Vitros MicroSlide Systems	231	273.688	2.8	0.62
Cholesterol Dehydrogenase	132	288.277	3.8	1.18
Agappe - CHOD-PAP	83	286.653	3.9	1.52
Abbott Alinity Cholesterol 2	59	285.320	2.3	1.05
Other Dry Chemistry	54	268.064	5.1	2.32
Abbott Architect Cholesterol 2	45	285.889	2.4	1.30
Dimension - non Siemens reagents	4	278.788	4.8	8.31



TDPA = 8.6%







RIQAS

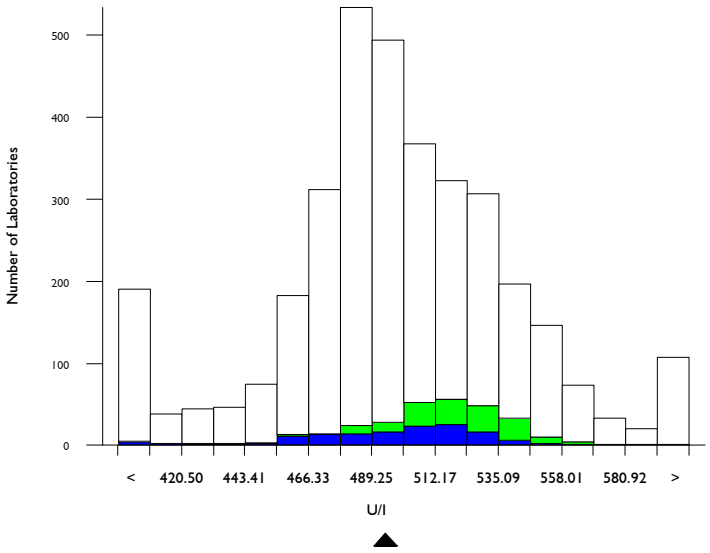
UKAS PROFICIENCY TESTING 0010

CK, Total, U/l @ 37°C

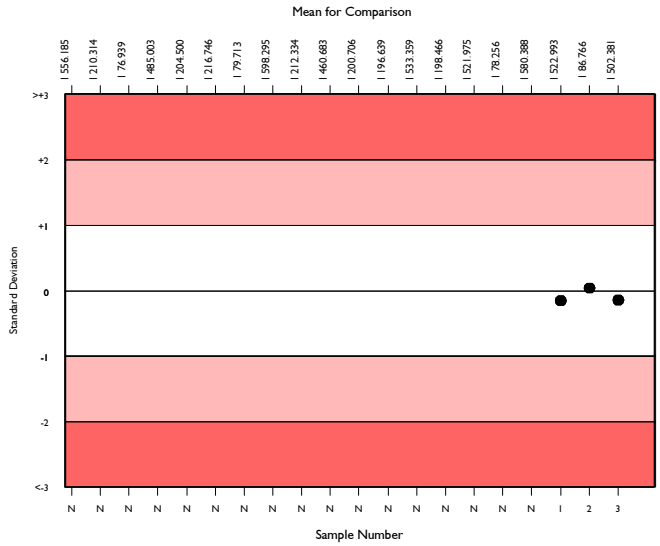
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	3136	500.715	6.1	0.68	36.53	346
Abbott CK-NAC (IFCC)	277	512.367	4.4	1.67	37.38	22
Abbott Architect c systems	127	502.381	4.7	2.61	36.65	11

Your Result	497.000	SDI	-0.15
		RMSDI	Too Few
Mean for Comparison	502.381	TS	120
		RMTS	Too Few
		%DEV	-1.1
		RM%DEV	Too Few

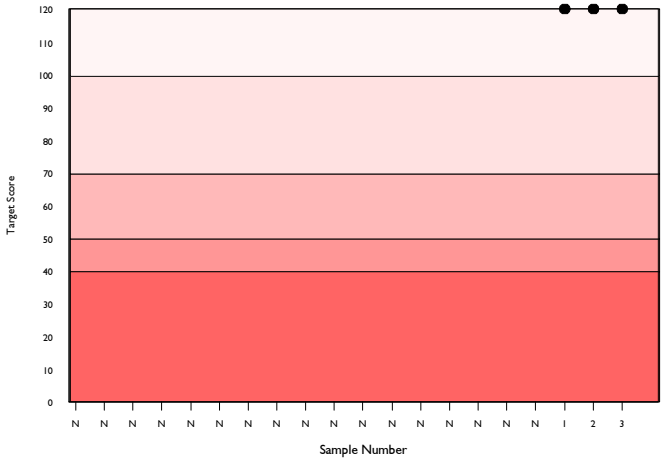
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	12.00%

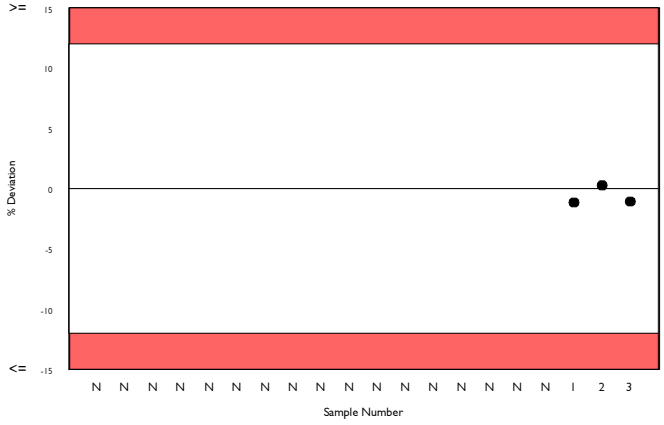


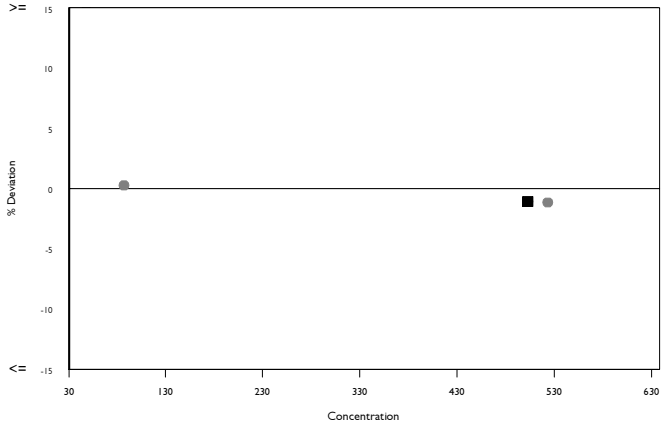
Method	N	Mean	CV%	U_m
CK-NAC (IFCC)	1816	492.680	4.7	0.68
Beckman CK-NAC (IFCC)	444	529.318	3.7	1.16
Abbott CK-NAC (IFCC)	277	512.367	4.4	1.67
Ortho Vitros MicroSlide Systems	147	406.408	7.3	3.07
CK-NAC substrate start (DGKC)	149	494.963	6.4	3.26
CK-NAC serum start (DGKC)	89	496.707	7.3	4.80
Creatine phosphate substrate start	84	487.853	3.7	2.46
Monothioglycerol	53	535.869	4.0	3.72
Agappe - IFCC/KINETIC	33	517.544	5.8	6.55
Other Dry Chemistry	25	669.960	3.8	6.30
Beckman CK-NAC (Extinction Coeff)	12	538.671	3.2	6.21
Dithioerythritol (DTE), IFCC correlated	9	494.422	5.1	10.57



TDPA = 12%







RIQAS

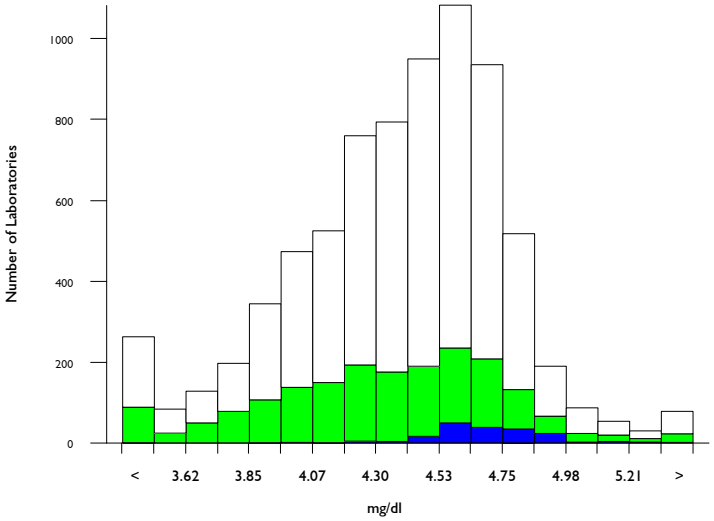
UKAS PROFICIENCY TESTING 0010

Creatinine, mg/dl

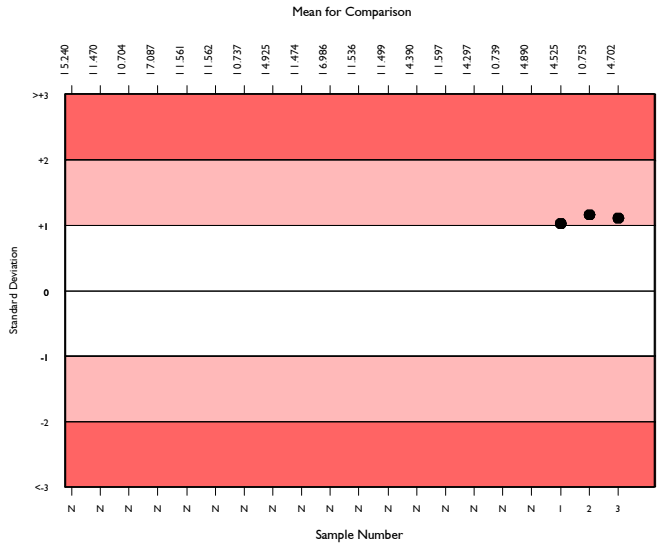
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	6962	4.417	6.8	0.00	0.34	532
Alkaline picrate no deproteinisation	1786	4.377	8.0	0.01	0.34	133
Abbott Architect c systems	170	4.702	3.1	0.01	0.36	22

▲ Your Result	5.100	SDI	1.10
		RMSDI	Too Few
Mean for Comparison	4.702	TS	67
		RMTS	Too Few
		%DEV	8.5
		RM%DEV	Too Few

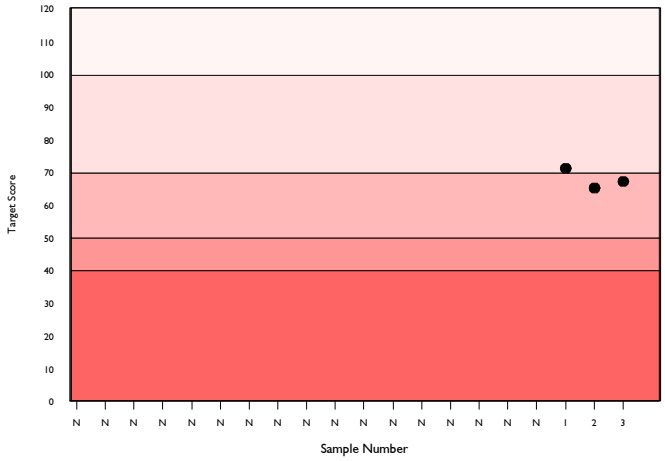
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	12.60%

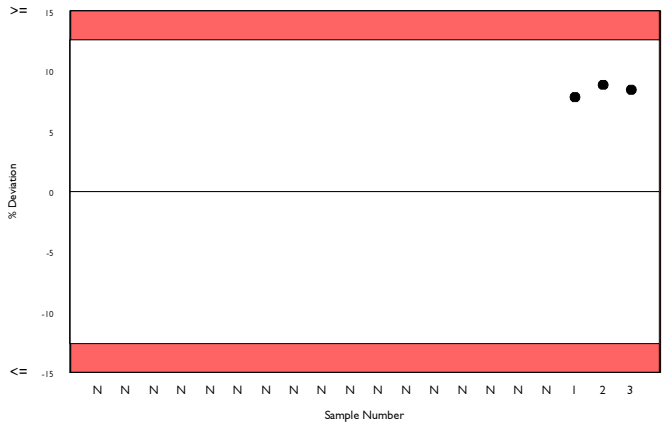


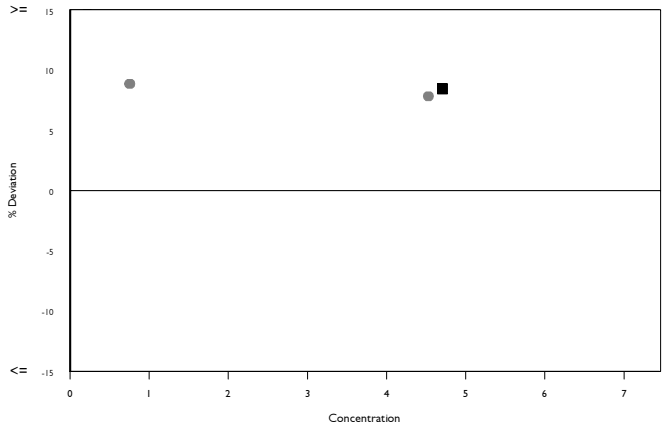
Method	N	Mean	CV%	U_m
Alkaline picrate no deproteinisation	1786	4.377	8.0	0.01
Jaffe rate blanked	1623	4.216	7.1	0.01
Jaffe rate blanked comp. (-26umol/l)	809	4.507	3.7	0.01
Enzymatic UV method (340nm)	363	4.596	4.2	0.01
Jaffe rate comp. (-18umol/l)	360	4.411	4.3	0.01
Roche Creatinine Plus	351	4.637	3.2	0.01
Other enzymatic methods	316	4.645	3.8	0.01
IDMS traceable	317	4.481	4.7	0.01
Creatinine PAP method	311	4.535	6.1	0.02
Vitros, IDMS traceable	161	4.660	3.0	0.01
Alkaline picrate with deproteinisation	160	4.343	6.2	0.03
Other Dry Chemistry	85	4.338	5.8	0.03
Agappe - JAFFE'S KINETIC	59	4.022	6.6	0.04
Jaffe rate blanked comp. (-33umol/l)	51	4.096	7.6	0.05
Vitros DT60/DT60 II/DTSC II	37	4.717	3.4	0.03
Abbott Architect Creatinine 2	35	4.648	1.8	0.02
Abbott Alinity Creatinine 2	26	4.656	2.8	0.03
Agappe - ENZYMATIC	22	4.287	8.2	0.09



TDPA = 12.6%







RIQAS

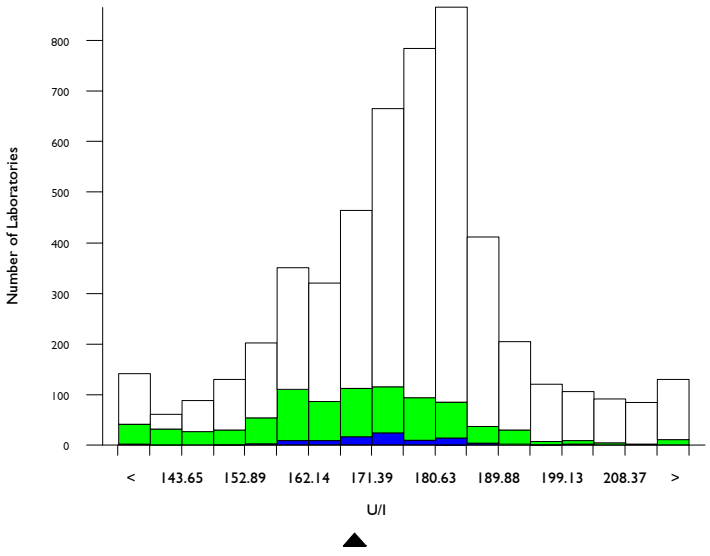
UKAS PROFICIENCY TESTING 0010

GGT, U/l @ 37°C

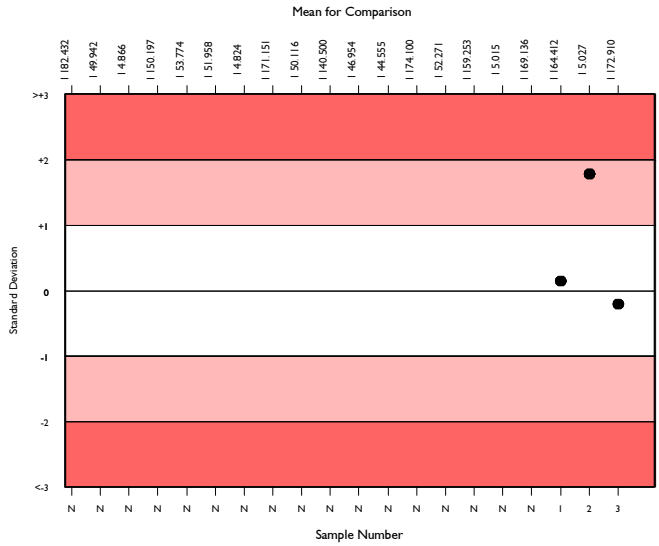
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	4758	176.016	7.0	0.22	19.15	460
Gamma glut.-3-carb.-4-nitro.	825	168.843	7.7	0.56	18.37	65
Abbott Architect c systems	91	172.910	4.7	1.07	18.82	8

▲ Your Result	169.000	SDI	-0.21
		RMSDI	Too Few
Mean for Comparison	172.910	TS	120
		RMTS	Too Few
		%DEV	-2.3
		RM%DEV	Too Few

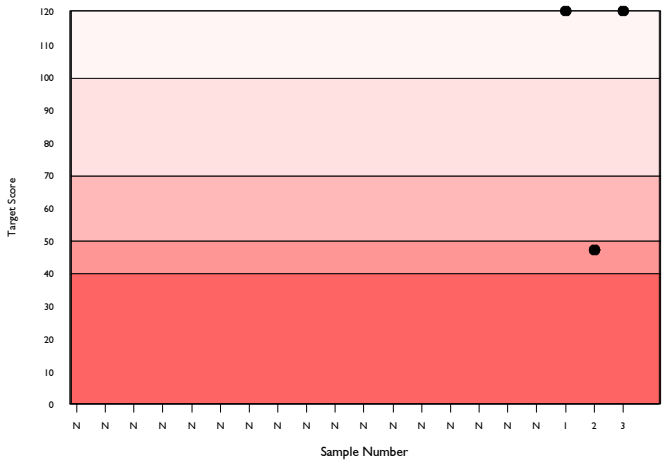
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	17.90%

