Laboratorio Emotest s.r.l.

MONTHLY CLINICAL CHEMISTRY

CYCLE 20 SAMPLE 5

Explanation of codes used in this report

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

Authorised by: Stephen Doherty, RIQAS Manager | Issue No: 1 | Issue Date: 01/06/2023

Randox Laboratories Limited
55 Diamond Road
CRUMLIN BT29 4QY
Tel: +44 (0)28 9445 4399
Fax: +44 (0)28 9445 4398
Email: mail@riqas.com

RIQAS

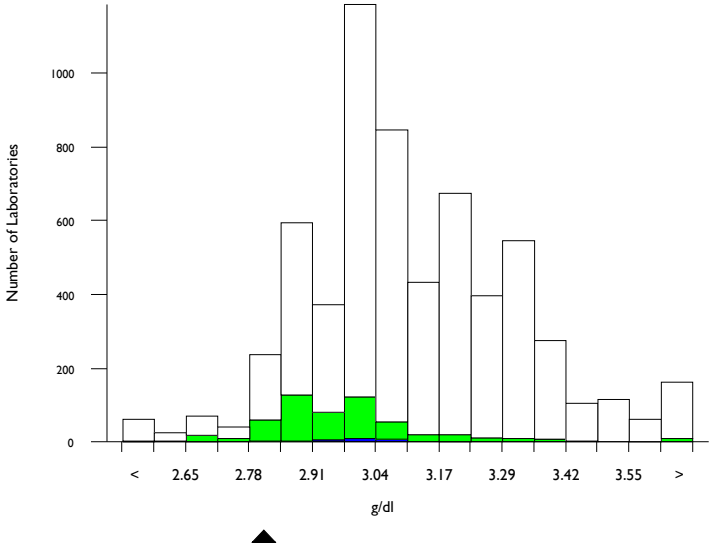
UKAS PROFICIENCY TESTING 0010

Albumin, g/dl

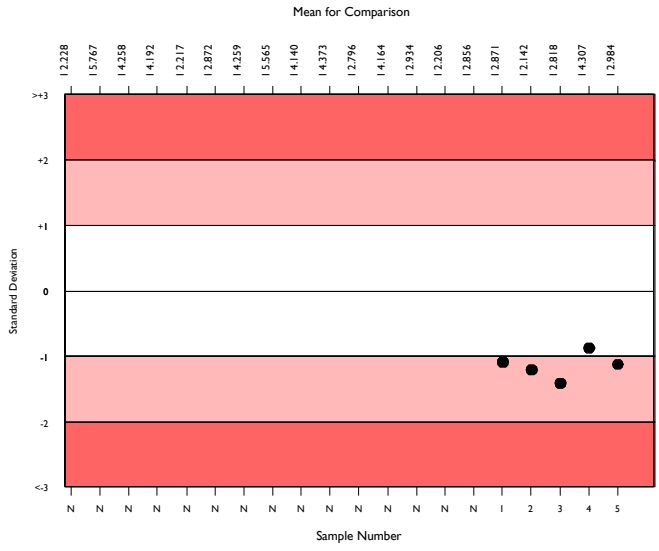
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	5806	3.106	5.5	0.00	0.17	391
Bromocresol Purple	512	2.951	3.9	0.01	0.16	45
Abbott Architect c systems	28	2.984	3.0	0.02	0.16	3

▲ Your Result	2.800	SDI	-1.13
		RMSDI	Too Few
Mean for Comparison	2.984	TS	66
		RMTS	Too Few
		%DEV	-6.2
		RM%DEV	Too Few

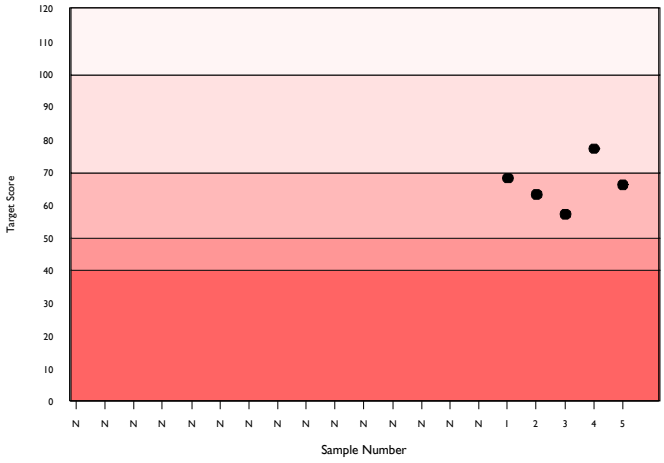
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	9.00%

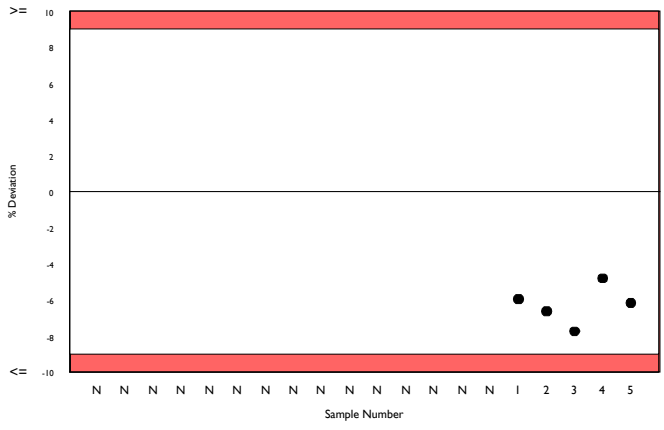


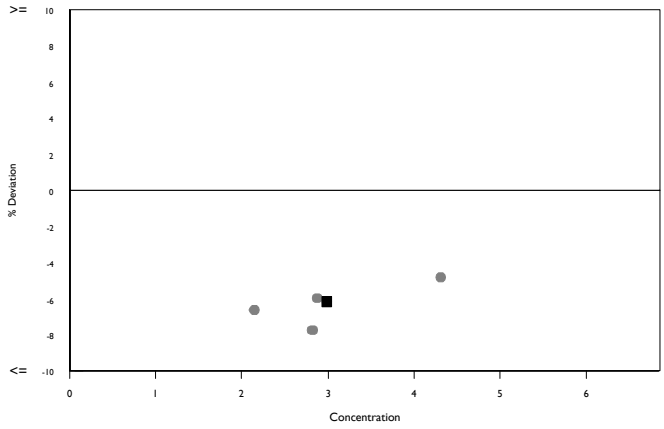
Method	N	Mean	CV%	U_m
Bromocresol Green	4799	3.120	5.4	0.00
Bromocresol Purple	512	2.951	3.9	0.01
Ortho Vitros MicroSlide Systems	220	3.103	3.4	0.01
Abbott Alinity Albumin BCG 2	68	3.027	1.4	0.01
Agappe - Bromocresol Green	58	3.338	3.9	0.02
Other Dry Chemistry	40	3.518	4.3	0.03
Turbidimetric Assays	36	3.133	7.2	0.05
Abbott Architect Albumin BCG 2	25	3.028	1.6	0.01
Nephelometric Assays	7	2.999	4.9	0.07
Abbott Architect Albumin BCP 2	8	2.800	0.0	0.00
Abbott Alinity Albumin BCP 2	5	2.790	2.0	0.03
Vitros DT60/DT60 II/DTSC II	2	3.145	2.0	0.06
Electrophoresis	2	3.044	0.6	0.02



TDPA = 9%







RIQAS

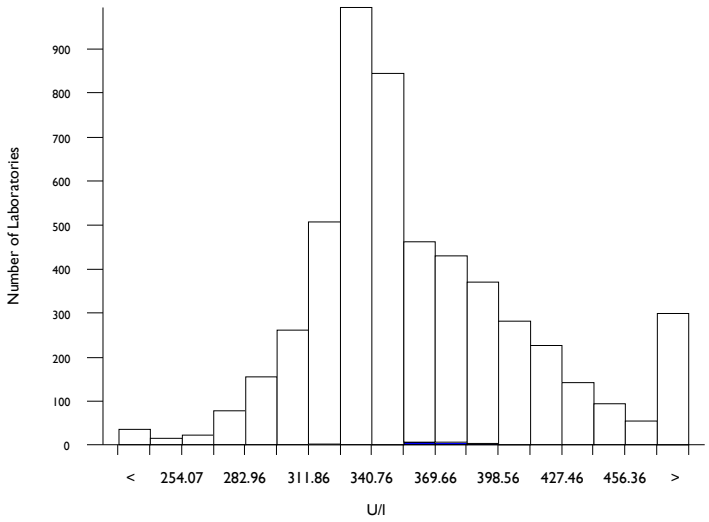
UKAS PROFICIENCY TESTING 0010

Alkaline Phosphatase, U/l @ 37°C

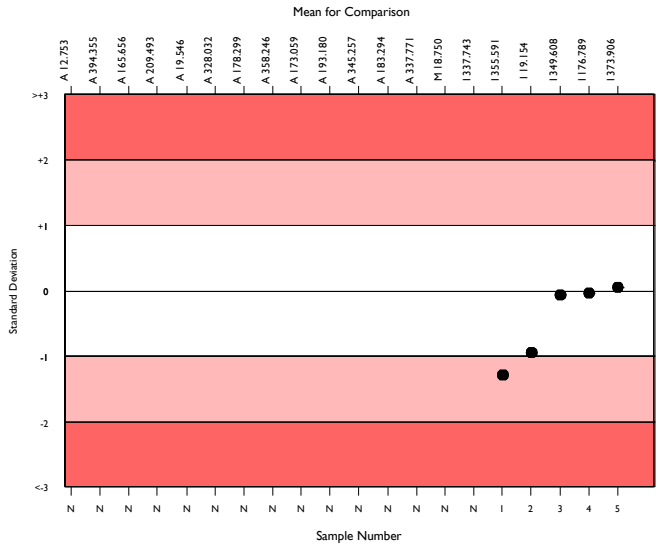
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	4856	355.217	10.8	0.69	39.95	412
Abbott Architect Alkaline Phosphatase 2	17	373.906	3.8	4.32	42.05	3
Abbott Architect c systems	17	373.906	3.8	4.32	42.05	3

Your Result	376.000	SDI	0.05
		RMSDI	Too Few
Mean for Comparison	373.906	TS	120
		RMTS	Too Few
		%DEV	0.6
		RM%DEV	Too Few