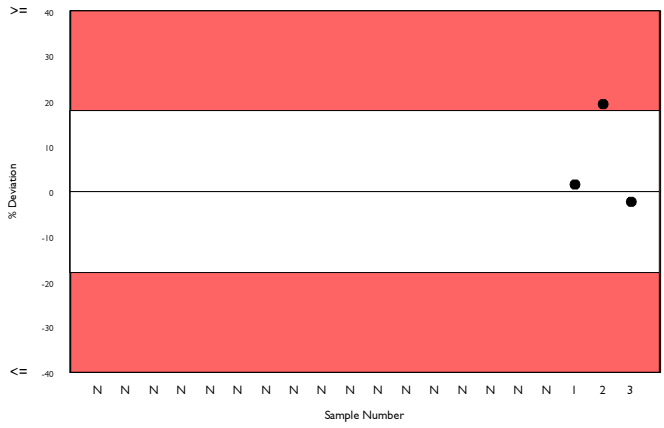


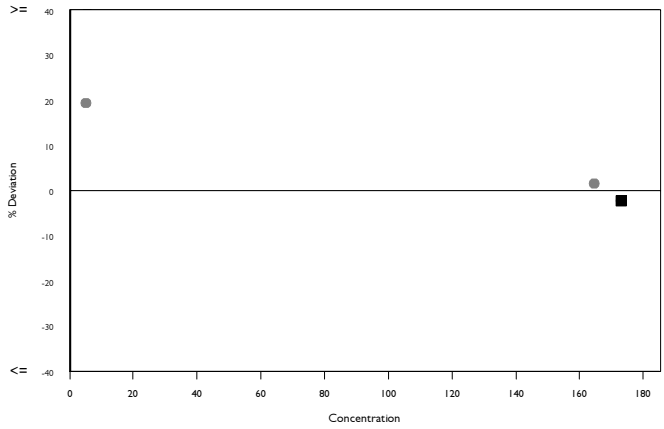
Method	N	Mean	CV%	U_m
Gamma glut'3-carb'4-nitro(IFCC)	3146	176.575	5.5	0.22
Gamma glut.-3-carb.-4-nitro.	825	168.843	7.7	0.56
Siemens Dimension	176	206.197	6.0	1.16
Ortho Vitros MicroSlide Systems	158	203.876	3.4	0.69
Gamma glutamyl-4-nitroanilide	109	170.139	10.3	2.10
DCL, gamma glut.-3-carb.-4-nitro.	100	174.947	5.4	1.19
Beckman Szasz (Extinction Coeff.)	67	172.900	6.8	1.80
Abbott Alinity GGT 2	63	177.689	2.4	0.66
Agappe - SZASZ KINETIC	59	186.762	7.3	2.22
Other Dry Chemistry	47	150.510	8.3	2.27
Abbott Architect GGT 2	19	178.458	2.8	1.43
Randox Colorimetric	5	167.450	5.6	5.23
Vitros, DT60/DT60 II/DTSC II	3	202.747	3.1	4.61



TDPA = 17.9%







RIQAS

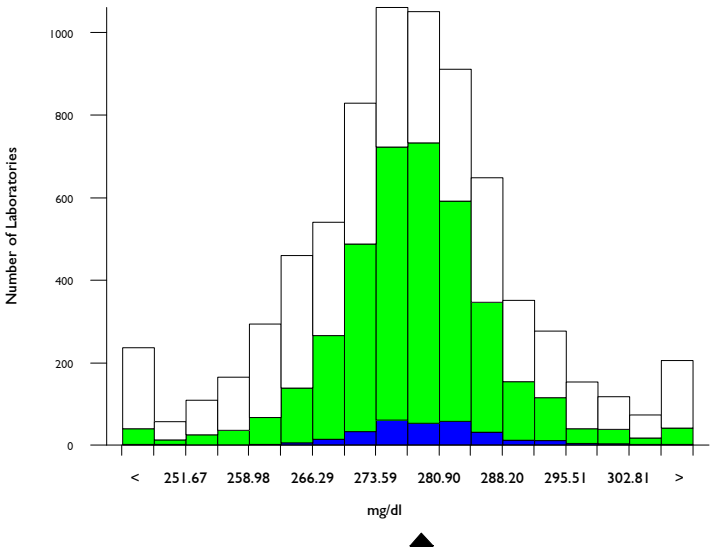
UKAS PROFICIENCY TESTING 0010

Glucose, mg/dl

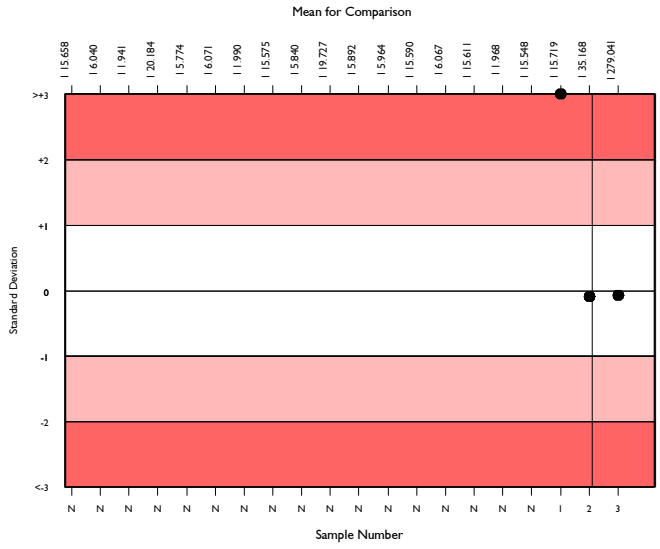
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	6888	277.250	3.5	0.15	14.33	651
Hexokinase	3580	278.146	2.5	0.14	14.37	290
Abbott Architect c systems	271	279.041	2.1	0.45	14.42	26

▲ Your Result	278.000	SDI	-0.07
		RMSDI	Too Few
Mean for Comparison	279.041	TS	120
		RMTS	Too Few
		%DEV	-0.4
		RM%DEV	Too Few

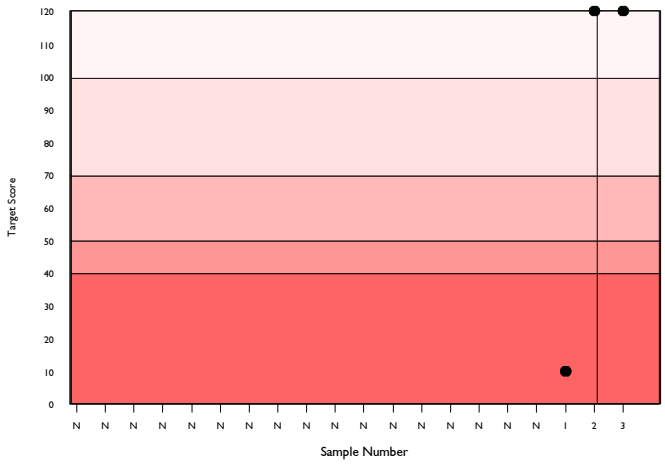
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	8.50%

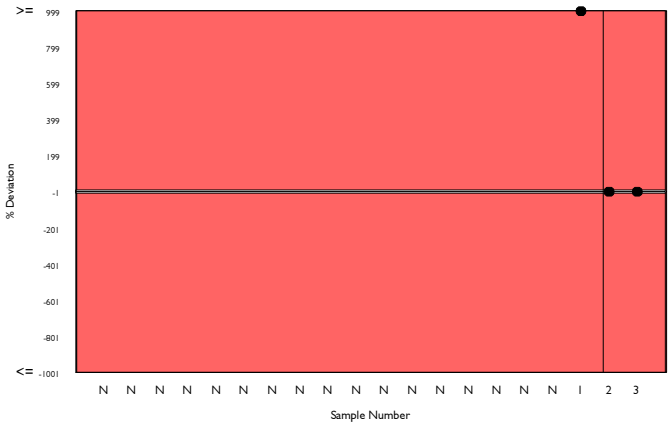


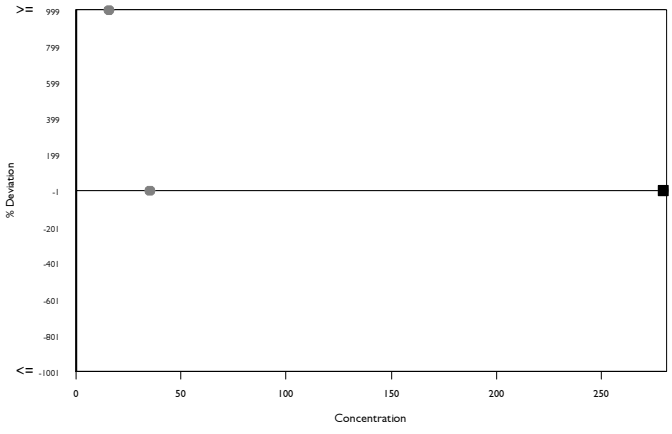
Method	N	Mean	CV%	U_m
Hexokinase	3580	278.146	2.5	0.14
Glucose oxidase	2880	277.351	4.7	0.30
Ortho Vitros MicroSlide Systems	226	263.401	2.6	0.56
Agappe - GOD-PAP	79	284.802	4.2	1.67
Glucose dehydrogenase	63	279.482	3.3	1.44
Other Dry Chemistry	49	264.379	2.9	1.37
GOD/02-Beckman method	34	282.909	3.4	2.07
Oxygen electrode	9	268.214	2.9	3.28
Pyranose Oxidase / Peroxidase	4	287.025	6.1	11.02
Vitros, DT60/DT60 II	2	263.429	2.4	5.53



TDPA = 8.5%







RIQAS

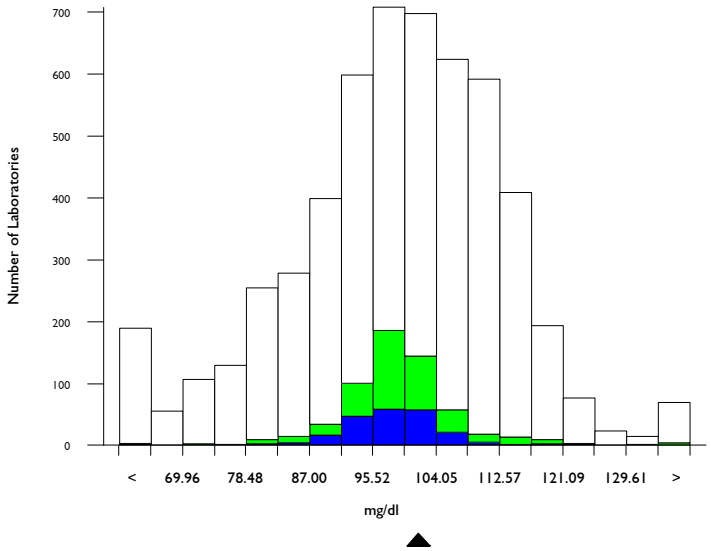
UKAS PROFICIENCY TESTING 0010

HDL-Cholesterol, mg/dl

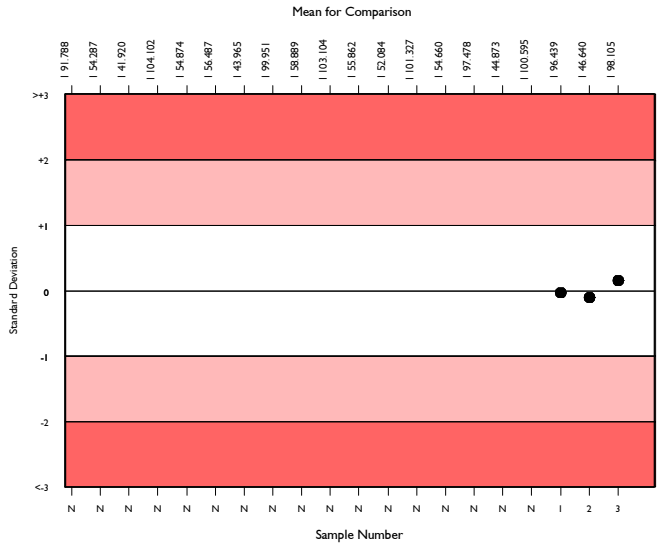
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	5029	99.790	11.4	0.20	12.80	395
HDL Ultra/Accel Selective Detergent	543	98.576	5.2	0.27	12.64	55
Abbott Architect c systems	199	98.105	4.8	0.42	12.58	17

▲ Your Result	100.000	SDI	0.15
		RMSDI	Too Few
Mean for Comparison	98.105	TS	120
		RMTS	Too Few
		%DEV	1.9
		RM%DEV	Too Few

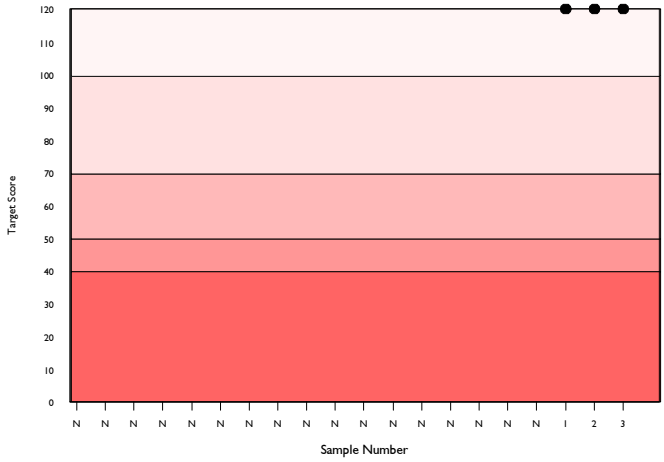
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	21.10%

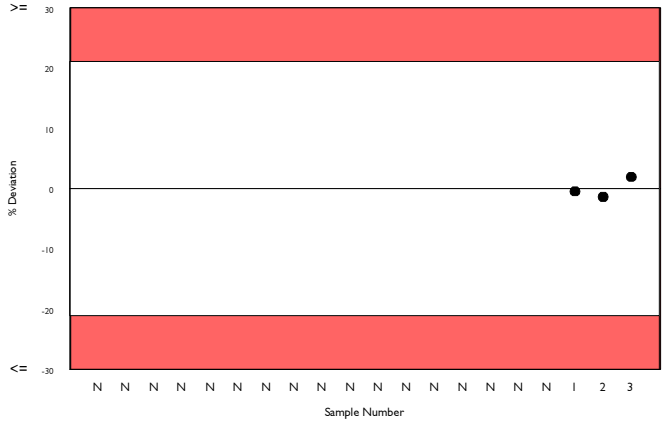


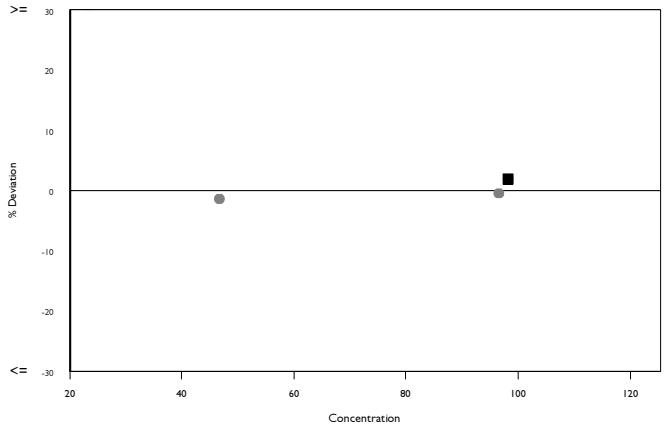
Method	N	Mean	CV%	U_m
Direct HDL, Roche 4th gen.	1318	110.252	4.6	0.17
Direct HDL, Clearance method	1036	92.339	13.2	0.47
Direct HDL, Immunoseparation	892	93.824	9.6	0.38
HDL Ultra/Accel Selective Detergent	543	98.576	5.2	0.27
Direct HDL, PEGME	501	93.597	16.3	0.85
Direct HDL, PPD	350	99.186	8.3	0.55
Vitros dHDL, PTA/MgCl2 direct precip.	173	91.070	6.3	0.54
Other Dry Chemistry	53	101.047	11.5	2.00
Agappe - SELECTIVE INHIBITION	61	112.565	6.1	1.10
Vitros, Magnetic HDL	23	91.018	6.8	1.61
Vitros 5.1 FS Microtip assay	12	87.301	7.3	2.31



TDPA = 21.1%







RIQAS

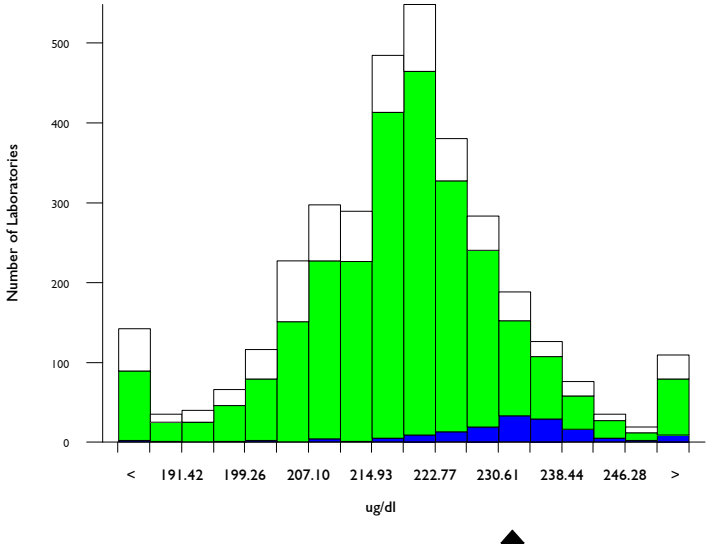
UKAS PROFICIENCY TESTING 0010

Iron, ug/dl

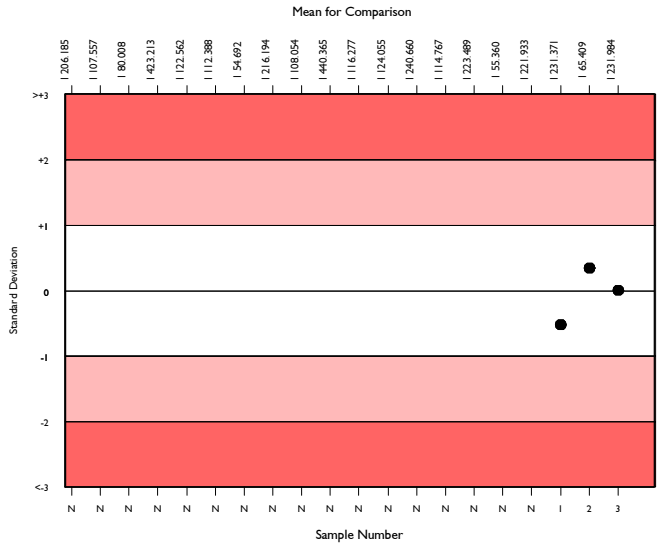
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	3158	218.858	4.8	0.23	13.31	303
Colorimetric without ppt.	2532	219.495	4.5	0.25	13.34	216
Abbott Architect c systems	132	231.984	3.0	0.75	14.10	19

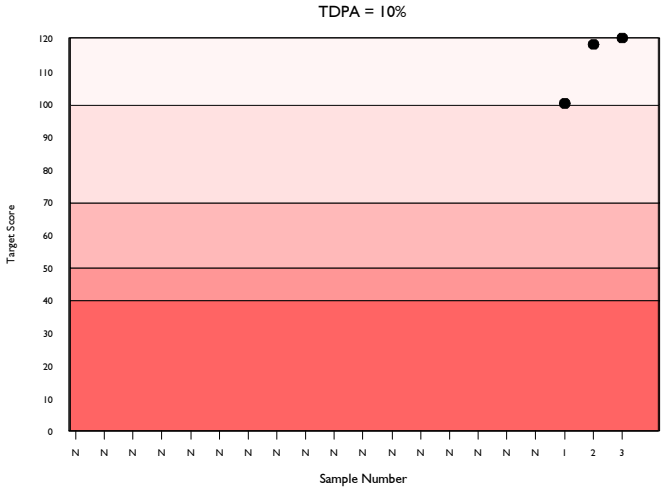
▲ Your Result	232.000	SDI	0.00
		RMSDI	Too Few
Mean for Comparison	231.984	TS	120
		RMTS	Too Few
		%DEV	0.0
		RM%DEV	Too Few

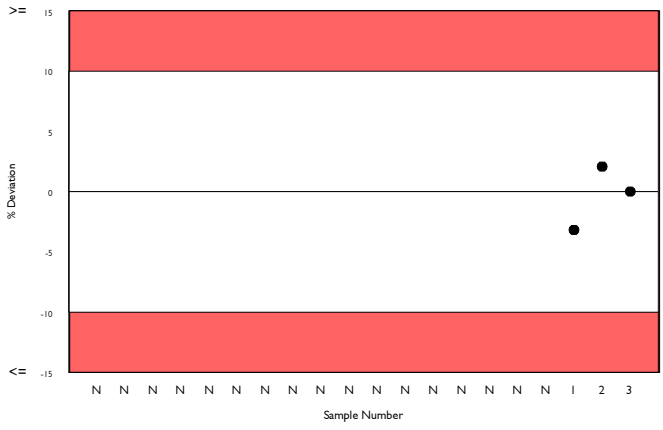
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	10.00%

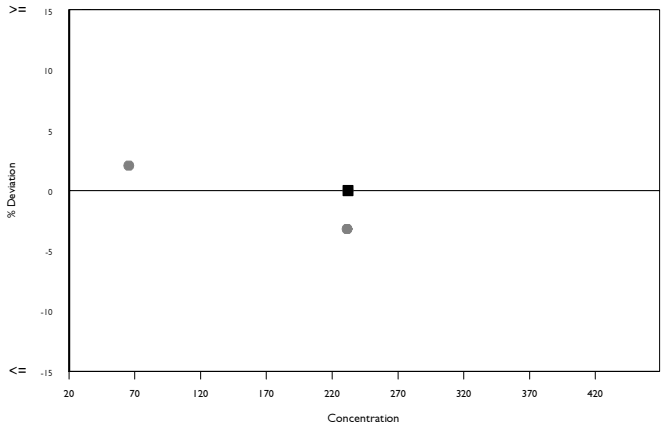


Method	N	Mean	CV%	U_m
Colorimetric without ppt.	2532	219.495	4.5	0.25
Colorimetric with ppt.	384	217.289	5.5	0.76
Ortho Vitros MicroSlide Systems	154	209.443	5.2	1.10
Other method with blank	25	218.046	5.1	2.81
Agappe - CHROMAZUROL	10	246.845	12.4	12.05
Abbott Alinity Iron 2	18	229.621	2.1	1.44
Other method without blank	14	219.692	2.5	1.82
Other Dry Chemistry	13	214.166	6.8	5.08
Abbott Architect Iron 2	10	236.034	3.8	3.57
Optical Emission Spectroscopy	5	206.633	7.9	9.09









RIQAS

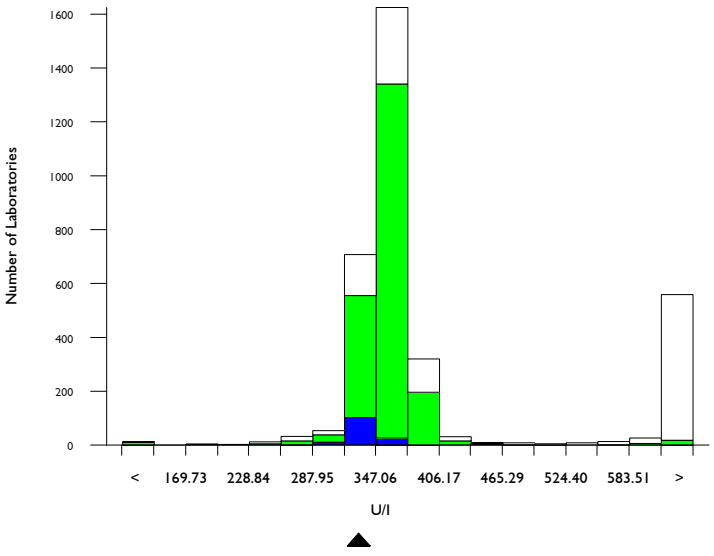
UKAS PROFICIENCY TESTING 0010

LD (LDH), U/l @ 37°C

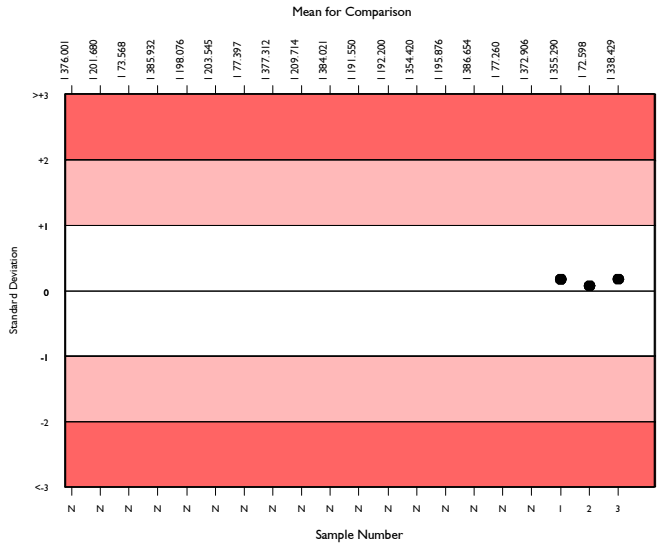
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	3015	376.624	20.9	1.79	29.31	421
L to P, IFCC	2020	356.129	3.8	0.38	27.71	196
Abbott Architect c systems	132	338.429	3.4	1.25	26.34	15

▲ Your Result	343.000	SDI	0.17
		RMSDI	Too Few
Mean for Comparison	338.429	TS	120
		RMTS	Too Few
		%DEV	1.4
		RM%DEV	Too Few

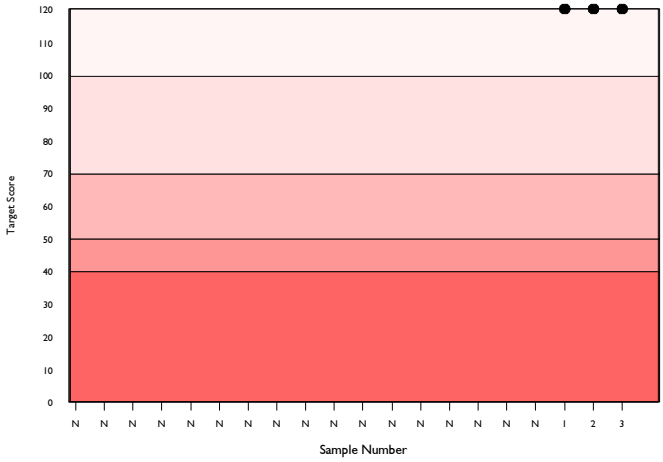
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	12.80%

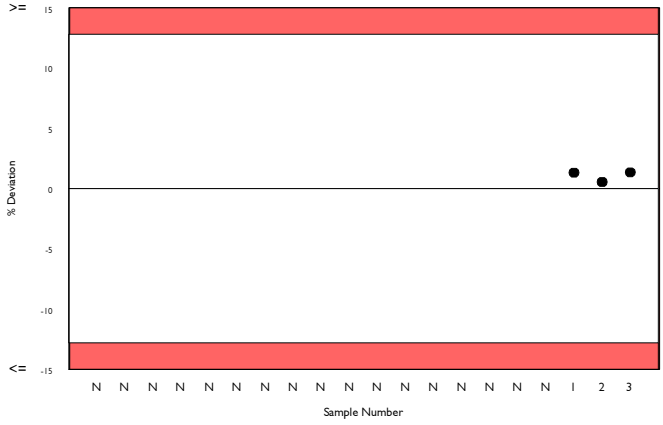


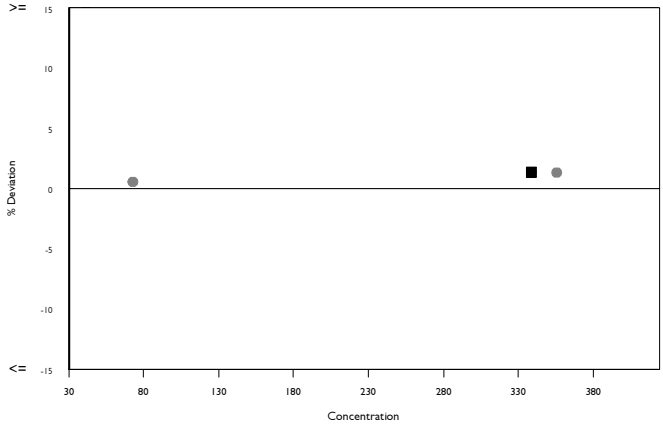
Method	N	Mean	CV%	U_m
L to P, IFCC	2020	356.129	3.8	0.38
P to L, German methods	290	709.699	9.1	4.76
Lactate to Pyruvate methods	211	353.928	6.5	1.99
P to L, Scandinavian & Dutch	111	744.511	6.5	5.74
Ortho Vitros IFCC Traceable	110	381.943	3.4	1.54
P to L, SFBC / SEQC	86	711.683	7.3	7.02
L to P Siemens/Dade, Non-IFCC	63	346.150	3.2	1.77
L to P Beckman (Extinction Coeff)	60	356.624	5.6	3.22
Agappe - SCE	32	782.674	3.2	5.46
Ortho Vitros MicroSlide Systems	34	380.909	2.8	2.28
Other Dry Chemistry	25	353.200	3.5	3.05
Abbott Alinity LD 2	22	343.330	4.4	4.00
Abbott Architect LD 2	10	339.752	3.5	4.76
Pyruvate 1.4 mM - Beckman LD-P	6	333.367	10.6	18.09



TDPA = 12.8%







RIQAS

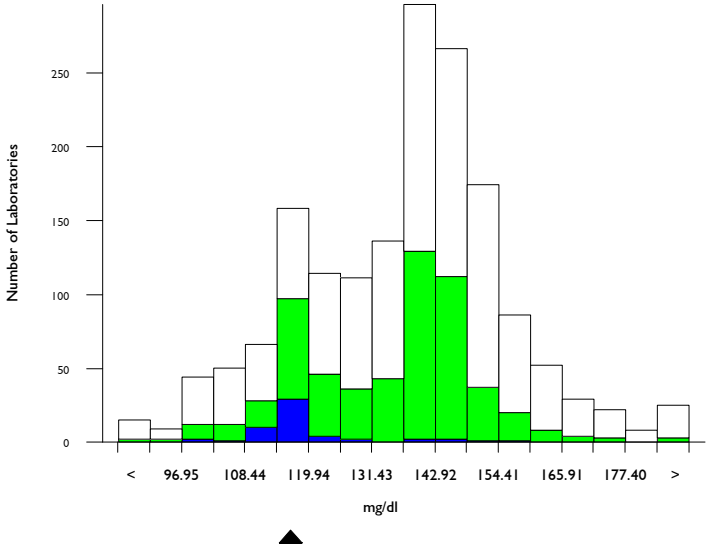
UKAS PROFICIENCY TESTING 0010

LDL-Cholesterol (Pilot), mg/dl

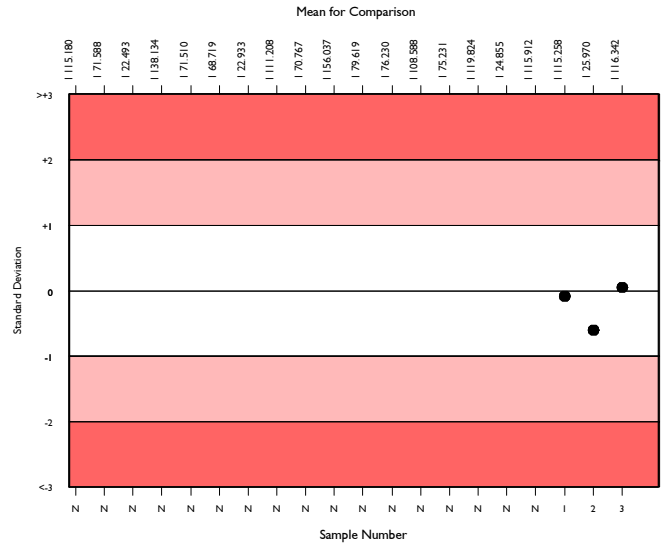
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	1551	137.181	11.2	0.48	17.18	111
Selective detergent methods	562	134.150	10.0	0.71	16.80	32
Abbott Architect c systems	45	116.342	3.1	0.68	14.57	9

▲ Your Result	117.000	SDI	0.05
		RMSDI	Too Few
Mean for Comparison	116.342	TS	120
		RMTS	Too Few
		%DEV	0.6
		RM%DEV	Too Few

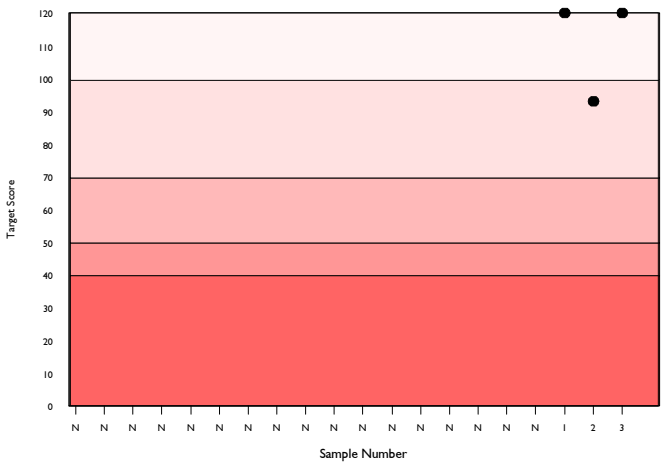
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	20.60%

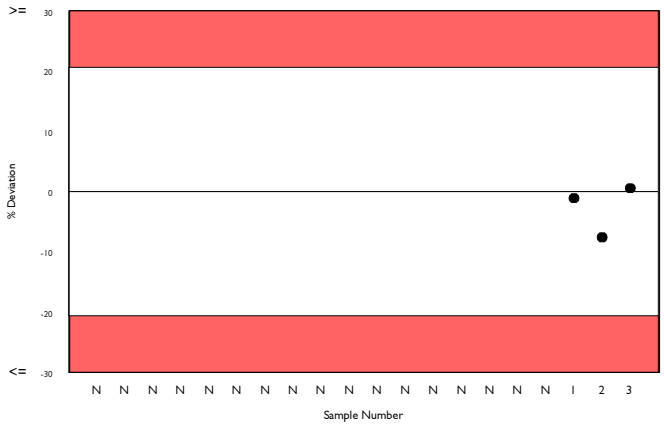


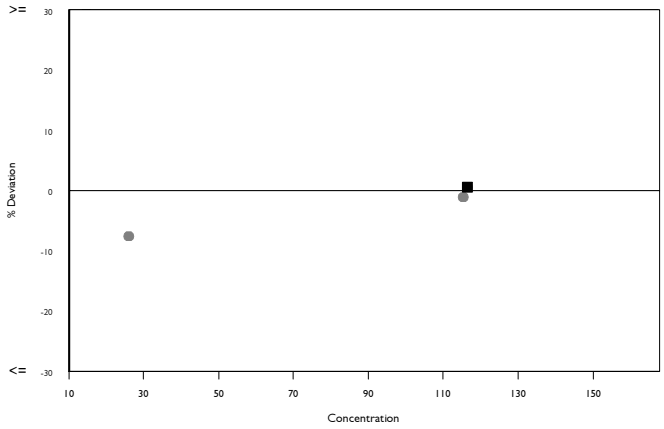
Method	N	Mean	CV%	U_m
Selective detergent methods	562	134.150	10.0	0.71
Other direct methods	549	137.127	10.4	0.76
Sel.detergent Beckman OSR6x83	188	150.676	6.1	0.84
Calculated	119	136.891	9.5	1.49
Sel.detergent Beckman OSR6x96	35	118.137	17.4	4.35
Agappe - SELECTIVE SOLUBILISATION	21	152.213	7.5	3.10
Ortho Vitros MicroSlide Systems	19	101.484	3.1	0.90
Other Precipitation methods	12	137.577	7.9	3.91
Other Dry Chemistry	11	115.382	17.0	7.37
Polyvinyl Sulphate Precipitation	11	160.664	11.1	6.73
Heparin precipitation	8	137.735	11.7	7.11
Zwitterionic Detergent	3	149.103	9.5	10.18