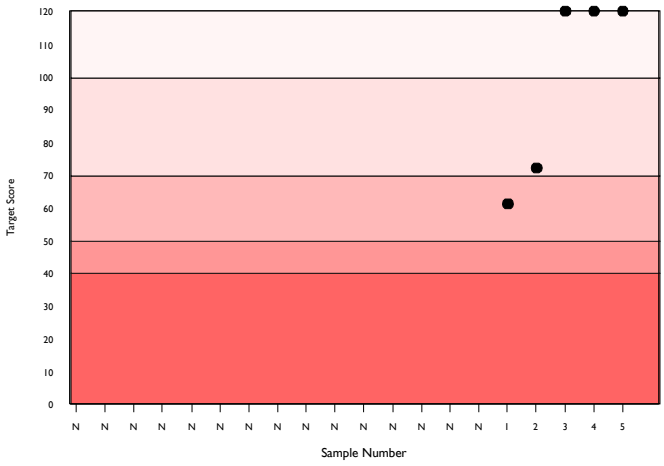
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	18.50%

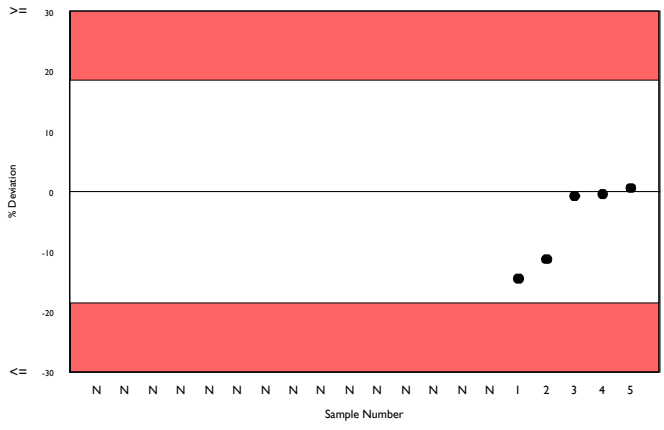


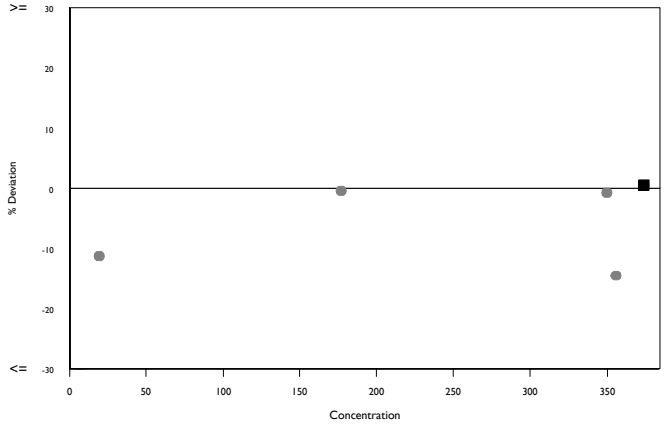
Method	N	Mean	CV%	U_m
AMP optimised to IFCC	2028	364.229	9.6	0.97
Roche AMP buffer IFCC	1192	336.001	4.0	0.49
Diethanolamine buffer, DEA	480	443.249	15.5	3.93
Ortho Vitros MicroSlide Systems	230	295.649	5.5	1.35
AMP non-optimised	224	359.808	8.0	2.41
Siemens/Dade Dimension AMP buffer	220	332.172	3.2	0.91
Beckman AMP (Calibrator)	144	408.752	5.8	2.45
Colorimetric	109	346.864	8.9	3.70
Agappe - DGKC-SCE	51	425.957	8.6	6.38
Other AMP kits	45	354.938	5.7	3.76
Other Dry Chemistry	38	377.267	10.2	7.82
Abbott Alinity Alkaline Phosphatase 2	32	369.250	4.6	3.75
Beckman AMP (Extinction Coeff)	25	396.636	6.4	6.34
Abbott Architect Alkaline Phosphatase 2	17	373.906	3.8	4.32
Fuji Dri-Chem JSCC	10	386.200	6.5	9.85
AMP optimised to NVKC/SFBC	9	419.991	14.6	25.60
AMPD optimised to JSCC	4	372.925	5.6	13.02



TDPA = 18.5%







RIQAS

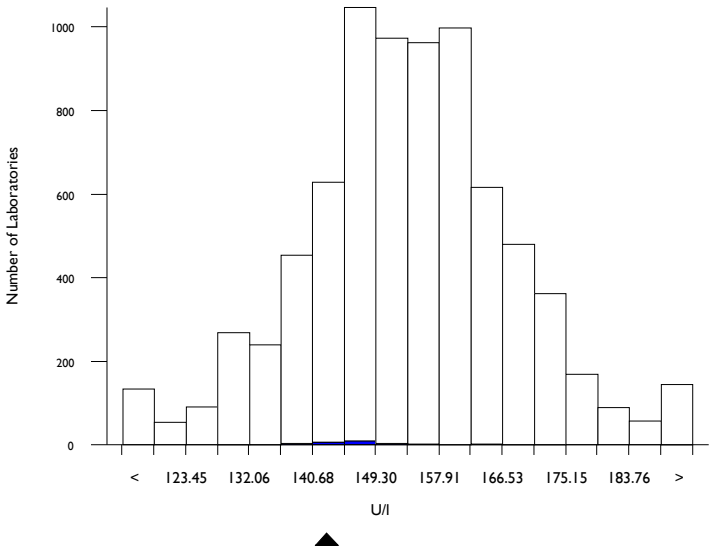
UKAS PROFICIENCY TESTING 0010

ALT (GPT), U/l @ 37°C

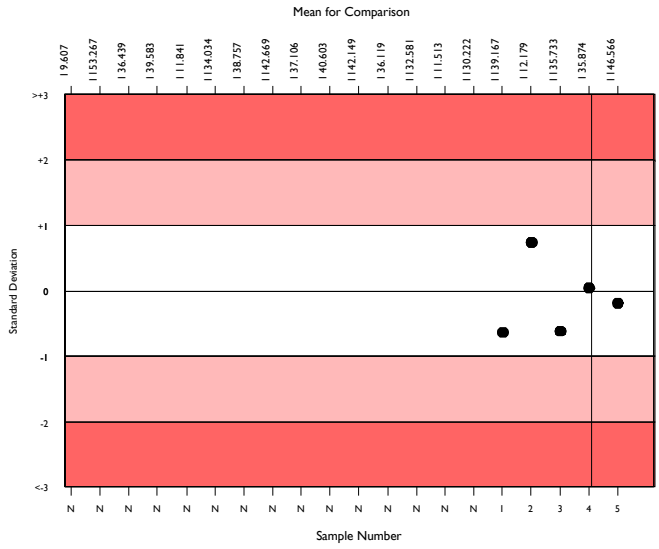
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	7245	153.609	7.5	0.17	14.10	520
Abbott Architect ALT 2	28	146.566	4.6	1.58	13.46	5
Abbott Architect c systems	28	146.566	4.6	1.58	13.46	5

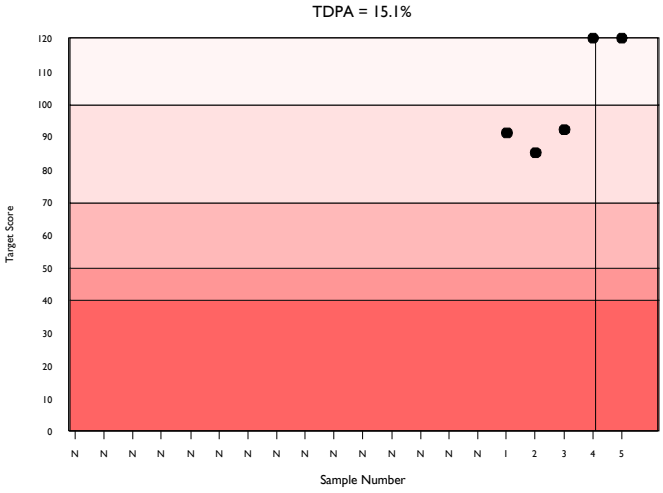
Your Result	144.000	SDI	-0.19
		RMSDI	Too Few
Mean for Comparison	146.566	TS	120
		RMTS	Too Few
		%DEV	-1.8
		RM%DEV	Too Few

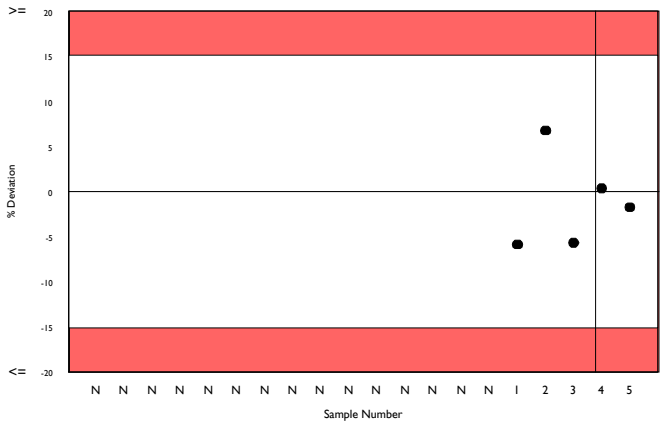
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	15.10%