TDPA = 20.6%







RIQAS

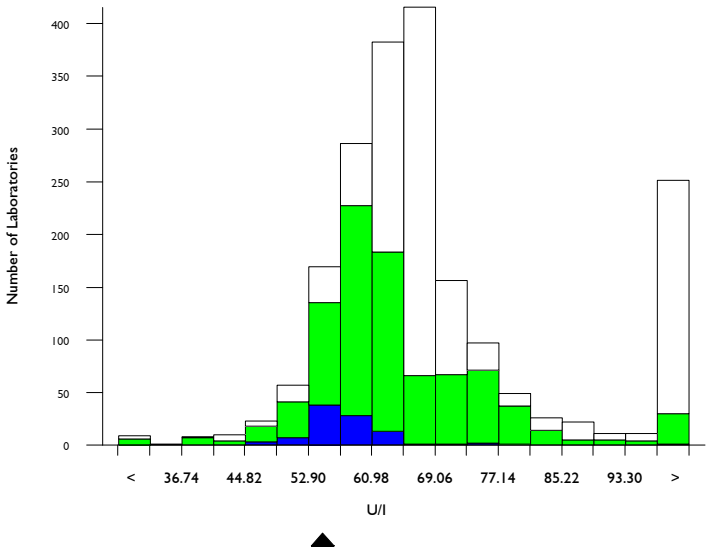
UKAS PROFICIENCY TESTING 0010

Lipase, U/l @ 37°C

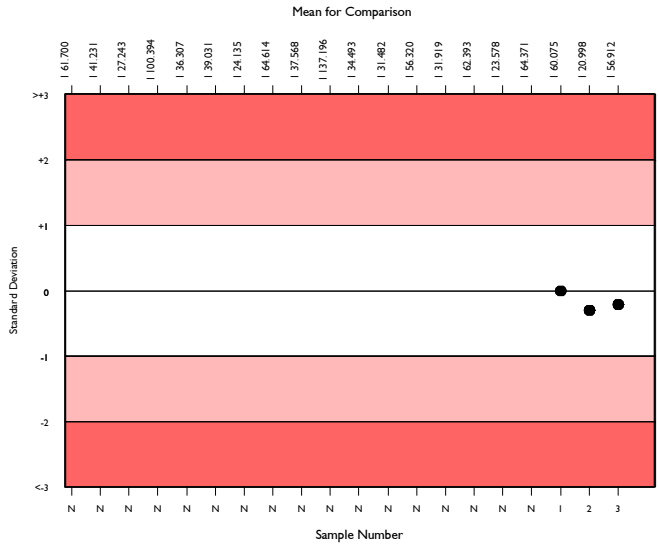
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	1753	65.027	16.6	0.32	10.16	233
Other Colorimetric	862	62.617	13.0	0.35	9.78	59
Abbott Architect c systems	86	56.912	5.4	0.42	8.89	9

▲ Your Result	55.000	SDI	-0.22
		RMSDI	Too Few
Mean for Comparison	56.912	TS	120
		RMTS	Too Few
		%DEV	-3.4
		RM%DEV	Too Few

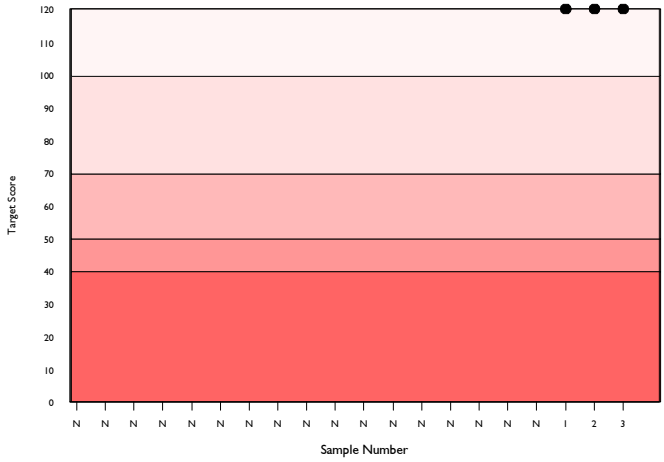
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	25.70%

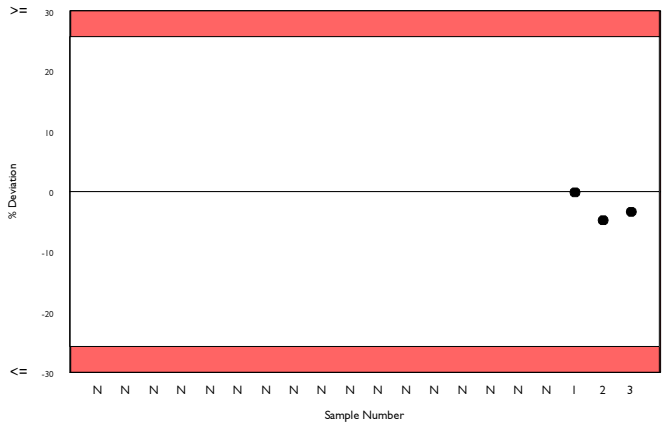


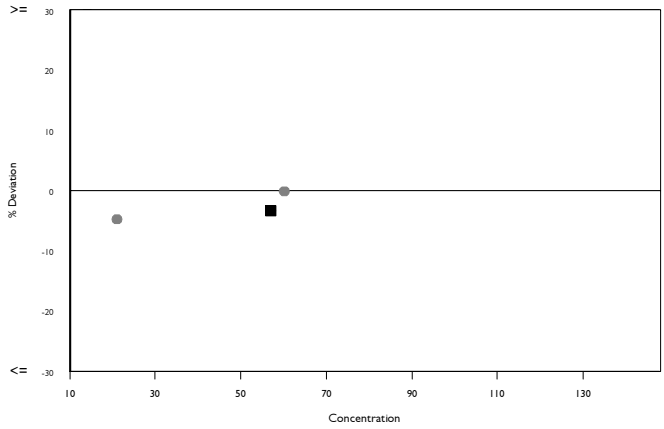
Method	N	Mean	CV%	U_m
Other Colorimetric	862	62.617	13.0	0.35
Colorimetric Roche ACN(8)731/ID 0-100	356	66.314	4.6	0.20
Colorimetric Roche ACN(8)789/ID 0-052	232	65.907	4.7	0.25
Ortho Vitros MicroSlide Systems	121	676.211	8.2	6.29
Colorimetric Dade Dimension (LIPL Kit)	65	238.250	12.1	4.46
Roche Turbidimetric with colipase	53	65.122	7.1	0.80
Agappe - METHYL RESORUFIN	35	66.831	9.9	1.39
Colorimetric Randox	31	78.415	18.9	3.32
Other Turbidimetric with colipase	27	59.295	14.3	2.04
Turbidimetric without colipase	10	62.914	17.2	4.28
Colorimetric Dade Dimension (LIP Kit)	7	63.829	12.2	3.69
Other Dry Chemistry	8	75.486	28.7	9.58
Randox Turbidimetric with colipase	7	71.859	25.3	8.60
Colorimetric Sigma	3	69.933	21.2	10.69



TDPA = 25.7%







RIQAS

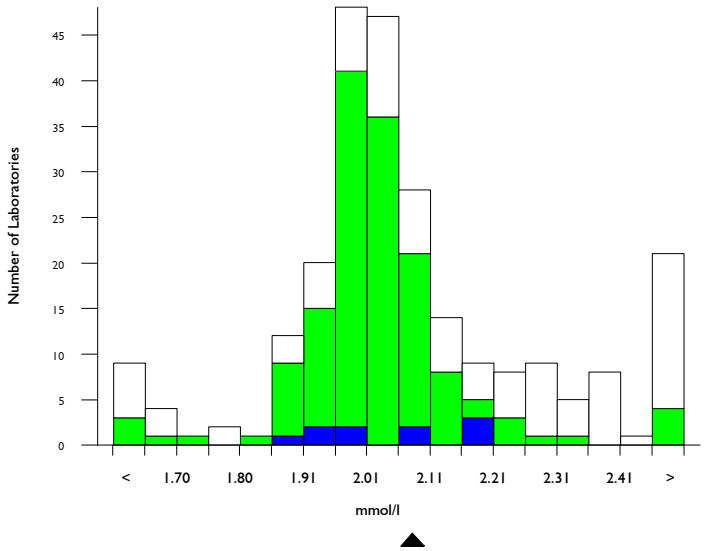
UKAS PROFICIENCY TESTING 0010

Lithium, mmol/l

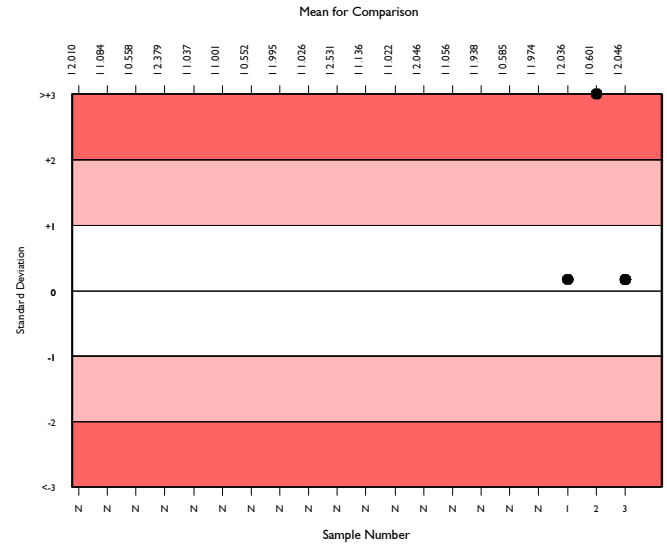
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	215	2.062	6.6	0.01	0.15	32
Spectrophotometric	134	2.020	3.3	0.01	0.14	16
Abbott Architect c systems	10	2.046	5.2	0.04	0.15	0

▲ Your Result	2.070	SDI	0.17
		RMSDI	Too Few
Mean for Comparison	2.046	TS	120
		RMTS	Too Few
		%DEV	1.2
		RM%DEV	Too Few

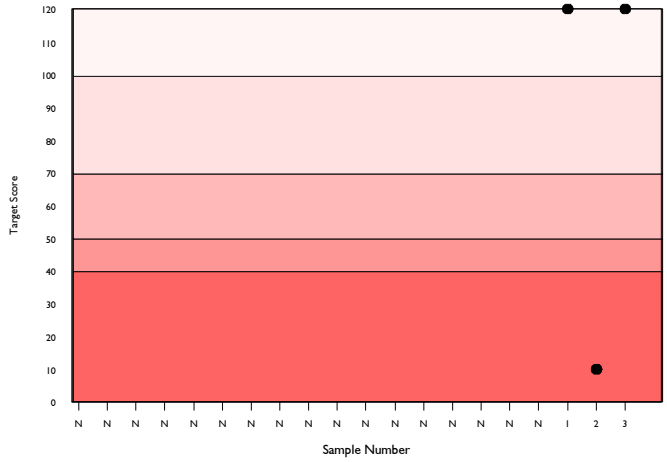
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	11.70%

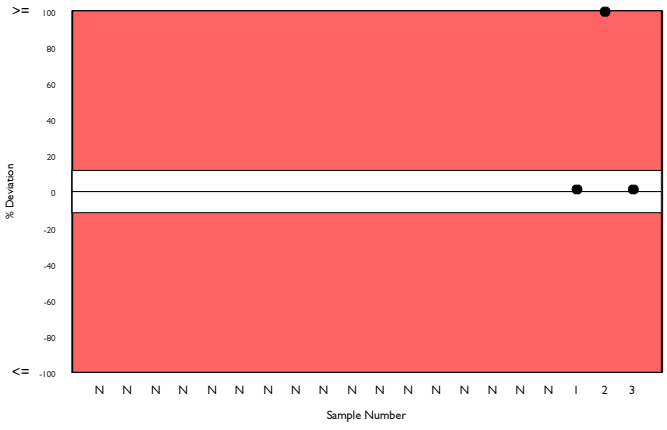


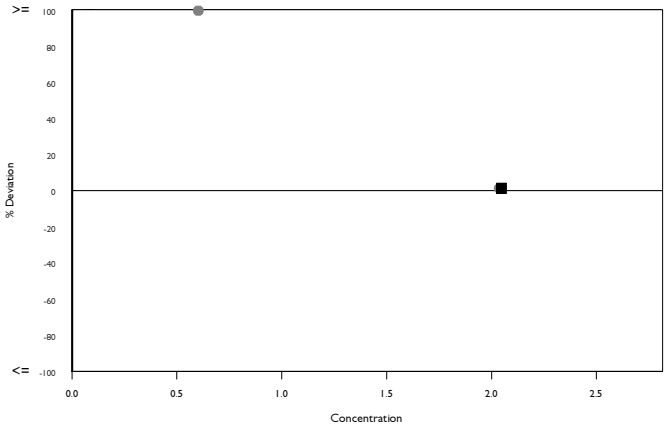
Method	N	Mean	CV%	U_m
Spectrophotometric	134	2.020	3.3	0.01
Ion selective electrode	45	2.046	9.0	0.03
Ortho Vitros MicroSlide Systems	26	2.419	4.6	0.03
Flame photometry	8	2.009	3.4	0.03
Atomic absorption	6	2.101	12.1	0.13



TDPA = 11.7%







RIQAS

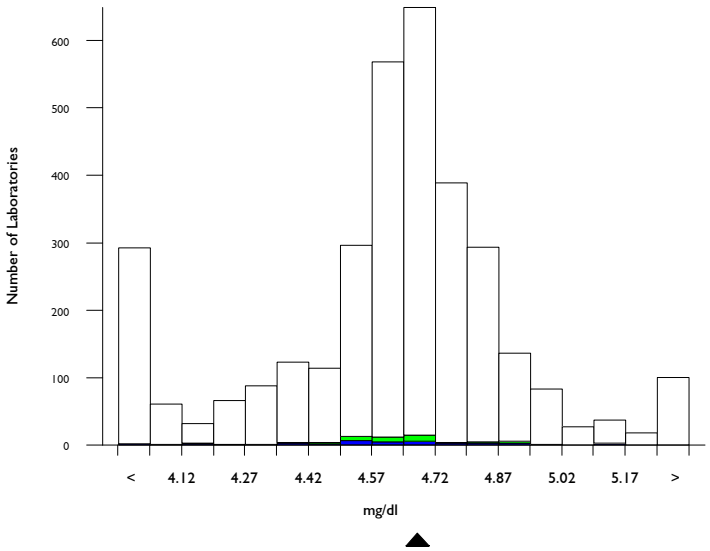
UKAS PROFICIENCY TESTING 0010

Magnesium, mg/dl

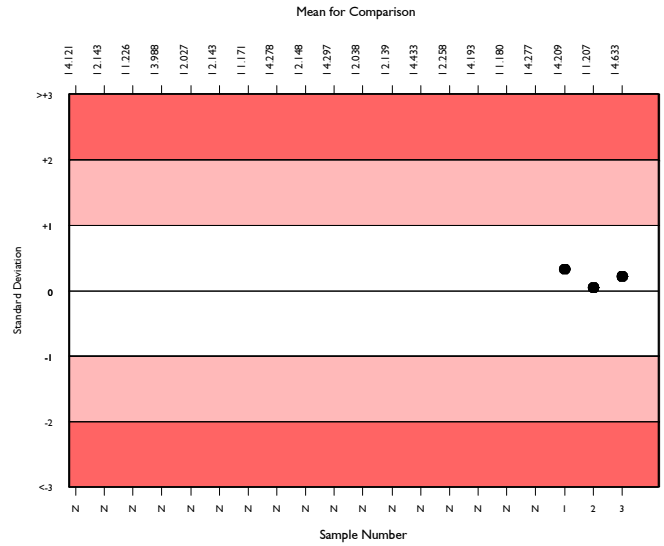
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	2975	4.648	4.3	0.00	0.31	398
Arsenazo	66	4.635	3.6	0.03	0.31	9
Abbott Architect c systems	32	4.633	3.5	0.04	0.31	6

▲ Your Result	4.700	SDI	0.22
		RMSDI	Too Few
Mean for Comparison	4.633	TS	120
		RMTS	Too Few
		%DEV	1.4
		RM%DEV	Too Few

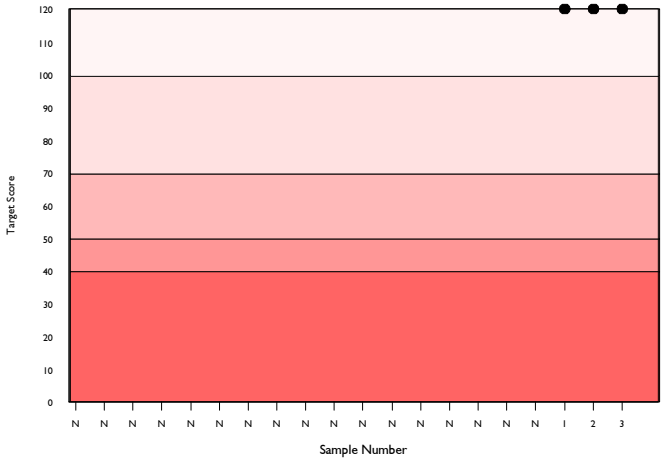
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	11.00%

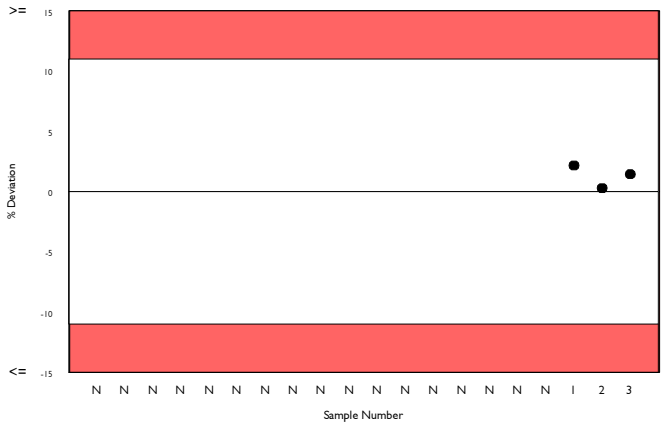


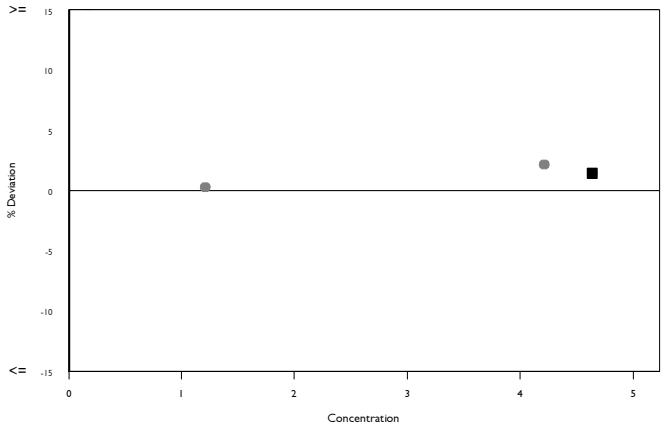
Method	N	Mean	CV%	U_m
Xylidyl Blue	1658	4.610	5.1	0.01
Enzymatic	351	4.673	2.8	0.01
Chlorphosphonazo III	298	4.668	2.7	0.01
Methylthymol blue	217	4.699	3.4	0.01
Ortho Vitros MicroSlide Systems	170	4.711	3.3	0.01
Calmagite	139	4.436	9.4	0.04
Arsenazo	66	4.635	3.6	0.03
Atomic absorption	64	4.656	2.4	0.02
Agappe - XYLIDYL BLUE	30	3.857	7.5	0.07
Other Dry Chemistry	23	5.412	3.0	0.04
Other magnesium dyes	15	4.740	7.6	0.12



TDPA = 11%







RIQAS

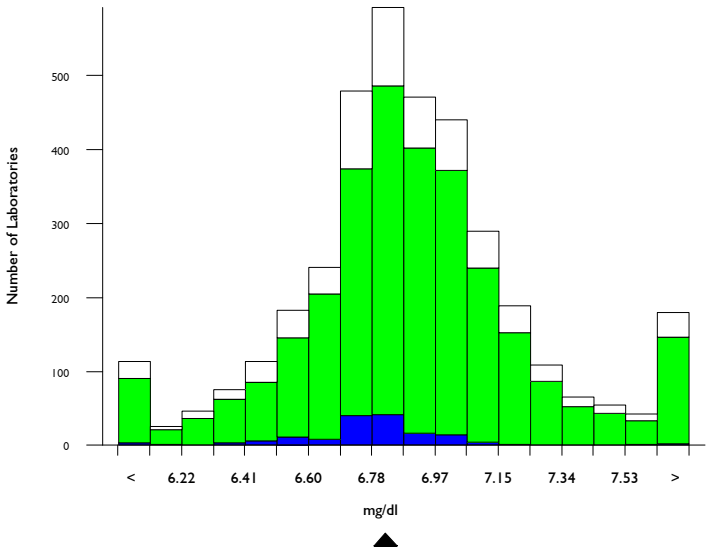
UKAS PROFICIENCY TESTING 0010

Phosphate, Inorganic, mg/dl

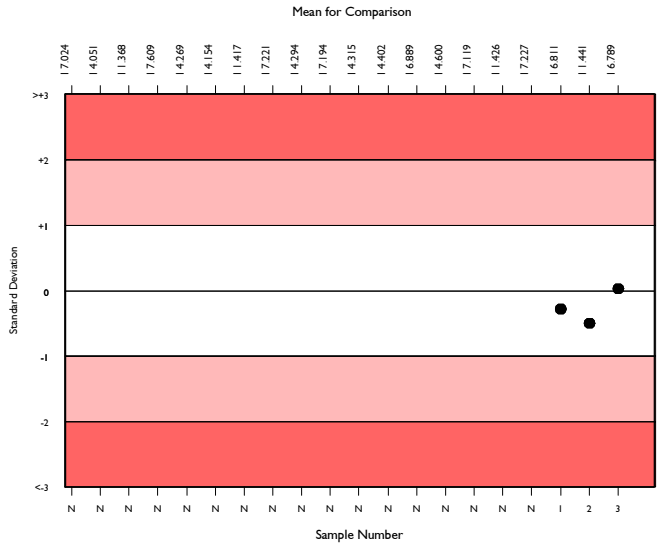
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	3367	6.880	3.6	0.01	0.39	332
Phosphomolybdate UV	2759	6.882	3.6	0.01	0.39	267
Abbott Architect c systems	139	6.789	2.0	0.01	0.39	12

Your Result	6.800	SDI	0.03
		RMSDI	Too Few
Mean for Comparison	6.789	TS	120
		RMTS	Too Few
		%DEV	0.2
		RM%DEV	Too Few

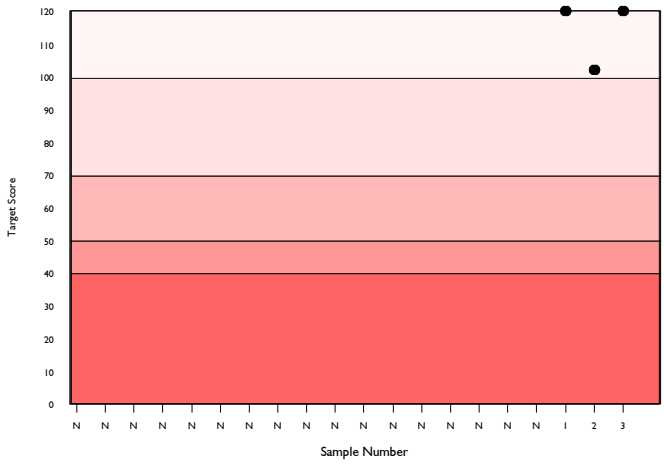
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	9.40%

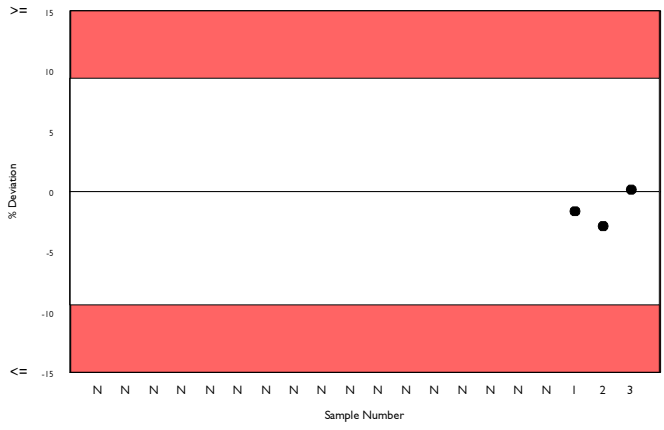


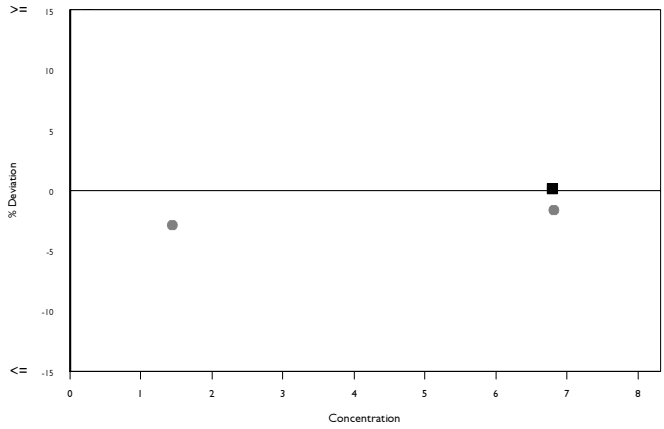
Method	N	Mean	CV%	U_m
Phosphomolybdate UV	2759	6.882	3.6	0.01
Phosphomolybdate enzymatic	299	6.847	3.3	0.02
Ortho Vitros MicroSlide Systems	187	6.808	3.4	0.02
Beckman PHOSm kit (365nm)	54	6.900	3.2	0.04
Agappe - PHOSPOHMOLYBDATE	40	7.224	4.2	0.06
Other Dry Chemistry	16	7.313	4.0	0.09
Other methods, no protein ppt	7	7.297	7.0	0.24
Other methods, with protein ppt	4	6.970	2.5	0.11
Vitros, DT60/DT60 II/DTSC II	2	6.756	1.2	0.07



TDPA = 9.4%







RIQAS

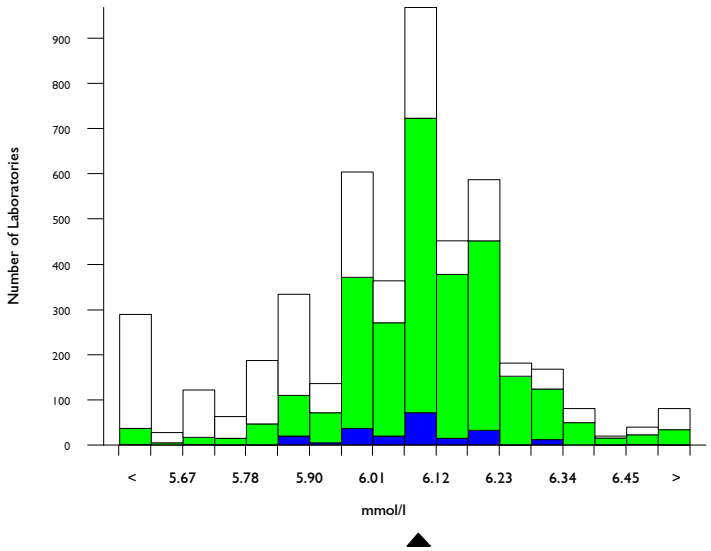
UKAS PROFICIENCY TESTING 0010

Potassium, mmol/l

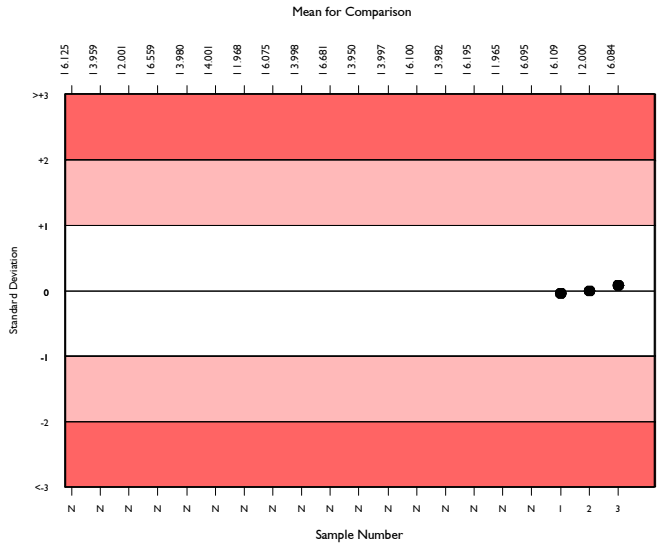
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	4266	6.068	2.5	0.00	0.21	435
ISE method - indirect	2657	6.111	1.6	0.00	0.21	237
Abbott Architect c systems	214	6.084	1.7	0.01	0.21	12

Your Result	6.100	SDI	0.08
		RMSDI	Too Few
Mean for Comparison	6.084	TS	120
		RMTS	Too Few
		%DEV	0.3
		RM%DEV	Too Few

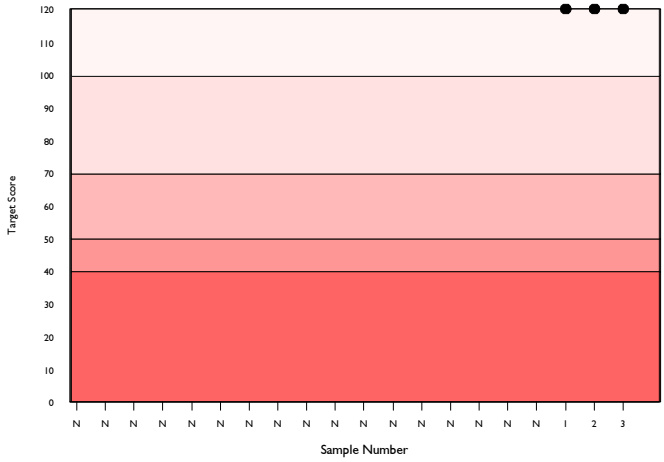
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	5.60%

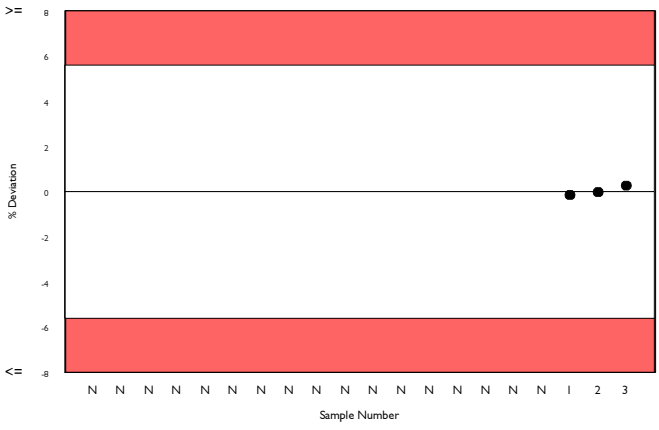


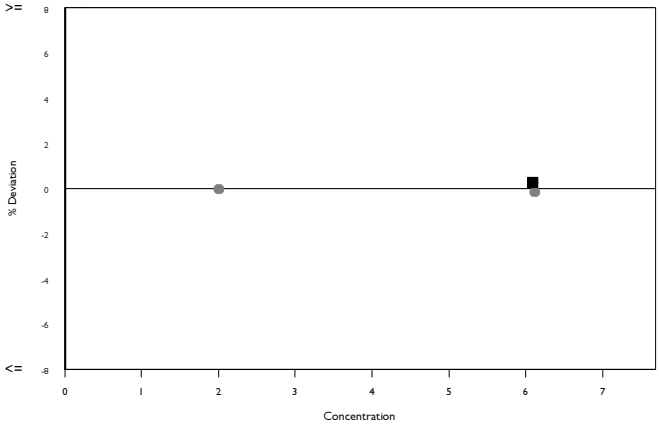
Method	N	Mean	CV%	U_m
ISE method - indirect	2657	6.111	1.6	0.00
ISE method - direct	1331	5.951	3.7	0.01
Ortho Vitros MicroSlide Systems	177	6.003	2.1	0.01
Colorimetric	50	5.680	5.3	0.05
Other Dry Chemistry	44	5.990	2.2	0.03
Agappe - ISE DIRECT	19	6.071	1.5	0.03
Flame photometry	13	5.648	7.2	0.14
Enzymatic	10	6.471	7.8	0.20
Turbidimetric	6	5.438	9.3	0.26
Vitros, DT60/DT60 II/DTE II	4	5.825	6.2	0.22
Optical Fluorescence	4	5.838	8.3	0.30



TDPA = 5.6%







RIQAS

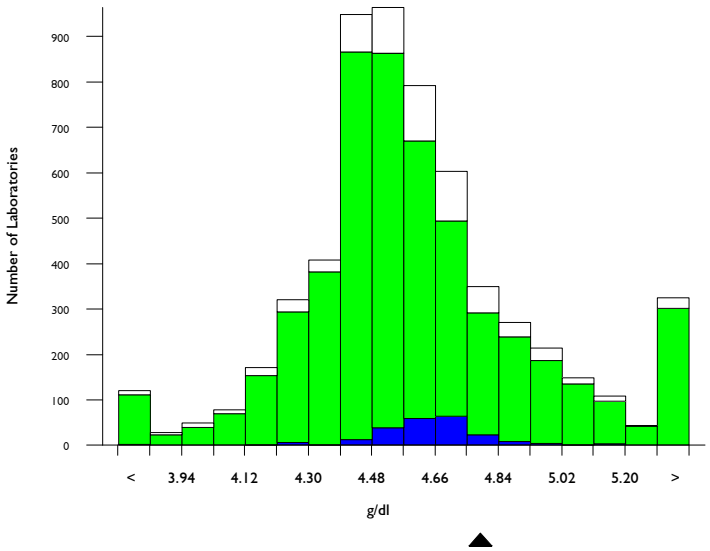
UKAS PROFICIENCY TESTING 0010

Protein, Total, g/dl

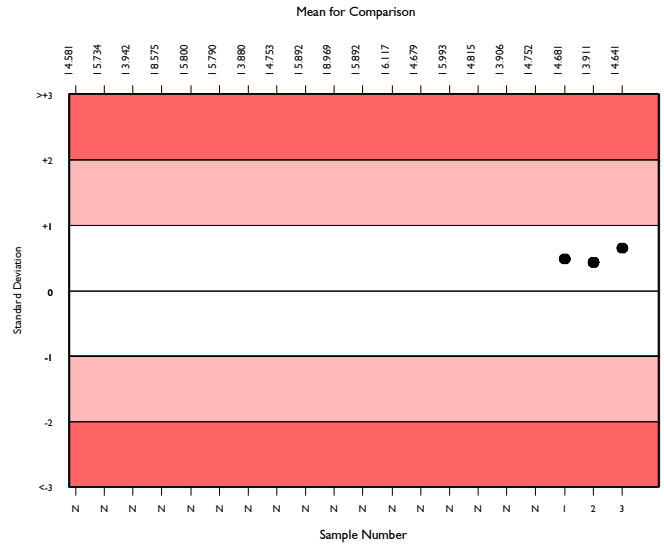
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	5441	4.575	5.3	0.00	0.24	493
Biuret reaction, end point	4795	4.572	5.3	0.00	0.24	455
Abbott Architect c systems	203	4.641	2.4	0.01	0.25	20

▲ Your Result	4.800	SDI	0.65
		RMSDI	Too Few
Mean for Comparison	4.641	TS	90
		RMTS	Too Few
		%DEV	3.4
		RM%DEV	Too Few

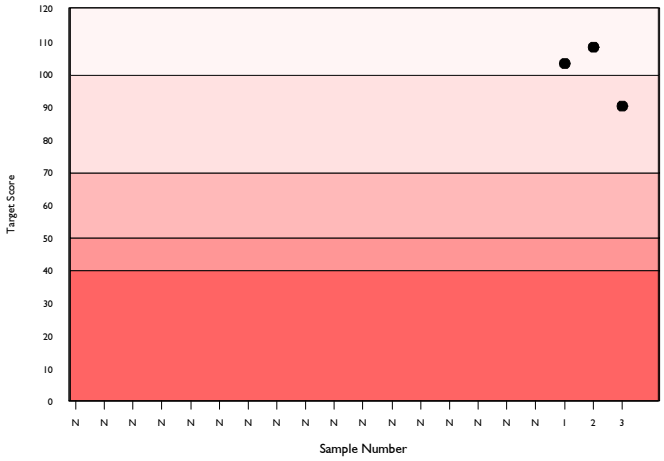
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	8.70%