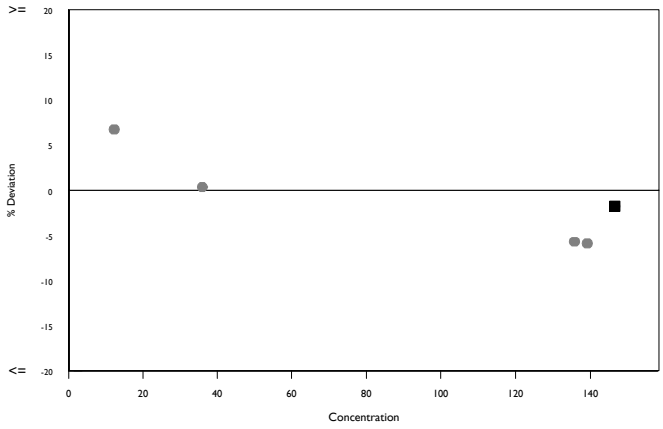


Method	N	Mean	CV%	U_m
Tris buffer without P5P	4715	150.563	7.9	0.22
Beckman Mod. IFCC Ref. without P5P	863	157.739	3.8	0.25
Tris buffer with P5P	718	159.701	6.2	0.46
Ortho Vitros MicroSlide Systems	168	159.273	3.3	0.51
Siemens/Dade standard nonIFCC correlated	157	169.423	3.4	0.58
Beckman IFCC Ref. with P5P	118	158.897	5.4	0.99
Agappe - IFCC	91	162.320	5.9	1.25
Ortho Vitros MicroSlide visible	76	157.363	3.3	0.75
Other Dry Chemistry	65	154.186	6.4	1.53
Colorimetric	65	151.976	7.2	1.70
Abbott Alinity ALT 2	47	146.187	3.2	0.86
Abbott Architect ALT 2	28	146.566	4.6	1.58
Phosphate buffer, DGKC	22	162.395	9.0	3.88
Tris buffer with P5P, NVKC	19	153.189	5.5	2.43
Tris buffer, SCE	14	151.336	5.6	2.84
Beckman (Extinction Coefficient)	11	157.717	3.5	2.07
LDH - JSCC	7	138.643	15.1	9.86









RIQAS

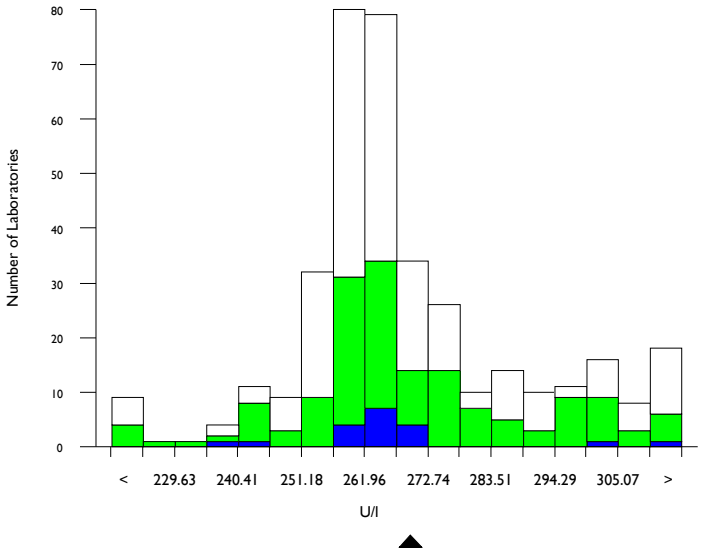
UKAS PROFICIENCY TESTING 0010

Amylase, Pancreatic, U/l @ 37°C

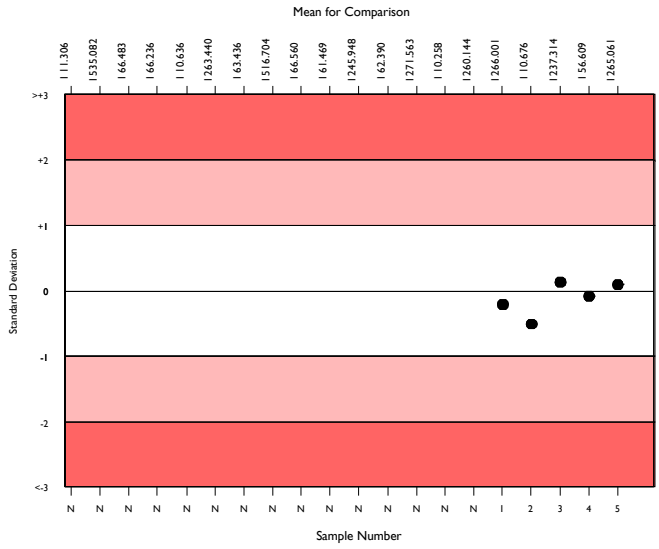
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	336	267.353	5.4	0.98	33.00	37
Immunoinhibition, EPS substrate	151	269.201	6.1	1.67	33.22	12
Abbott Architect c systems	15	265.061	1.5	1.26	32.71	4

Your Result	268.000	SDI	0.09
		RMSDI	Too Few
Mean for Comparison	265.061	TS	120
		RMTS	Too Few
		%DEV	1.1
		RM%DEV	Too Few

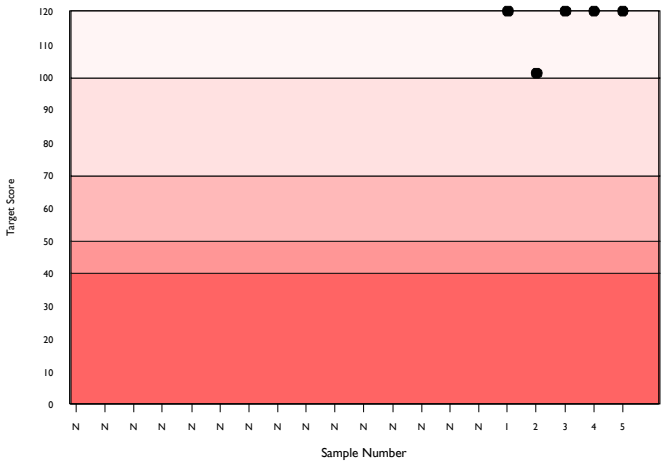
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	20.30%

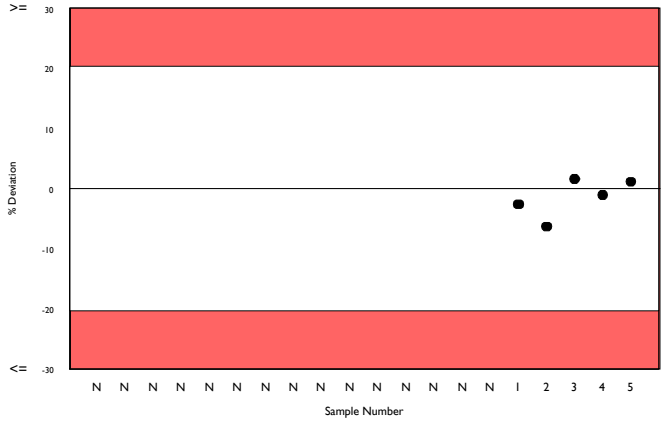


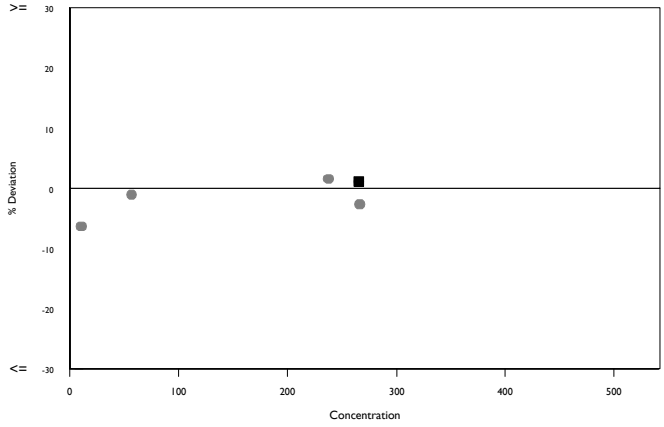
Method	N	Mean	CV%	U_m
Immunoinhibition, EPS substrate	151	269.201	6.1	1.67
Roche Liquid Stable pNPG7	137	262.491	2.6	0.72
Amyloclastic Methods	21	296.314	10.6	8.58
Beckman Synchron/CX/LXi/DxC	12	277.227	7.9	7.88
Randox Liquid Stable pNPG7	10	292.692	7.9	9.08
Other Dry Chemistry	7	238.557	12.8	14.38



TDPA = 20.3%







RIQAS

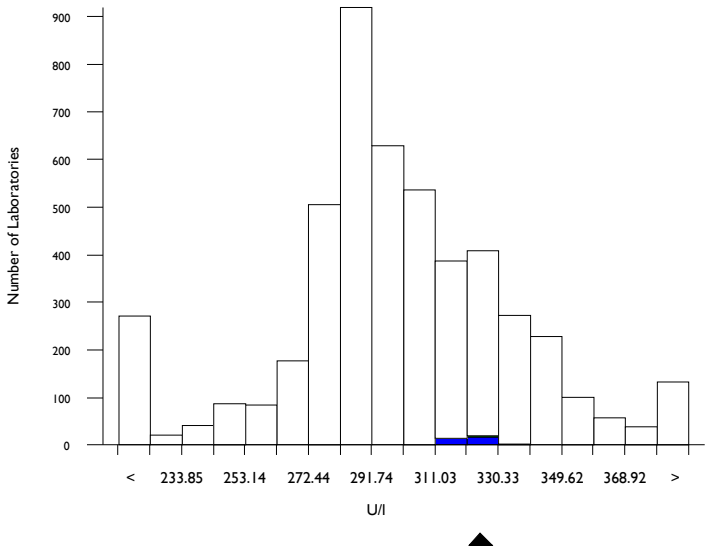
UKAS PROFICIENCY TESTING 0010

Amylase, Total, U/l @ 37°C

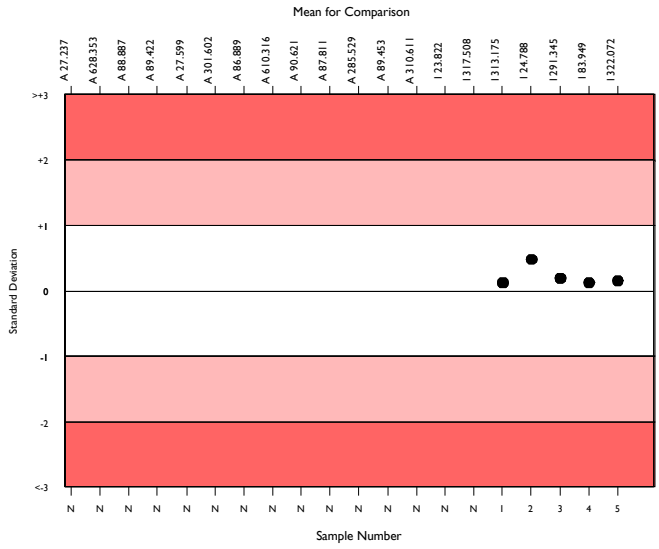
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	4457	301.389	8.5	0.48	30.97	434
Abbott Architect Amylase 2	36	322.871	2.0	1.33	33.17	5
Abbott Architect c systems	33	322.072	1.9	1.30	33.09	5