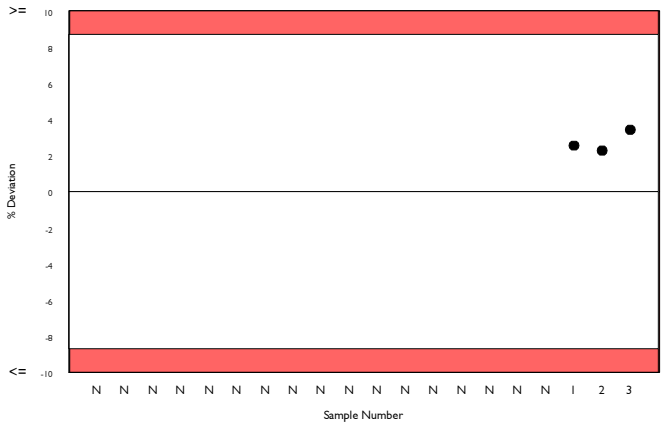


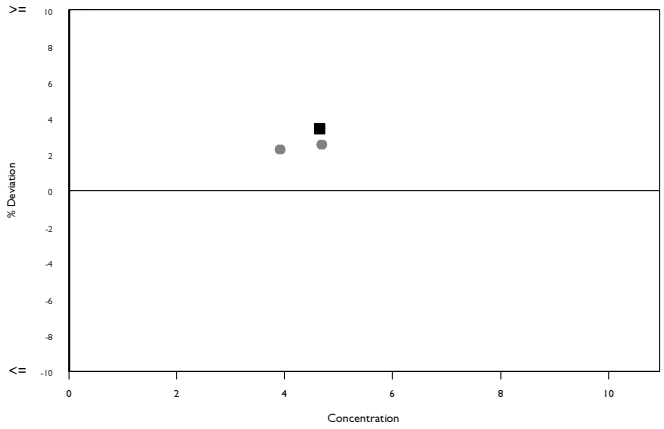
Method	N	Mean	CV%	U_m
Biuret reaction, end point	4795	4.572	5.3	0.00
Ortho Vitros MicroSlide Systems	206	4.644	3.4	0.01
Biuret reaction, kinetic	171	4.473	4.4	0.02
Agappe - BIURET	66	4.886	5.5	0.04
Abbott Alinity Total Protein 2	50	4.657	1.9	0.02
Other Dry Chemistry	49	4.642	4.0	0.03
Biuret reaction, CX4/5/7	46	4.420	2.6	0.02
Abbott Architect total Protein 2	28	4.686	1.9	0.02
Refractometry	3	4.532	3.5	0.11



TDPA = 8.7%







RIQAS

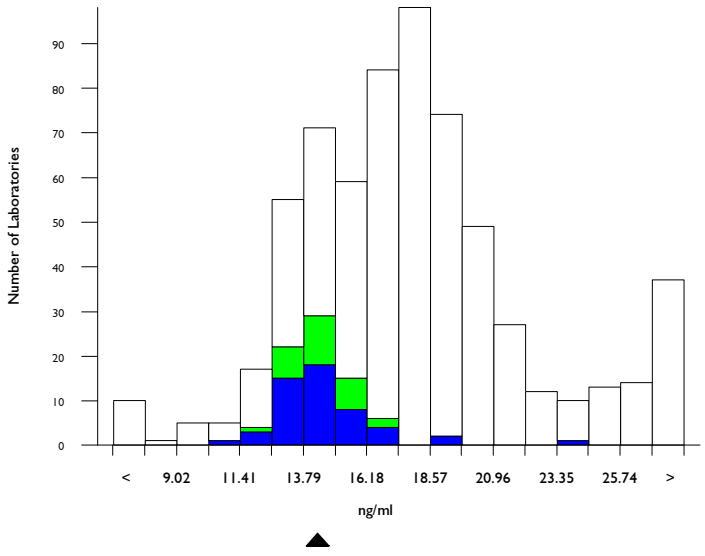
UKAS PROFICIENCY TESTING 0010

PSA, Total, ng/ml

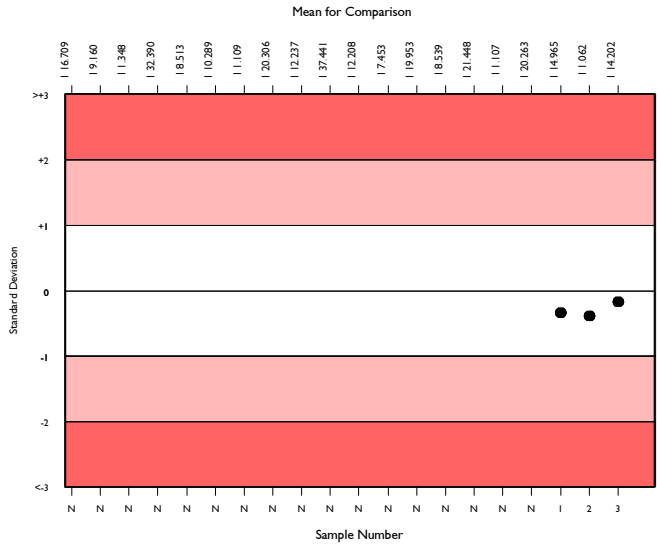
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	584	17.382	18.3	0.16	2.62	57
Abbott Architect/ Alinity	74	14.289	8.2	0.17	2.15	6
Abbott Architect i Systems	47	14.202	8.5	0.22	2.14	5

Your Result	13.830	SDI	-0.17
		RMSDI	Too Few
Mean for Comparison	14.202	TS	120
		RMTS	Too Few
		%DEV	-2.6
		RM%DEV	Too Few

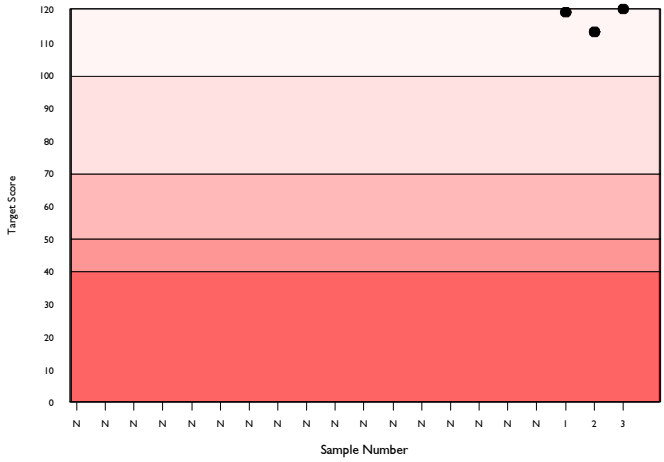
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	24.80%

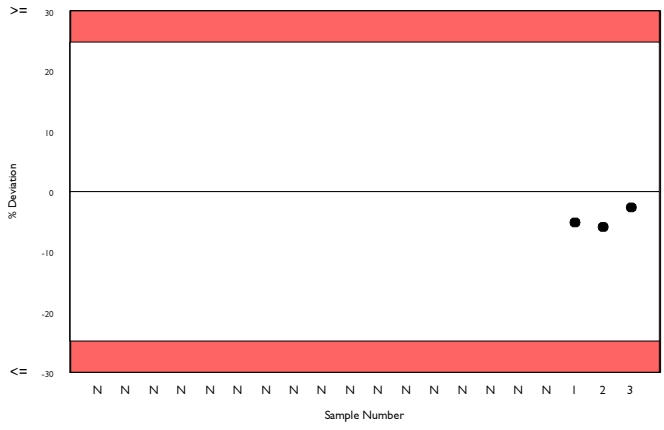


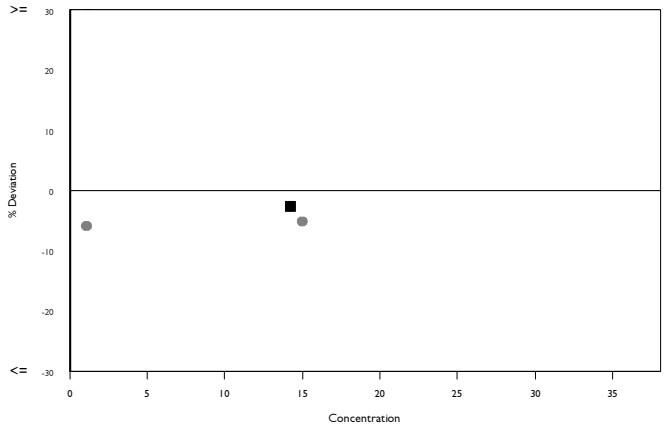
Method	N	Mean	CV%	U_m
Roche Cobas 4000/e411	88	18.374	7.7	0.19
Abbott Architect/ Alinity	74	14.289	8.2	0.17
SNIBE Maglumi analysers	49	13.944	7.8	0.19
bioMerieux, VIDAS TPSA	46	17.816	9.7	0.32
Roche Cobas e601/602	49	18.328	6.2	0.20
Monobind Inc ELISA / CLIA	49	24.464	18.6	0.81
ELISA	42	26.075	16.6	0.84
Beckman Access standardised to Hybritech	30	19.237	8.5	0.37
Tosoh AIA Series	21	13.370	10.3	0.37
Roche Cobas e402/e801	17	18.006	3.8	0.21
Siemens Dimension	13	17.508	4.4	0.27
Ortho Vitros 3600/5600/ECi	13	16.638	7.7	0.44
Siemens Centaur XP/XPT	10	17.300	13.0	0.89
Siemens Centaur CP	9	17.098	16.3	1.16
Ortho Vitros 3600/5600/ECi PSA II	9	15.778	10.0	0.66
Mindray CL-Series	7	20.332	3.9	0.38
Siemens Immulite 2000/2500, Total PSA	7	15.114	7.6	0.54
Beckman DXI standardised to Hybritech	8	20.639	9.9	0.90
Roche Elecsys Modular E170	6	17.557	7.1	0.64
Siemens Atellica IM	5	15.662	7.1	0.62
Siemens Immulite 1000, Total PSA	5	16.200	7.9	0.71



TDPA = 24.8%







RIQAS

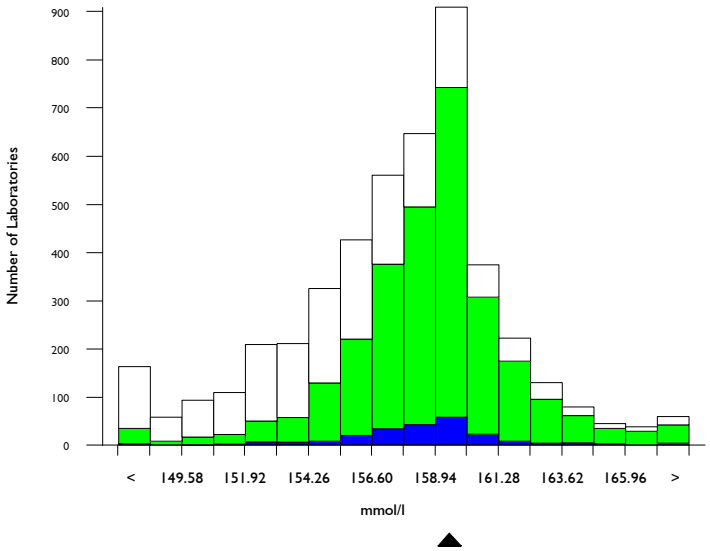
UKAS PROFICIENCY TESTING 0010

Sodium, mmol/l

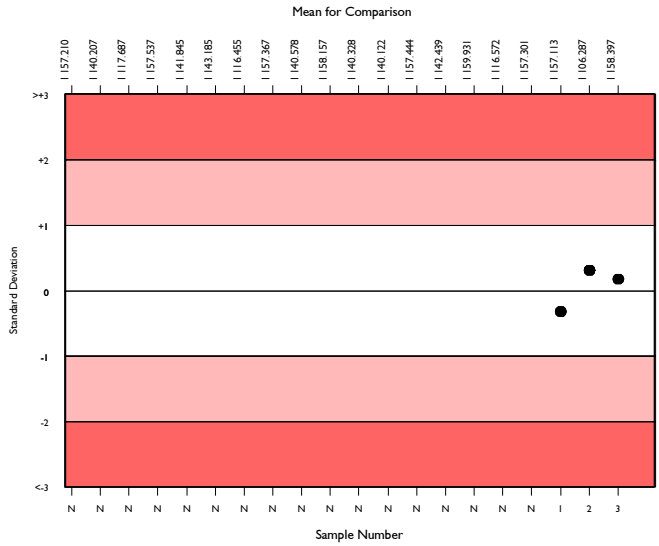
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	4320	157.776	2.0	0.06	3.45	336
ISE method - indirect	2652	158.819	1.4	0.05	3.48	241
Abbott Architect c systems	204	158.397	1.3	0.17	3.47	26

▲ Your Result	159.000	SDI	0.17
		RMSDI	Too Few
Mean for Comparison	158.397	TS	120
		RMTS	Too Few
		%DEV	0.4
		RM%DEV	Too Few

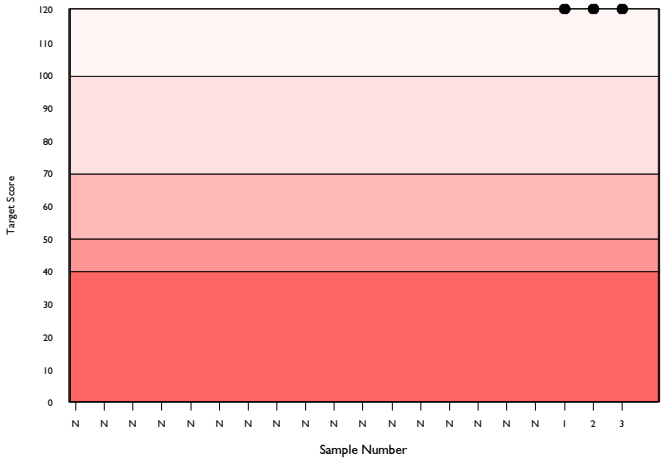
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	3.60%

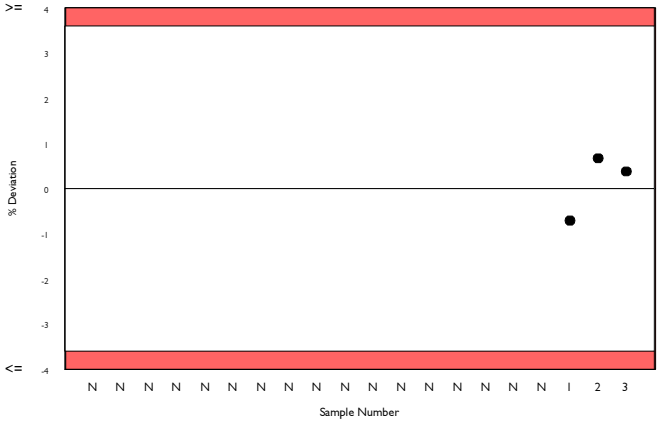


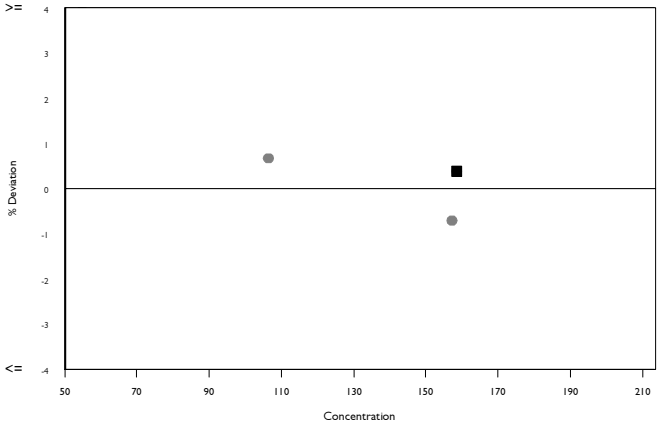
Method	N	Mean	CV%	U_m
ISE method - indirect	2652	158.819	1.4	0.05
ISE method - direct	1326	155.705	2.4	0.13
Ortho Vitros MicroSlide Systems	176	155.212	1.7	0.25
Other Dry Chemistry	43	155.558	1.5	0.45
Colorimetric	38	151.423	2.9	0.90
Agappe - ISE DIRECT	20	161.027	0.9	0.42
Flame photometry	12	154.308	3.0	1.70
Enzymatic	11	154.459	4.6	2.66
Vitros, DT60/DT60 II/DTE II	6	155.383	1.7	1.38
Optical Fluorescence	4	156.550	5.2	5.08



TDPA = 3.6%







RIQAS

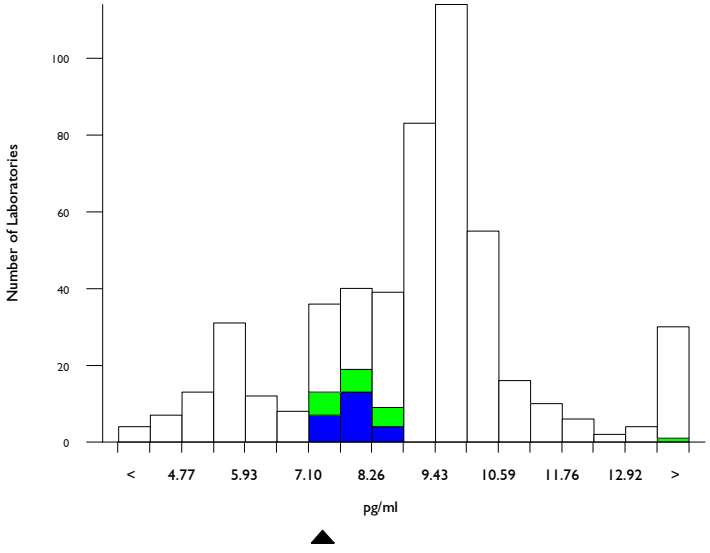
UKAS PROFICIENCY TESTING 0010

Free T3, pg/ml

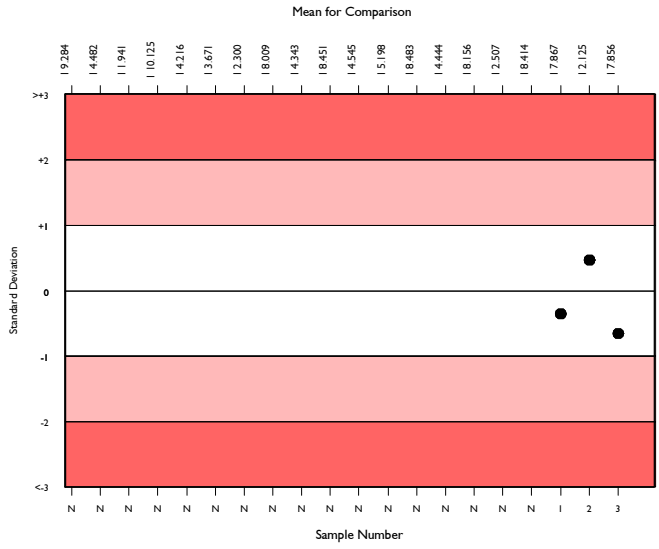
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	464	8.849	17.6	0.09	0.94	47
Abbott Architect/ Alinity, 6 point cal	40	7.845	4.8	0.08	0.83	2
Abbott Architect i Systems	24	7.856	4.7	0.09	0.83	0

▲ Your Result	7.310	SDI	-0.66
		RMSDI	Too Few
Mean for Comparison	7.856	TS	90
		RMTS	Too Few
		%DEV	-6.9
		RM%DEV	Too Few

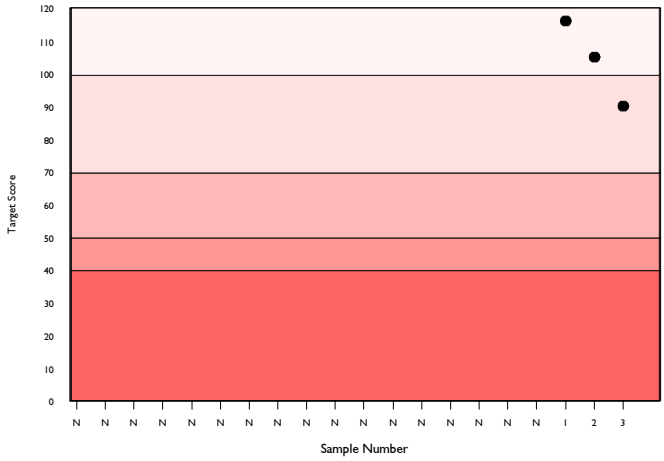
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	17.40%

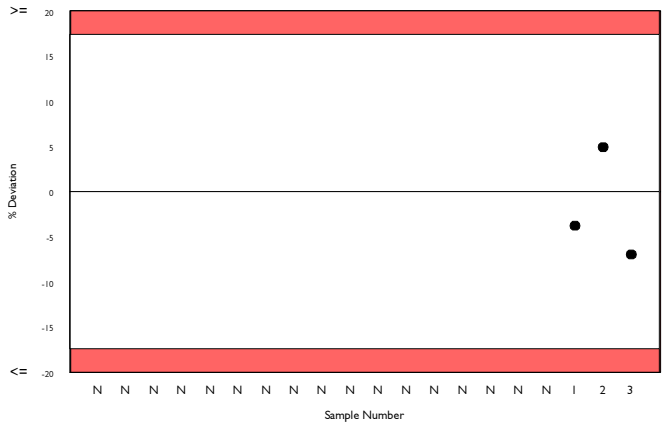


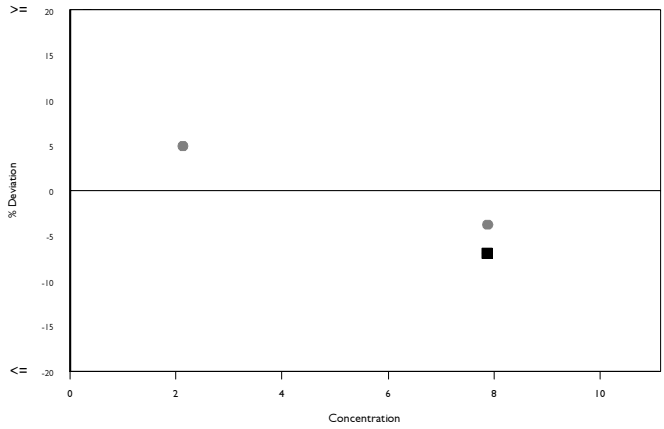
Method	N	Mean	CV%	U_m
Roche Cobas 4000/e411	84	9.588	6.6	0.09
Roche Cobas e601/602	59	9.893	3.5	0.06
BioMerieux VIDAS	50	9.128	6.9	0.11
Abbott Architect/ Alinity, 6 point cal	40	7.845	4.8	0.08
Abbott Architect/ Alinity, 2 point cal	35	7.647	5.4	0.09
Beckman Access/LXi725	31	5.886	3.6	0.05
Roche Cobas e402/e801	21	9.707	2.6	0.07
SNIBE Maglumi analysers	18	10.115	5.8	0.17
Tosoh AIA Series	14	11.870	10.8	0.43
Ortho Vitros 3600/5600/ECi/XT 7600	17	19.570	4.3	0.25
Siemens Centaur XP/XPT	12	9.442	5.6	0.19
Siemens Dimension Exl LOCI	13	9.616	4.9	0.16
Beckman Dxl 600/800	11	5.276	5.5	0.11
Mindray CL-Series	11	8.353	7.4	0.23
Siemens Centaur CP	7	9.513	1.8	0.08
ELISA	7	6.762	34.9	1.12
Siemens/DPC Immulite 2000/2500	7	5.144	7.2	0.17
Fujirebio Lumipulse G Series	6	9.678	7.3	0.36
Siemens Atellica IM	6	10.621	7.6	0.41
Roche Elecsys	5	9.758	9.9	0.54
Autobio CLIA	3	10.302	6.0	0.45



TDPA = 17.4%







RIQAS

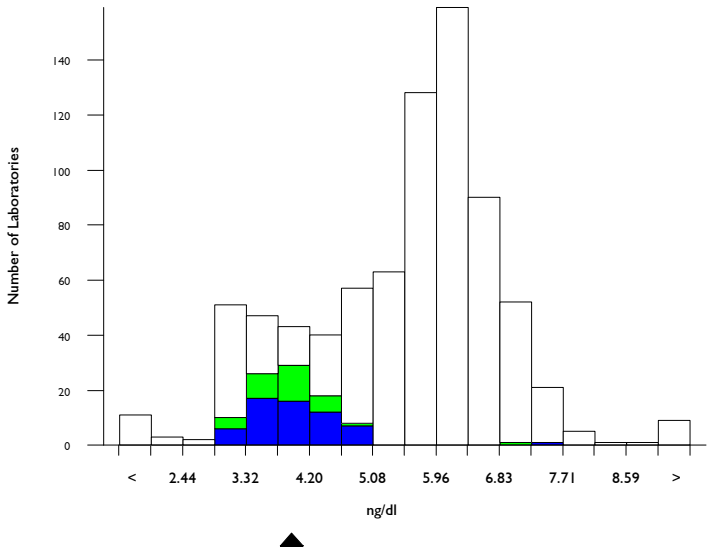
UKAS PROFICIENCY TESTING 0010

Free T4, ng/dl

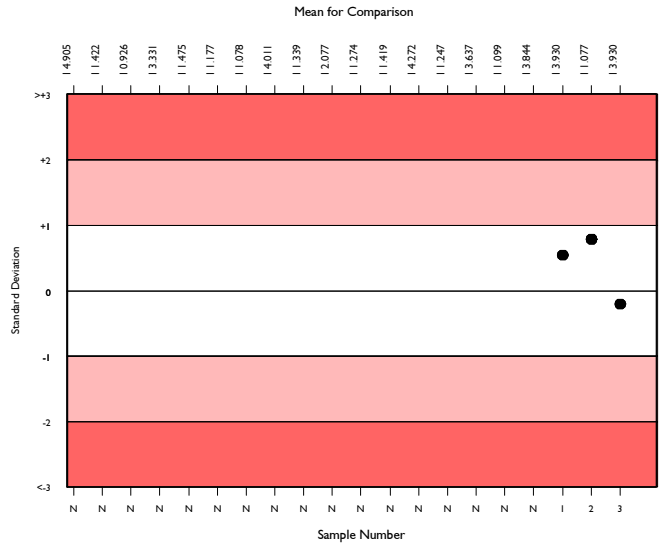
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	748	5.522	21.2	0.05	0.67	63
Abbott Architect/ Alinity	86	3.871	11.0	0.06	0.47	15
Abbott Architect i Systems	56	3.930	12.2	0.08	0.48	9

▲ Your Result	3.830	SDI	-0.21
		RMSDI	Too Few
Mean for Comparison	3.930	TS	120
		RMTS	Too Few
		%DEV	-2.5
		RM%DEV	Too Few

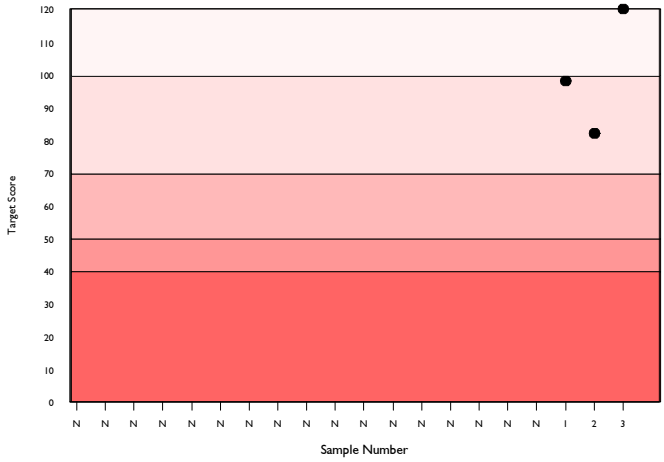
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	20.10%

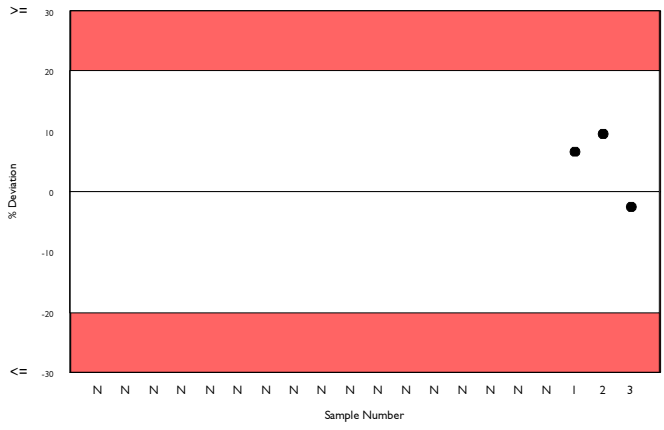


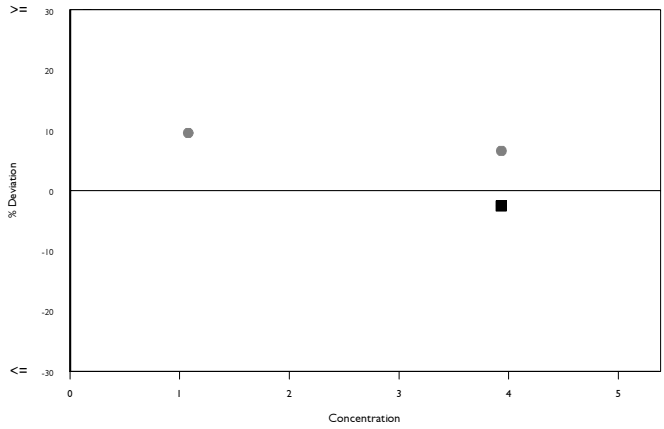
Method	N	Mean	CV%	U_m
Roche Cobas 4000/e411	118	6.251	7.9	0.06
Abbott Architect/ Alinity	86	3.871	11.0	0.06
Roche Cobas e601/ 602	75	6.196	5.7	0.05
SNIBE Maglumi analysers	56	5.886	4.8	0.05
bioMerieux, VIDAS-FT4N Kit	54	6.059	5.4	0.06
Beckman Access/LXi725	43	4.902	7.5	0.07
Monobind Inc ELISA / CLIA	43	3.270	6.5	0.04
Roche Cobas e402/e801	29	6.362	6.6	0.10
Tosoh AIA Series	26	6.389	5.8	0.09
ELISA	22	3.371	15.3	0.14
Ortho Vitros 3600/5600/ECi/XT/7600	9	6.996	0.4	0.01
Beckman Dxl 600/800	18	5.219	6.1	0.09
Mindray CL-Series	18	4.434	6.3	0.08
Siemens Centaur XP/XPT	16	5.249	5.0	0.08
Siemens Dimension Exl LOCI	13	6.857	4.4	0.11
Siemens/DPC Immulite 2000/2500	9	5.679	4.0	0.10
Siemens Centaur CP	11	6.047	10.9	0.25
Roche Elecsys	10	6.323	11.3	0.28
Siemens/DPC Immulite 1000	6	6.369	8.9	0.29
Siemens Atellica IM	6	5.783	2.1	0.06
Fujirebio Lumipulse G Series	6	6.227	12.1	0.38



TDPA = 20.1%







RIQAS

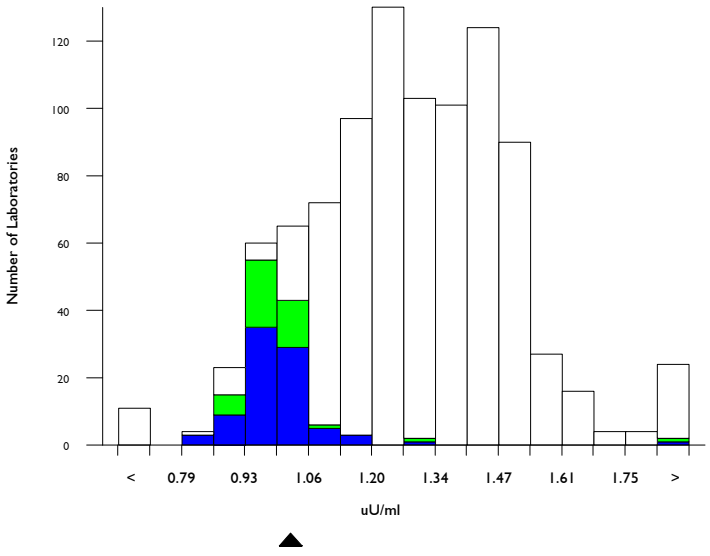
UKAS PROFICIENCY TESTING 0010

TSH, uU/ml

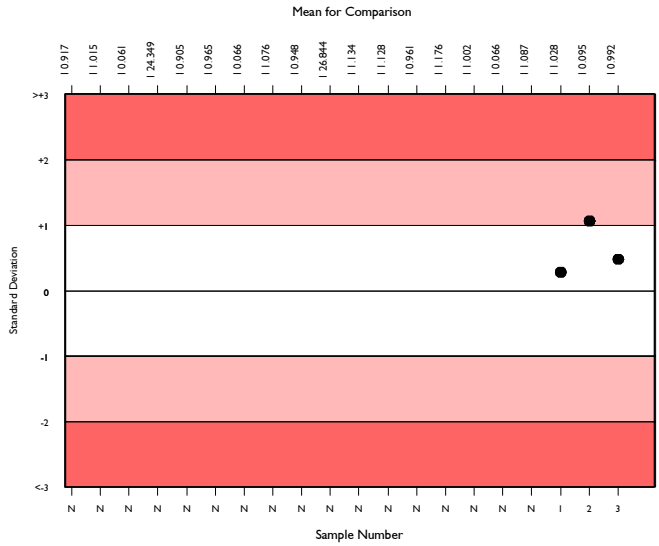
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	906	1.273	14.3	0.01	0.18	49
Abbott Architect/ Alinity	116	0.987	4.4	0.01	0.14	13
Abbott Architect i Systems	78	0.992	4.8	0.01	0.14	8

▲ Your Result	1.060	SDI	0.48
		RMSDI	Too Few
Mean for Comparison	0.992	TS	104
		RMTS	Too Few
		%DEV	6.9
		RM%DEV	Too Few

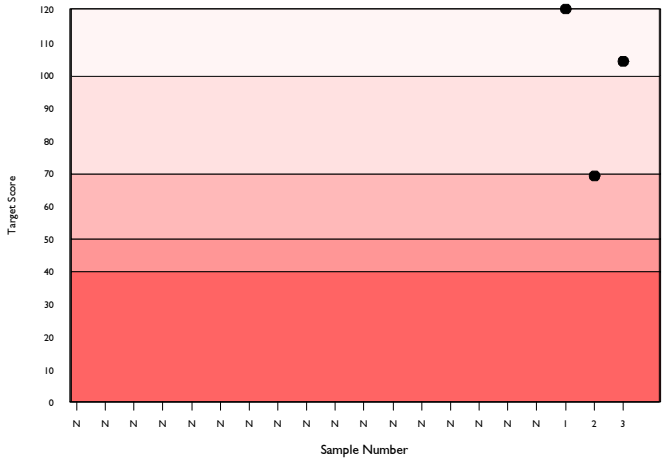
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	23.90%

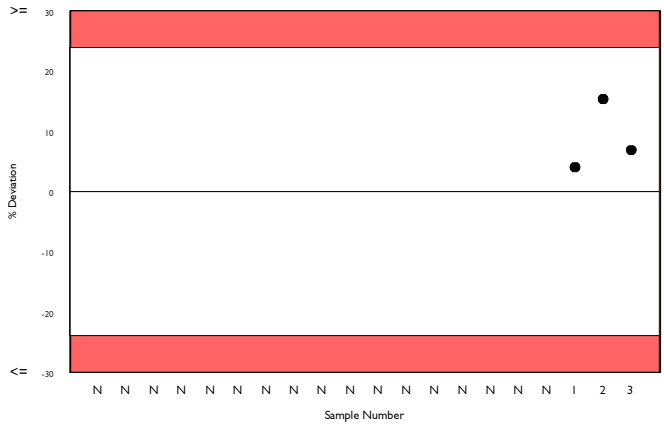


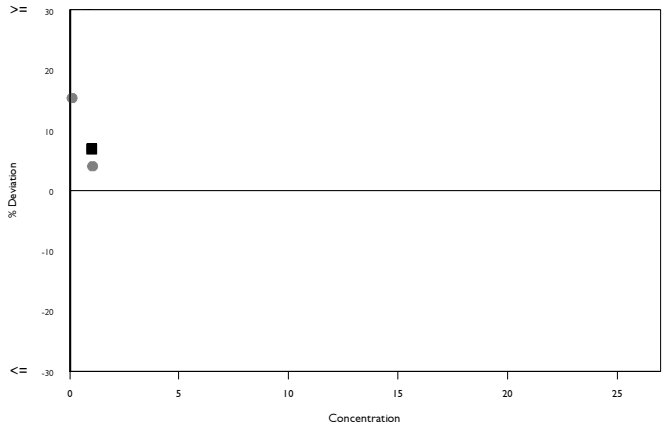
Method	N	Mean	CV%	U_m
Roche Cobas 4000/e411	130	1.470	4.8	0.01
Abbott Architect/ Alinity	116	0.987	4.4	0.01
Roche Cobas e601/ 602	78	1.423	3.2	0.01
SNIBE Maglumi analysers	70	1.285	7.0	0.01
Biomerieux VIDAS TSH	52	1.333	4.9	0.01
Monobind Inc ELISA / CLIA	58	1.215	12.2	0.02
ELISA	36	1.228	11.7	0.03
Beckman DXI600/800/ Access 2 (3rd IS)	34	1.198	4.7	0.01
Tosoh AIA Series	31	1.232	6.7	0.02
Beckman Access/LXi725 hyper TSH 3rd gen.	25	1.216	3.0	0.01
Roche Cobas e402/e801	28	1.392	3.1	0.01
Ortho Vitros 3600/5600/ECi/XT 7600	25	1.157	6.3	0.02
Mindray CL-Series	18	1.573	8.3	0.04
Roche Elecsys	12	1.463	3.8	0.02
Siemens Dimension Exl LOCI	13	1.137	6.7	0.03
Siemens/DPC Immulite 2000/2500	13	1.260	7.0	0.03
Siemens Centaur CP	10	1.147	7.1	0.03
Beckman Access/LXi725 Fast TSH 2nd gen.	10	1.188	5.7	0.03
Siemens Atellica IM	10	1.174	6.0	0.03
Siemens Centaur XP/XPT	10	1.259	11.7	0.06
Siemens/DPC Immulite 1000	9	1.227	5.5	0.03