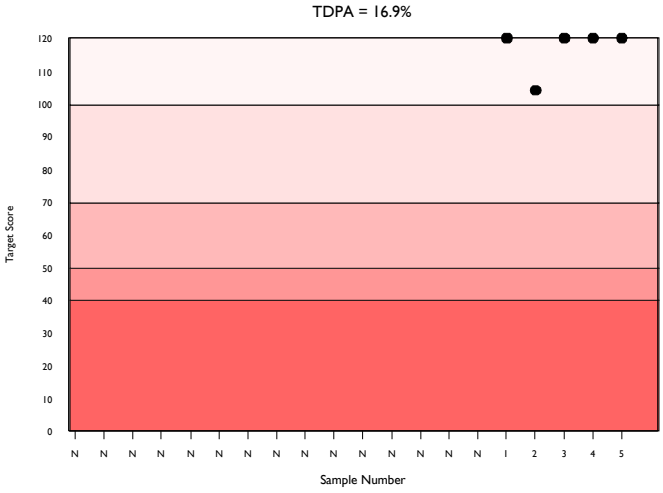
Your Result	327.000	SDI	0.15
		RMSDI	Too Few
Mean for Comparison	322.072	TS	120
		RMTS	Too Few
		%DEV	1.5
		RM%DEV	Too Few

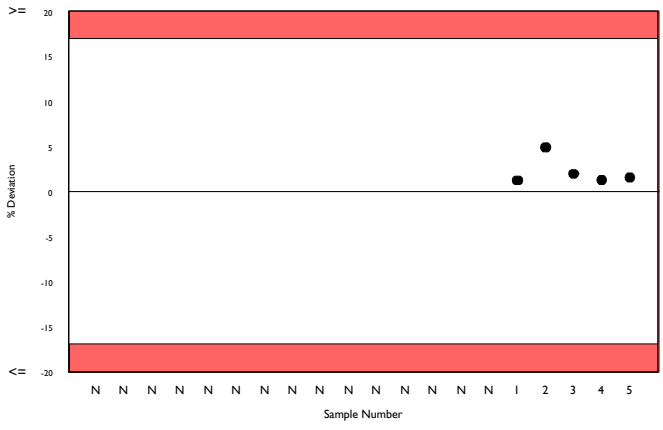
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	16.90%

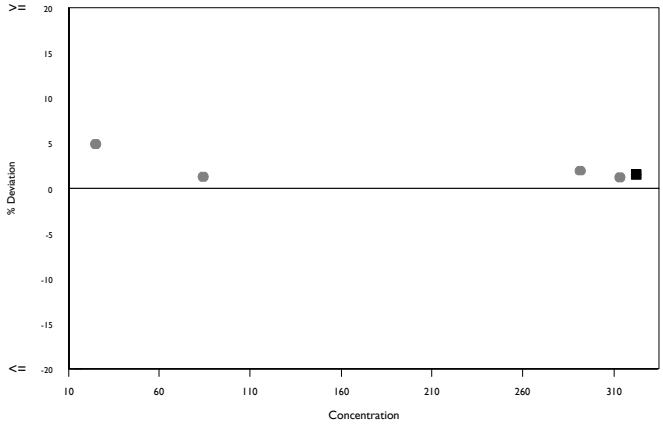


Method	N	Mean	CV%	U_m
Other 2-chloro-pNPG3	1026	300.123	10.2	1.20
Roche liquid stable pNPG7	904	286.275	2.2	0.26
Beckman Olympus blocked pNPG7	231	302.665	3.8	0.94
Beckman CNPG3 (Master Cal)	222	295.777	3.7	0.92
Siemens/Dade Behring 2-chloro-pNPG3	224	341.617	2.5	0.70
Siemens - blocked pNPG7	172	324.111	5.4	1.67
Ortho Vitros MicroSlide Systems	156	188.176	4.5	0.86
Other - blocked pNPG7	140	301.337	7.7	2.47
Other non blocked pNPG7	122	304.674	7.4	2.57
Randox Liquid Ethylidene pNPG7	118	309.272	6.9	2.46
Abbott Architect/Alinity cal factor 3431	106	322.793	2.4	0.94
Roche Integra 2-chloro-pNPG7	73	288.243	2.4	1.00
Abbott Alinity Amylase 2	73	321.838	1.4	0.65
Other 2-chloro-pNP-linked sub.	65	311.010	7.7	3.73
Human CNPG3 (IFCC)	64	311.750	8.3	4.06
Beckman Synchron AMY7	64	305.914	3.4	1.62
Agappe - CNPG3	59	312.066	3.5	1.76
pNP Maltotrioside substrates	55	310.777	6.1	3.21
BM/Roche Colorimetric pNPG7	52	284.226	2.1	1.02
Wiener Amilokit (AU/dl)	47	203.555	16.4	6.10
Abbott Architect/Alinity cal factor 3806	46	333.733	4.7	2.90









RIQAS

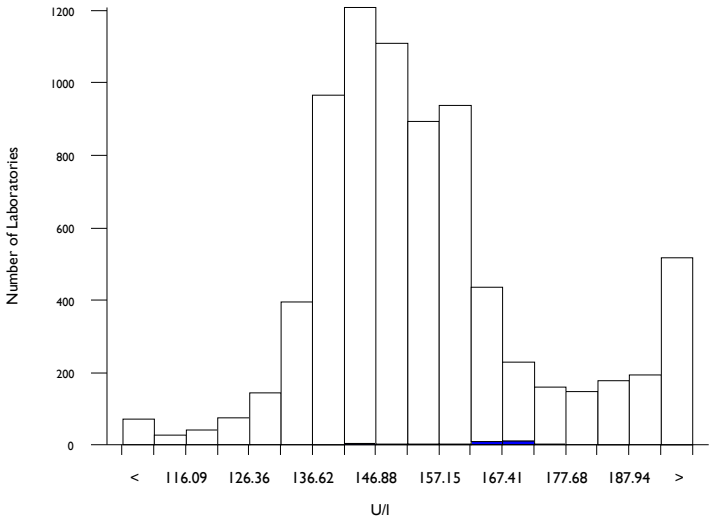
UKAS PROFICIENCY TESTING 0010

AST (GOT), U/l @ 37°C

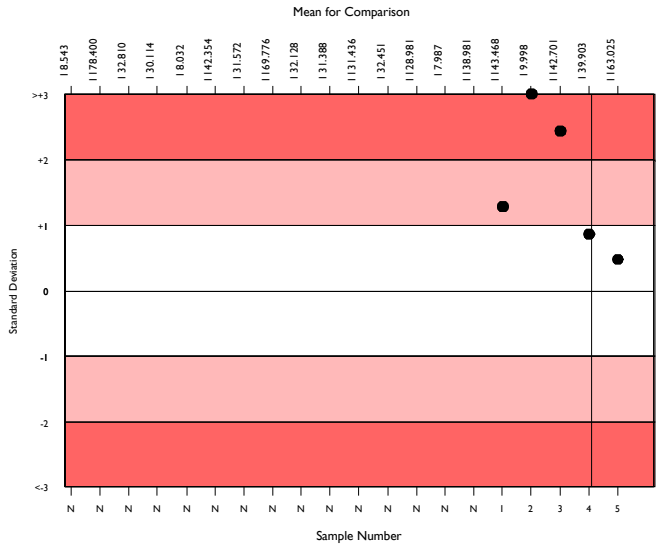
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	7028	152.021	9.0	0.20	13.68	699
Abbott Architect AST 2	36	163.025	5.7	1.95	14.67	3
Abbott Architect c systems	36	163.025	5.7	1.95	14.67	3

Your Result	170.000	SDI	0.48
		RMSDI	Too Few
Mean for Comparison	163.025	TS	104
		RMTS	Too Few
		%DEV	4.3
		RM%DEV	Too Few

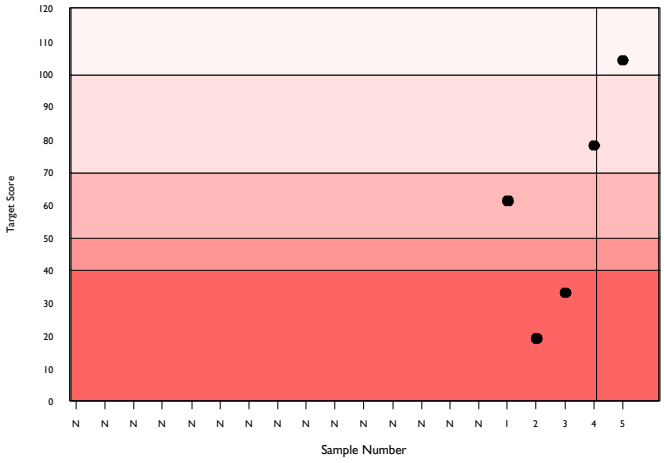
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	14.80%