TDPA = 23.9%







RIQAS

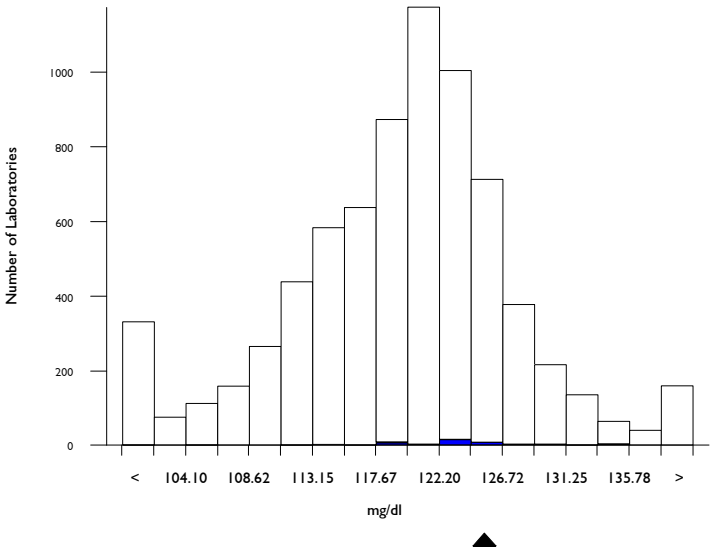
UKAS PROFICIENCY TESTING 0010

Urea, mg/dl

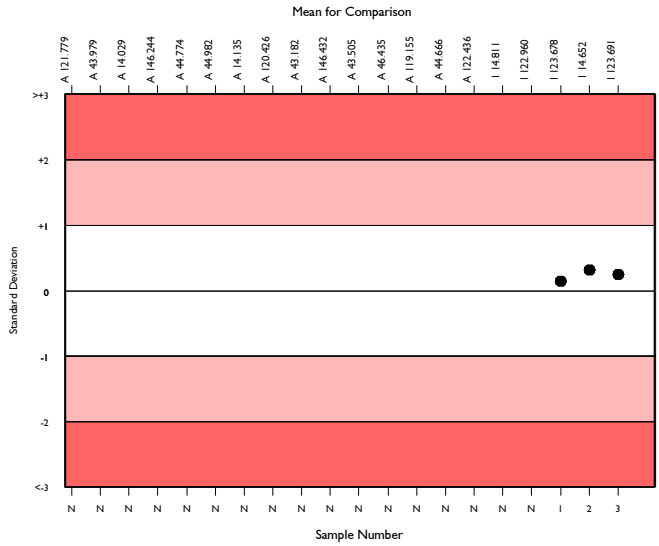
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	6735	119.941	5.0	0.09	9.11	617
Abbott Architect Urea Nitrogen 2	47	123.824	3.5	0.79	9.41	6
Abbott Architect c systems	41	123.691	3.1	0.75	9.40	6

Your Result	126.000	SDI	0.25
		RMSDI	Too Few
Mean for Comparison	123.691	TS	120
		RMTS	Too Few
		%DEV	1.9
		RM%DEV	Too Few

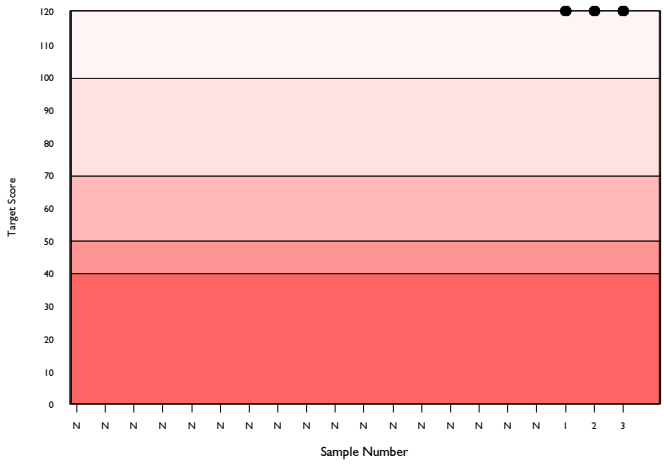
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	12.50%

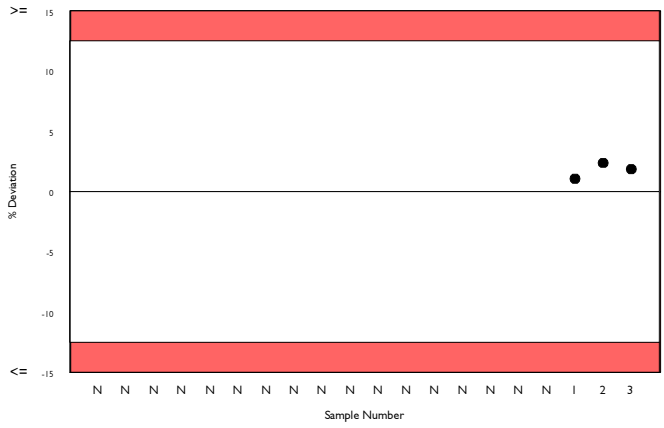


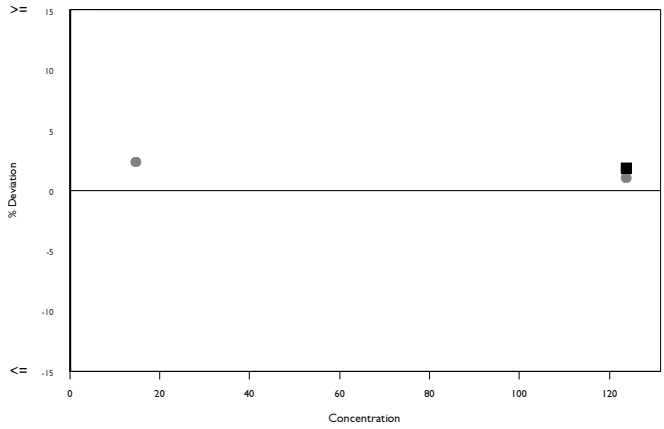
Method	N	Mean	CV%	U_m
Urease, kinetic	5755	120.210	4.8	0.09
Urease, end point	413	120.111	6.1	0.45
Ortho Vitros MicroSlide Systems	228	113.361	3.1	0.29
Urease, hypochlorite	104	114.774	5.6	0.79
Agappe - UREASE GLDH	66	116.438	6.2	1.11
Other Dry Chemistry	54	127.350	2.6	0.56
Abbott Architect Urea Nitrogen 2	47	123.824	3.5	0.79
Beckman - Conductivity	36	121.007	4.3	1.08
Agappe - BERTHELOT	7	117.153	9.4	5.20
Diacetyl monoxime	5	120.662	14.7	9.90
O-Phthalaldehyde	4	122.650	2.4	1.83
Vitros DT60/DT60 II	2	115.663	0.0	0.00



TDPA = 12.5%







RIQAS

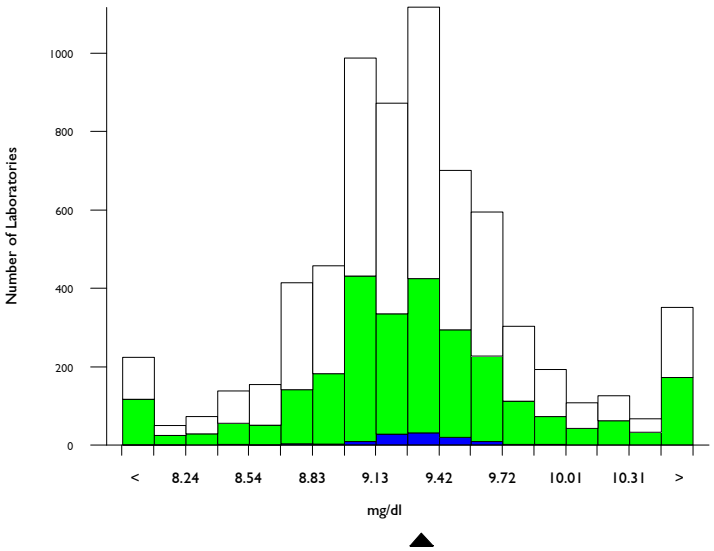
UKAS PROFICIENCY TESTING 0010

Uric Acid (Urate), mg/dl

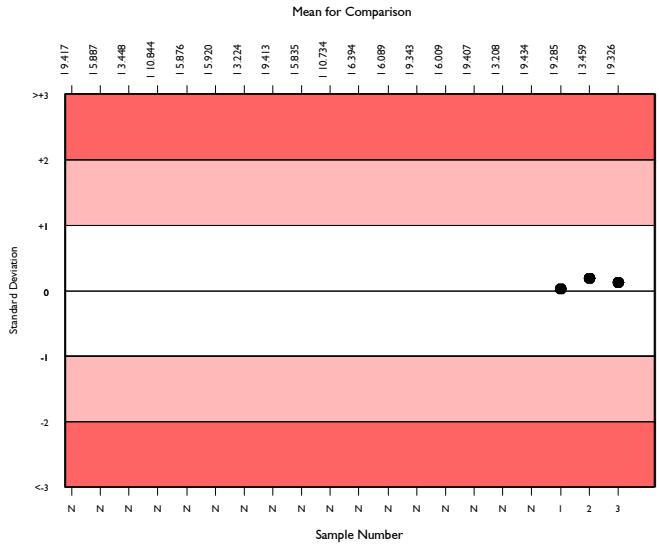
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	6263	9.282	4.2	0.01	0.60	666
Uricase perox. no ascorb. ox.	2559	9.292	4.8	0.01	0.60	249
Abbott Architect c systems	102	9.326	2.1	0.02	0.60	11

▲ Your Result	9.400	SDI	0.12
		RMSDI	Too Few
Mean for Comparison	9.326	TS	120
		RMTS	Too Few
		%DEV	0.8
		RM%DEV	Too Few

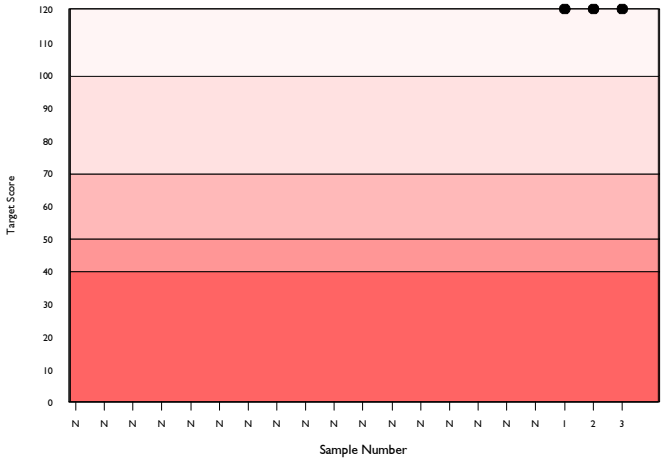
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	10.60%

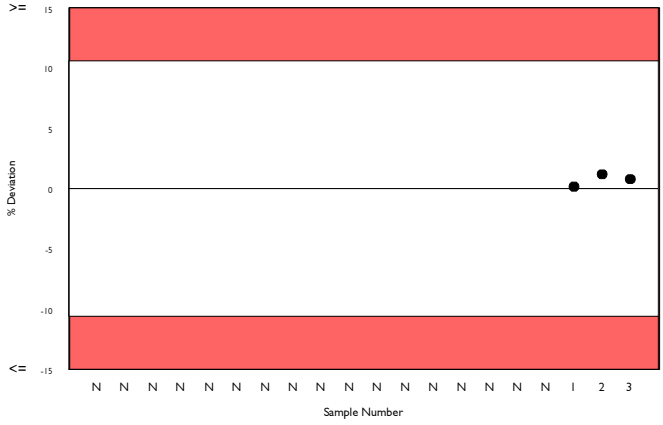


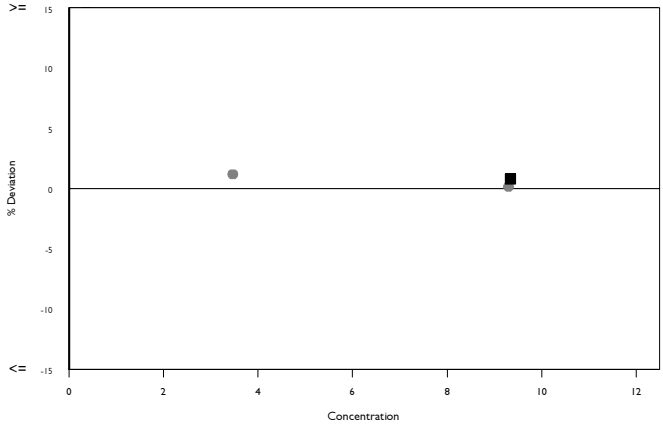
Method	N	Mean	CV%	U_m
Uricase perox. no ascorb. ox.	2559	9.292	4.8	0.01
Uricase Perox. with ascorb. ox	1721	9.387	3.7	0.01
Uricase Perox. with ascorb. ox @ 546nm	1250	9.195	3.9	0.01
Ortho Vitros MicroSlide Systems	227	8.793	2.5	0.02
Uricase @ 293 nm	190	9.249	1.9	0.02
Uricase, catalase 340nm.	115	9.265	2.6	0.03
Abbott Alinity Uric Acid 2	54	9.202	1.6	0.02
Agappe - URICASE - PAP	44	9.734	4.2	0.08
Other Dry Chemistry	36	10.129	2.9	0.06
Abbott Architect Uric Acid 2	40	9.226	1.9	0.03
Agappe - URICASE - TOPS	26	9.673	12.9	0.31
Reduction methods	12	9.682	3.7	0.13
Vitros DT60/DT60 II	2	8.851	4.0	0.31



TDPA = 10.6%







RIQAS

UKAS PROFICIENCY TESTING 0010

Analyte	Mean for Comparison	Your Result	SDI	RMSDI	%DEV	RM%DEV	TS	RMTS	Performance
Albumin	2.818	2.600	-1.42	Too Few	-7.7	Too Few	57	Too Few	
Alkaline Phosphatase	349.608	347.000	-0.07	Too Few	-0.7	Too Few	120	Too Few	
ALT (GPT)	135.733	128.000	-0.62	Too Few	-5.7	Too Few	92	Too Few	
Amylase, Pancreatic	237.314	241.000	0.13	Too Few	1.6	Too Few	120	Too Few	
Amylase, Total	291.345	297.000	0.19	Too Few	1.9	Too Few	120	Too Few	
AST (GOT)	142.701	174.000	***2.44***	Too Few	***21.9***	Too Few	***33***	Too Few	▲
Bile Acids	45.526	46.800	0.19	Too Few	2.8	Too Few	120	Too Few	
Bilirubin, Direct	1.747	1.800	0.19	Too Few	3.0	Too Few	120	Too Few	
Bilirubin, Total	5.138	5.200	0.12	Too Few	1.2	Too Few	120	Too Few	
Calcium	12.193	12.300	0.17	Too Few	0.9	Too Few	120	Too Few	
Chloride	112.849	113.000	0.05	Too Few	0.1	Too Few	120	Too Few	
Cholesterol	285.889	291.000	0.34	Too Few	1.8	Too Few	118	Too Few	
CK, Total	502.381	497.000	-0.15	Too Few	-1.1	Too Few	120	Too Few	
Creatinine	4.702	5.100	1.10	Too Few	8.5	Too Few	67	Too Few	
GGT	172.910	169.000	-0.21	Too Few	-2.3	Too Few	120	Too Few	
Glucose	279.041	278.000	-0.07	Too Few	-0.4	Too Few	120	Too Few	
HDL-Cholesterol	98.105	100.000	0.15	Too Few	1.9	Too Few	120	Too Few	
Iron	231.984	232.000	0.00	Too Few	0.0	Too Few	120	Too Few	
LD (LDH)	338.429	343.000	0.17	Too Few	1.4	Too Few	120	Too Few	
LDL-Cholesterol (Pilot)	116.342	117.000	0.05	Too Few	0.6	Too Few	120	Too Few	
Lipase	56.912	55.000	-0.22	Too Few	-3.4	Too Few	120	Too Few	
Lithium	2.046	2.070	0.17	Too Few	1.2	Too Few	120	Too Few	
Magnesium	4.633	4.700	0.22	Too Few	1.4	Too Few	120	Too Few	
Phosphate, Inorganic	6.789	6.800	0.03	Too Few	0.2	Too Few	120	Too Few	
Potassium	6.084	6.100	0.08	Too Few	0.3	Too Few	120	Too Few	
Protein, Total	4.641	4.800	0.65	Too Few	3.4	Too Few	90	Too Few	
PSA, Total	14.202	13.830	-0.17	Too Few	-2.6	Too Few	120	Too Few	
Sodium	158.397	159.000	0.17	Too Few	0.4	Too Few	120	Too Few	
Free T3	7.856	7.310	-0.66	Too Few	-6.9	Too Few	90	Too Few	
Free T4	3.930	3.830	-0.21	Too Few	-2.5	Too Few	120	Too Few	
TSH	0.992	1.060	0.48	Too Few	6.9	Too Few	104	Too Few	
Urea	123.691	126.000	0.25	Too Few	1.9	Too Few	120	Too Few	
Uric Acid (Urate)	9.326	9.400	0.12	Too Few	0.8	Too Few	120	Too Few	

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

END OF REPORT

RIQAS

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