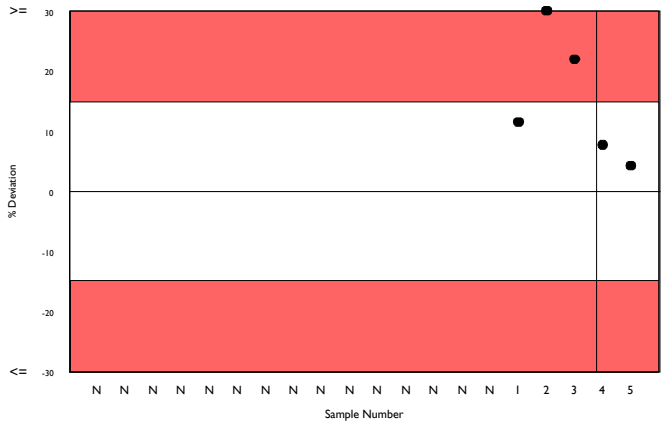


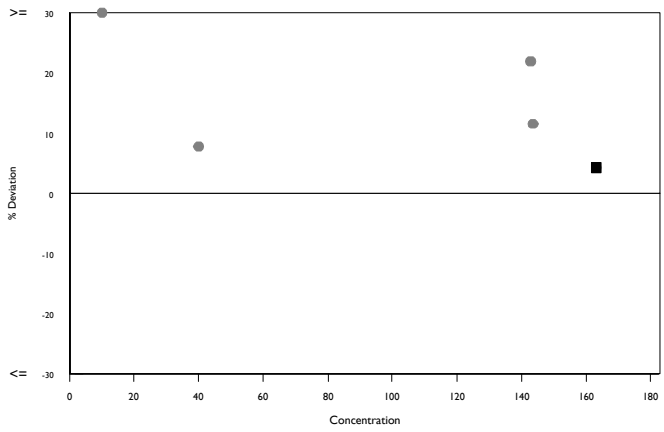
Method	N	Mean	CV%	U_m
Tris buffer without P5P	4658	147.669	6.6	0.18
Beckman Mod. IFCC Ref. without P5P	879	156.658	3.5	0.23
Tris buffer with P5P	702	178.981	12.1	1.02
Ortho Vitros MicroSlide visible	238	192.811	4.1	0.65
Siemens/Dade standard non IFCC corr.	174	184.434	7.2	1.26
Beckman IFCC Ref. with P5P	94	156.444	5.8	1.17
Agappe - IFCC	88	145.518	4.7	0.91
Other Dry Chemistry	56	150.316	2.5	0.63
Colorimetric	60	148.692	7.3	1.76
Abbott Alinity AST 2	46	159.828	7.3	2.16
Abbott Architect AST 2	36	163.025	5.7	1.95
Phosphate buffer, DGKC	24	153.211	4.9	1.91
Tris buffer with P5P, NVKC	21	138.785	5.5	2.07
Tris buffer, SCE	13	154.248	4.4	2.37
Beckman (Extinction Coefficient)	11	155.847	3.9	2.30
MDH - JSCC	3	163.667	20.8	24.58
Vitros DT60/DT60 II/DTSC II	2	151.500	1.4	1.87



TDPA = 14.8%







RIQAS

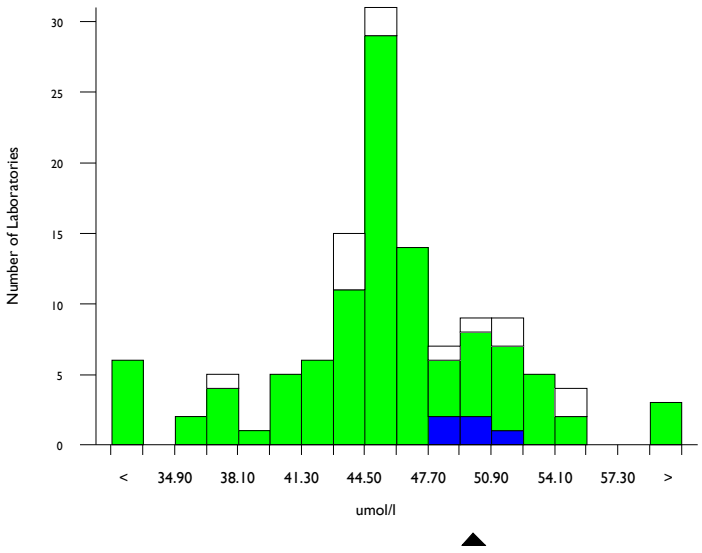
UKAS PROFICIENCY TESTING 0010

Bile Acids, umol/l

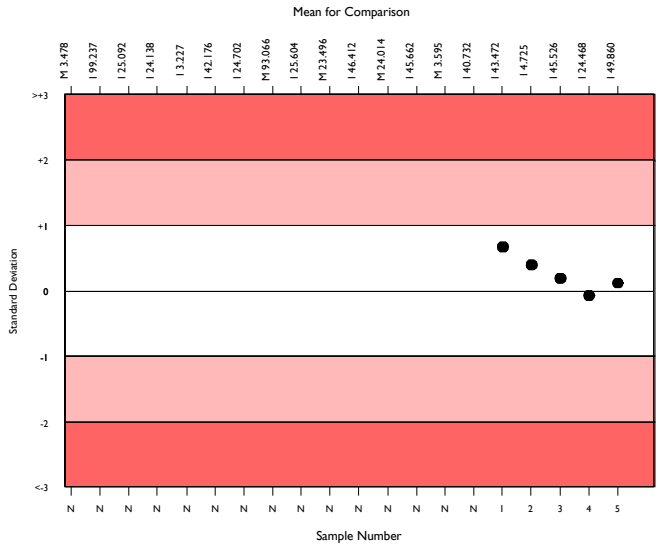
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	113	46.104	9.3	0.50	6.87	9
Enzymatic Colorimetric	100	45.971	9.0	0.52	6.85	9
Abbott Architect c systems	5	49.860	3.3	0.92	7.43	0

Your Result	50.700	SDI	0.11
		RMSDI	Too Few
Mean for Comparison	49.860	TS	120
		RMTS	Too Few
		%DEV	1.7
		RM%DEV	Too Few

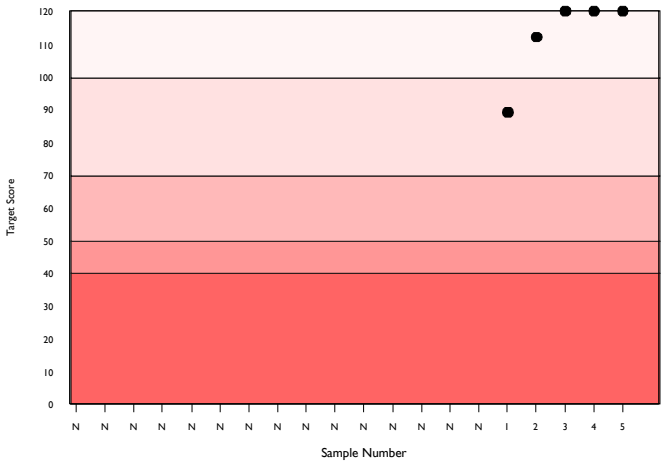
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	24.50%

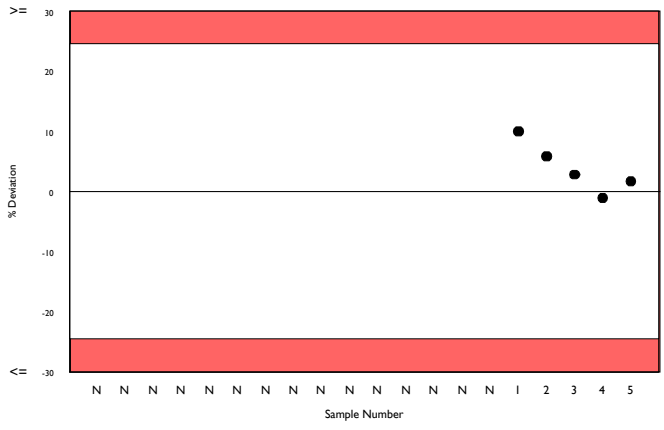


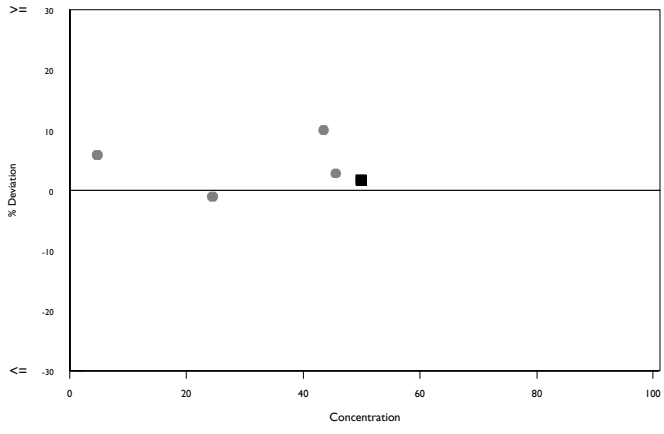
Method	N	Mean	CV%	U_m
Enzymatic Colorimetric	100	45.971	9.0	0.52
Enzymatic Colorimetric - Sentinel	13	47.131	11.2	1.83



TDPA = 24.5%







RIQAS

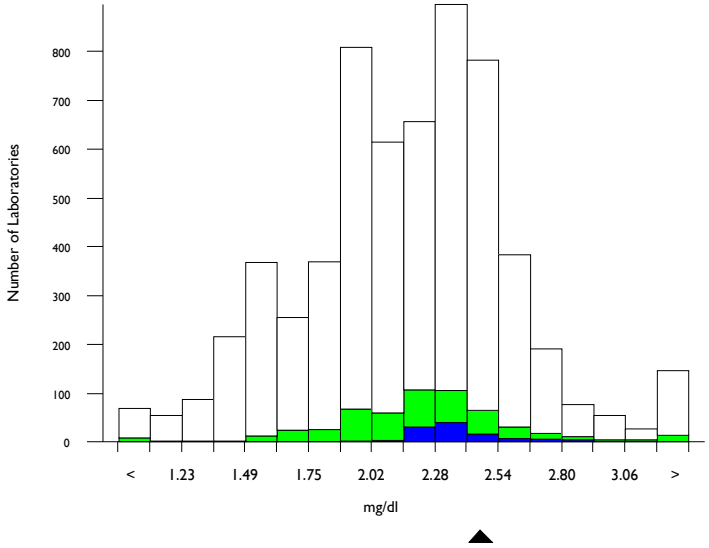
UKAS PROFICIENCY TESTING 0010

Bilirubin, Direct, mg/dl

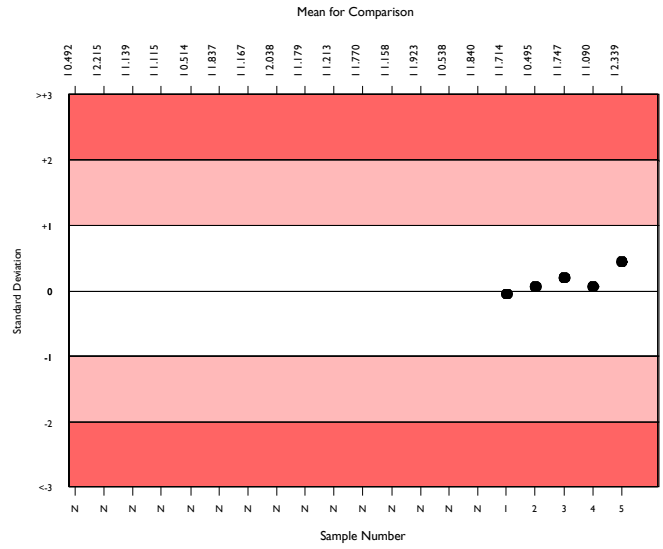
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	5623	2.151	16.2	0.01	0.34	430
Diazo with Dichloroanaline	502	2.226	11.4	0.01	0.35	55
Abbott Architect c systems	97	2.339	5.4	0.02	0.37	11

Your Result	2.500	SDI	0.44
		RMSDI	Too Few
Mean for Comparison	2.339	TS	107
		RMTS	Too Few
		%DEV	6.9
		RM%DEV	Too Few

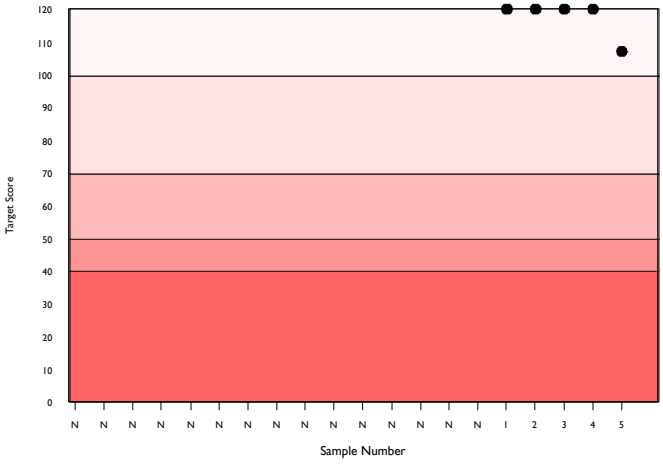
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	25.80%

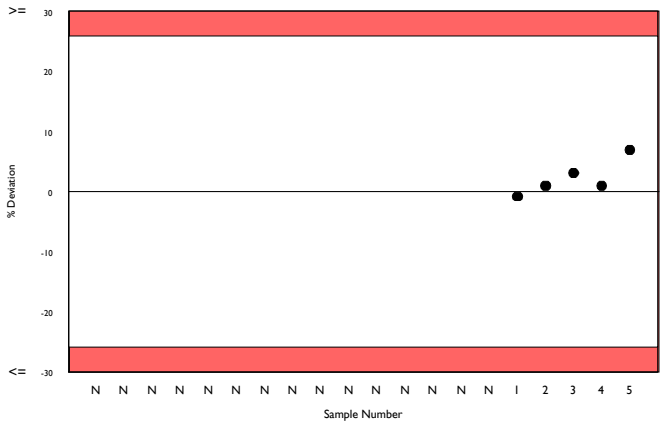


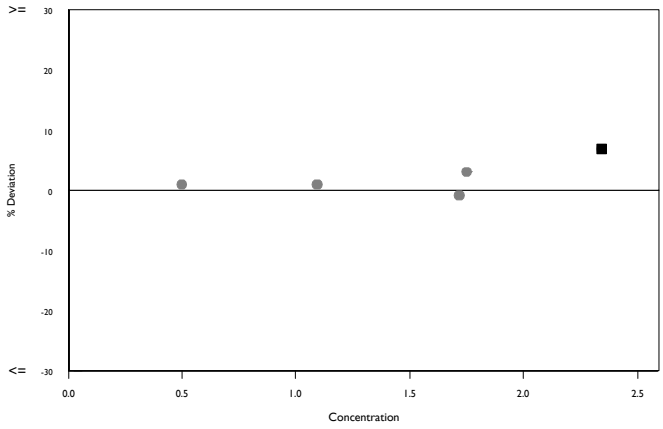
Method	N	Mean	CV%	U_m
Diazo with Sulphanilic Acid	2061	2.087	18.8	0.01
Dichlorophenyl Diazonium	1597	2.175	12.8	0.01
Diazo with Dichloroanaline	502	2.226	11.4	0.01
Oxidation to Biliverdin/Vanadate	374	2.279	8.0	0.01
Roche DPD JG standardised	367	2.482	4.8	0.01
Diazo/ Sulphanilic Siemens Dimension	240	1.559	4.6	0.01
Roche DPD Doumas standardised	215	2.268	10.7	0.02
Diazo/Sulphanilic Beckman DxC	115	1.914	11.4	0.03
Agappe - DIAZO	60	1.263	11.6	0.02
Other Dry Chemistry	49	2.889	9.8	0.05
Direct Spectrophotometry	5	2.078	12.2	0.14
Roche (US calibrator only)	4	2.627	13.2	0.22



TDPA = 25.8%







RIQAS

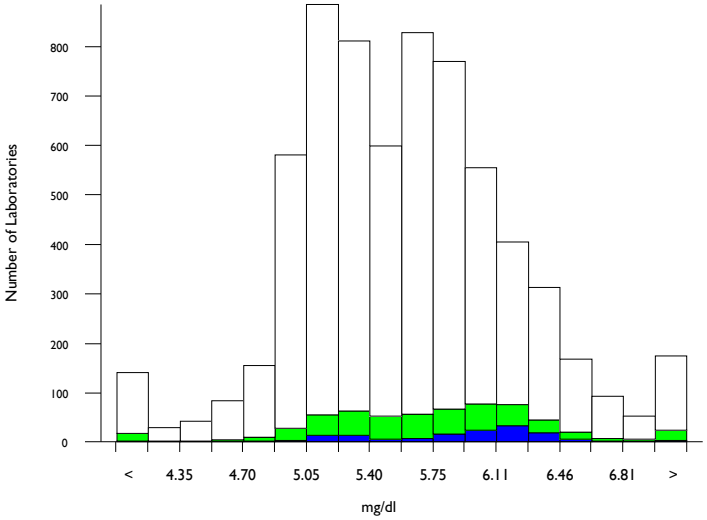
UKAS PROFICIENCY TESTING 0010

Bilirubin, Total, mg/dl

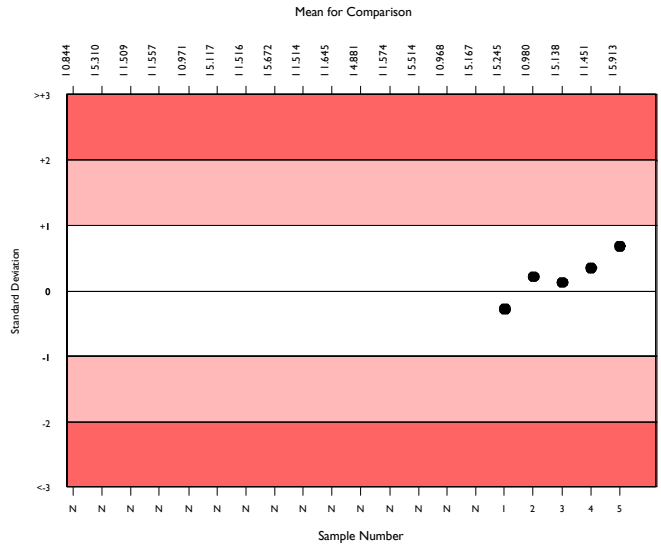
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	6219	5.584	8.4	0.01	0.54	466
Diazo with Dichloroaniline	556	5.760	8.2	0.02	0.56	48
Abbott Architect c systems	141	5.913	7.3	0.05	0.57	7

Your Result	6.300	SDI	0.68
		RMSDI	Too Few
Mean for Comparison	5.913	TS	89
		RMTS	Too Few
		%DEV	6.5
		RM%DEV	Too Few

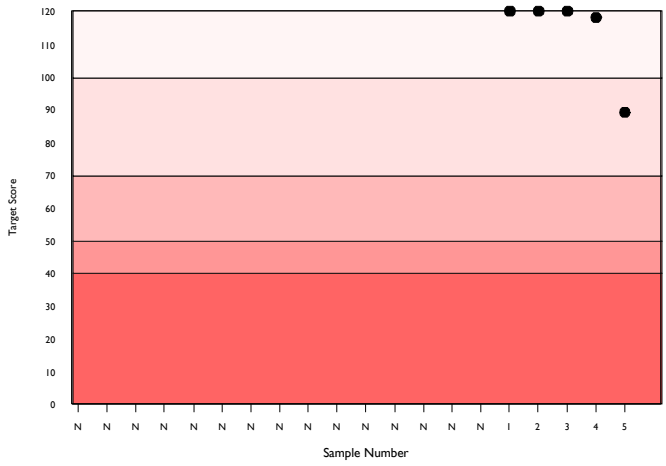
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	15.90%

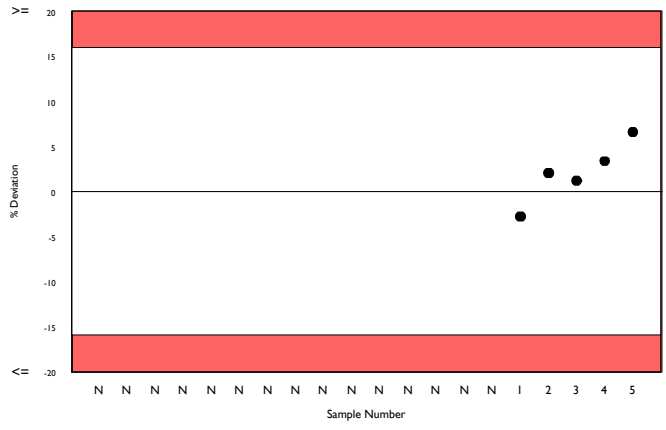


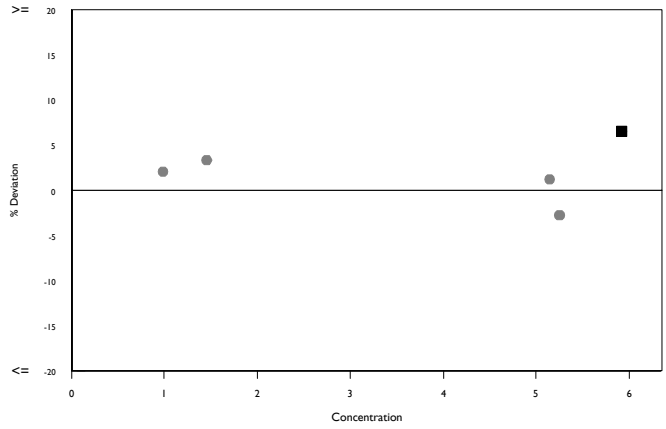
Method	N	Mean	CV%	U_m
Diazo with Sulphanilic Acid	2339	5.596	8.9	0.01
Dichlorophenyl Diazonium	1367	5.375	6.9	0.01
Diazo with Dichloroaniline	556	5.760	8.2	0.02
DPD (Beckman AU)	536	5.807	3.3	0.01
Diazonium ion	546	5.367	6.8	0.02
Oxidation to Biliverdin/Vanadate	404	6.174	6.9	0.03
Ortho Vitros MicroSlide System Total Bil	203	5.345	5.3	0.02
Other Dry Chemistry	52	5.303	4.5	0.04
Agappe - TAB	51	5.452	3.9	0.04
Nitrobenzenediazonium Salt	28	5.452	4.9	0.06
Abbott Alinity Total Bilirubin 2	19	5.648	7.2	0.12
Agappe - DMSO	11	5.330	4.9	0.10
Direct Spectrophotometry	10	5.584	12.2	0.27
Abbott Architect Total Bilirubin 2	9	5.842	7.5	0.18
Vitros DT60/DT60 II Total Bil	4	5.803	7.1	0.26
Assel - DMSO	3	5.903	14.3	0.61



TDPA = 15.9%







RIQAS

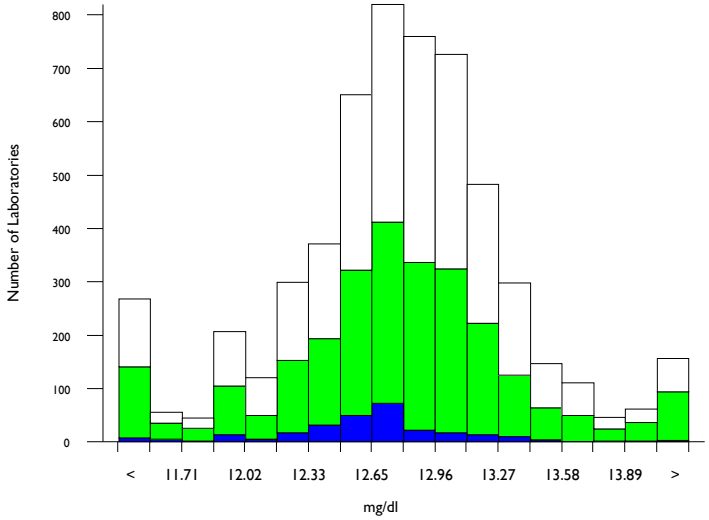
UKAS PROFICIENCY TESTING 0010

Calcium, mg/dl

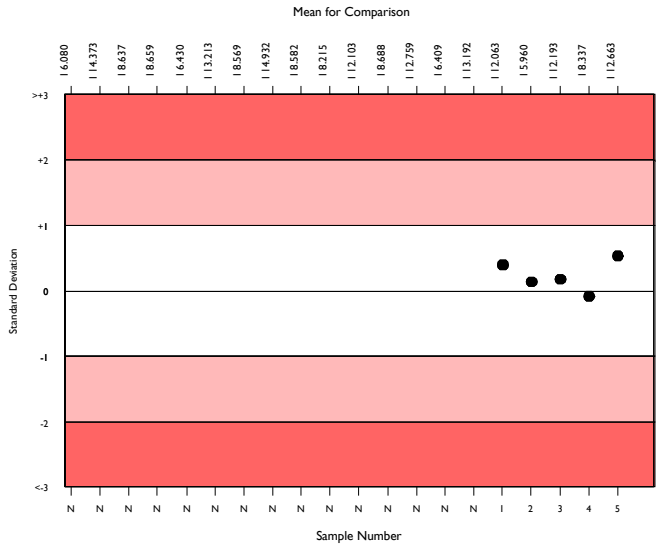
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	5109	12.806	3.2	0.01	0.65	510
Arsenazo	2472	12.789	3.5	0.01	0.65	239
Abbott Architect c systems	249	12.663	2.5	0.03	0.64	26

▲ Your Result	13.000	SDI	0.53
		RMSDI	Too Few
Mean for Comparison	12.663	TS	99
		RMTS	Too Few
		%DEV	2.7
		RM%DEV	Too Few

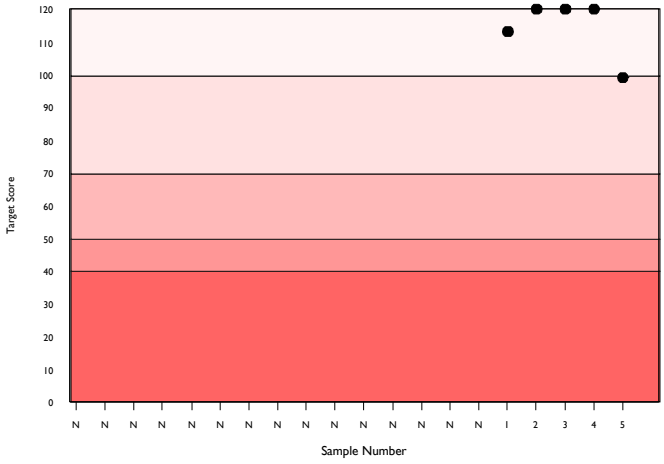
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	8.30%

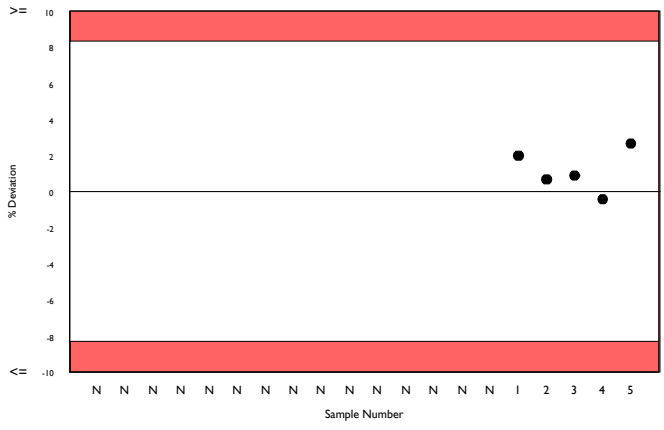


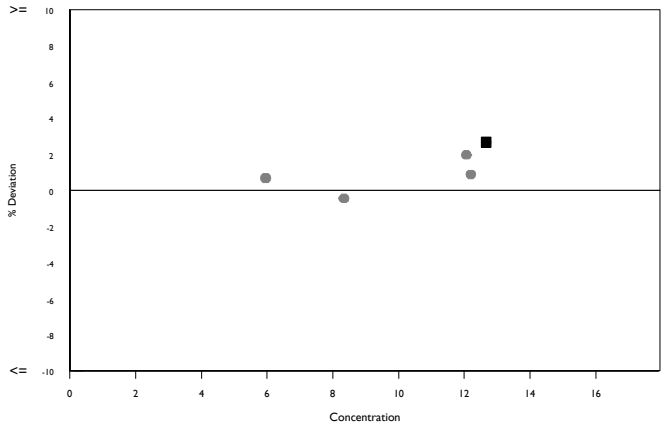
Method	N	Mean	CV%	U_m
Arsenazo	2472	12.789	3.5	0.01
Cresolphthalein complexone	1174	12.755	3.4	0.02
NM-BAPTA	968	12.942	2.0	0.01
Ortho Vitros MicroSlide Systems	235	12.557	2.5	0.03
Ion selective electrode	137	12.448	5.7	0.08
Agappe - ARSENAZO	47	13.171	2.9	0.07
Other Dry Chemistry	44	13.558	4.6	0.12
Phosphonazo	26	12.699	3.5	0.11
Methylthymol blue	13	12.649	4.1	0.18
Atomic absorption	7	12.956	3.2	0.19
Agappe - OCPC	3	12.320	12.9	1.15
Optical Emission Spectroscopy	2	12.900	8.8	1.00
Vitros DT60/DT60 II/DTSC II	2	12.650	11.7	1.31



TDPA = 8.3%







RIQAS

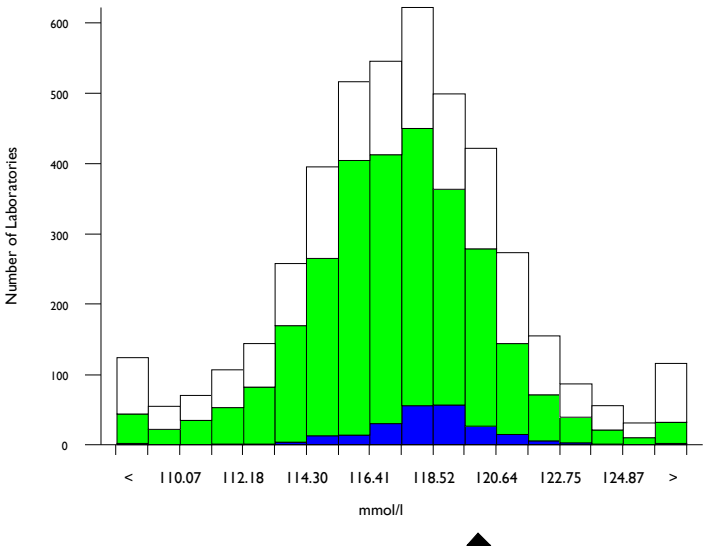
UKAS PROFICIENCY TESTING 0010

Chloride, mmol/l

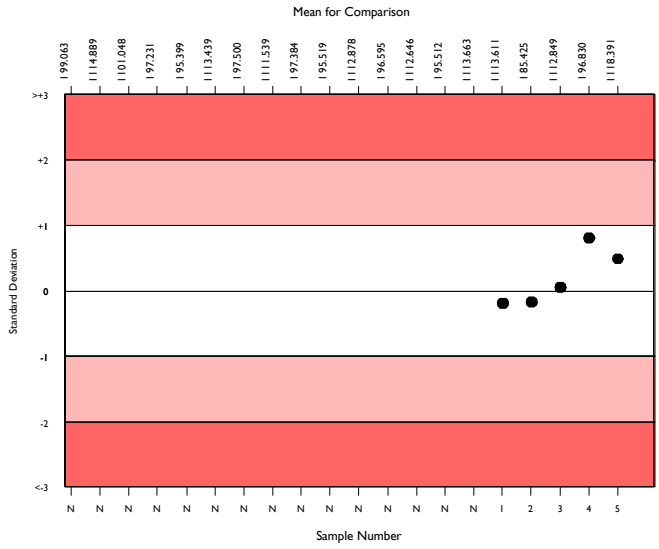
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	4144	117.472	2.4	0.05	3.29	334
ISE, indirect	2711	117.405	2.0	0.06	3.28	185
Abbott Architect c systems	218	118.391	1.4	0.14	3.31	14

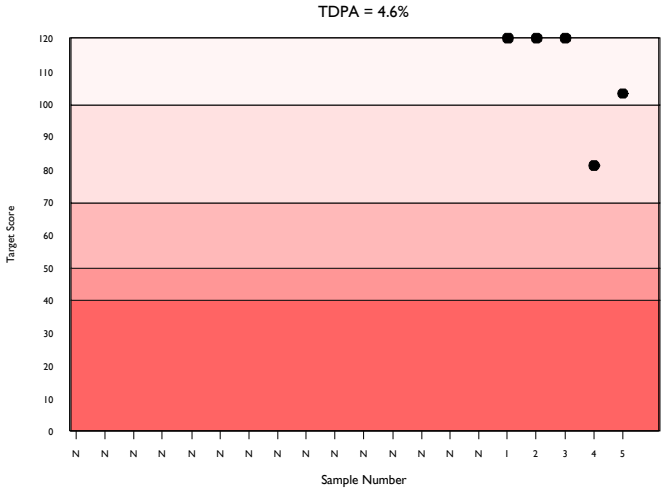
Your Result	120.000	SDI	0.49
		RMSDI	Too Few
Mean for Comparison	118.391	TS	103
		RMTS	Too Few
		%DEV	1.4
		RM%DEV	Too Few

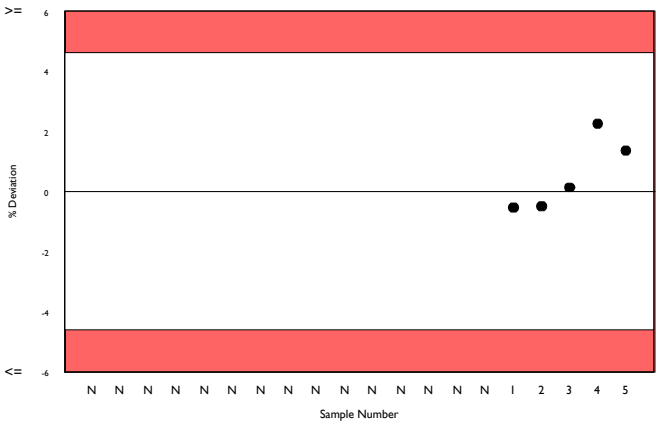
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	4.60%

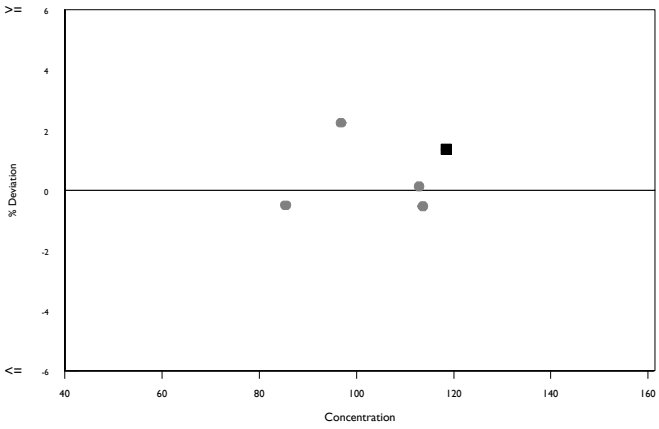


Method	N	Mean	CV%	U_m
ISE, indirect	2711	117.405	2.0	0.06
ISE, direct	1116	117.530	3.1	0.13
Ortho Vitros MicroSlide Systems	147	119.793	1.7	0.22
Colorimetric	116	113.257	4.2	0.55
Other Dry Chemistry	43	118.842	2.7	0.60
Agappe - THIOCYANATE	21	122.095	1.8	0.61
Optical Fluorescence	2	131.400	11.6	13.50









RIQAS

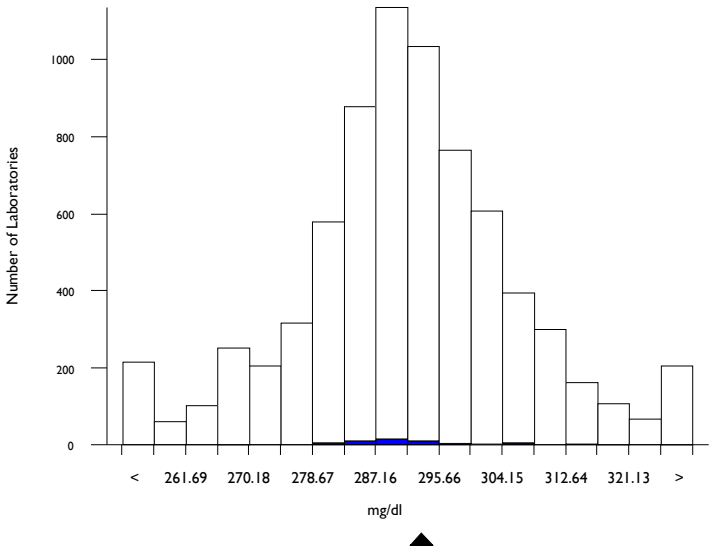
UKAS PROFICIENCY TESTING 0010

Cholesterol, mg/dl

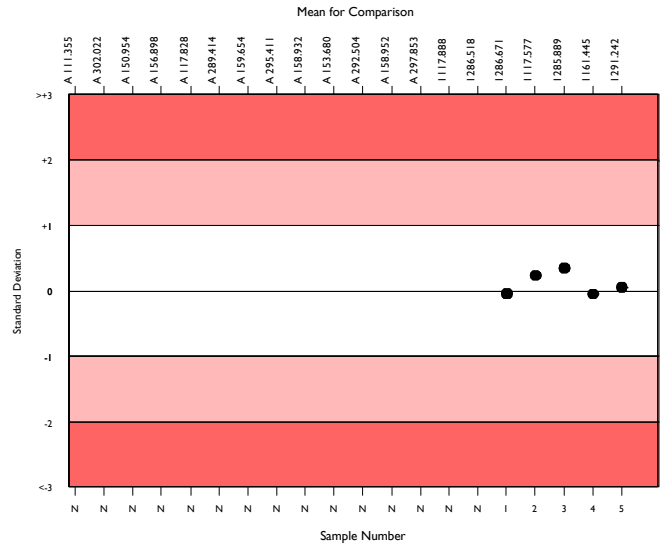
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	6762	291.414	3.9	0.17	15.23	615
Abbott Architect Cholesterol 2	53	291.573	2.5	1.27	15.24	5
Abbott Architect c systems	51	291.242	2.5	1.25	15.23	5

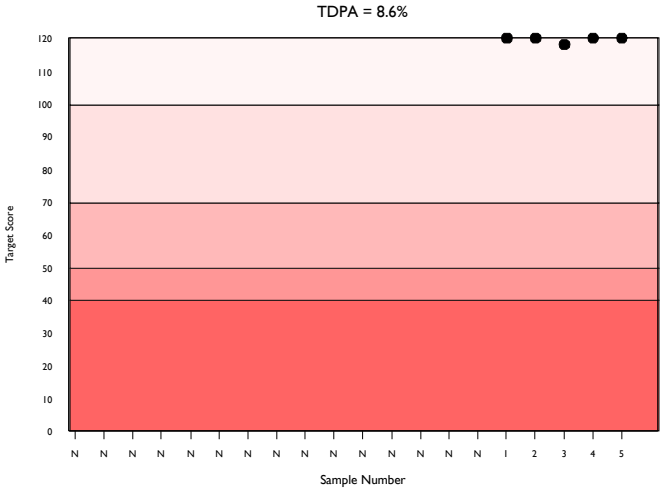
Your Result	292.000	SDI	0.05
		RMSDI	Too Few
Mean for Comparison	291.242	TS	120
		RMTS	Too Few
		%DEV	0.3
		RM%DEV	Too Few

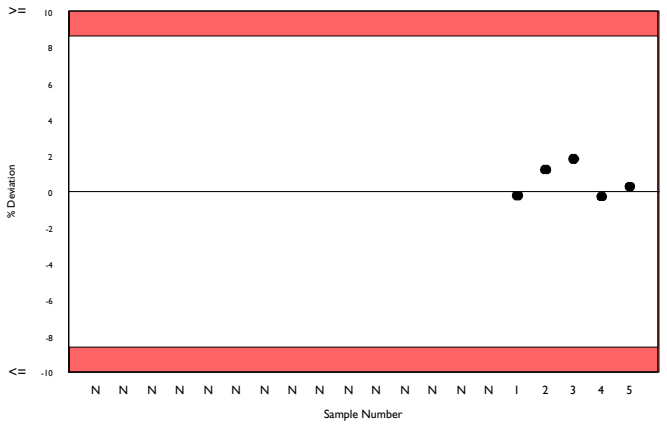
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	8.60%

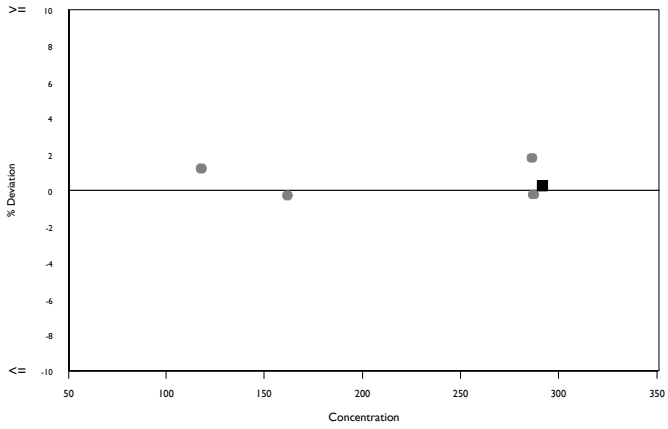


Method	N	Mean	CV%	U_m
Cholesterol Oxidase - Abell Kendall	4869	292.072	3.8	0.20
Cholesterol Oxidase - IDMS	943	294.928	3.2	0.38
Ortho Vitros MicroSlide Systems	240	281.030	2.8	0.64
Siemens Dimension	240	279.231	3.3	0.75
Cholesterol Dehydrogenase	156	293.221	4.4	1.28
Agappe - CHOD-PAP	88	283.971	5.1	1.93
Abbott Alinity Cholesterol 2	76	290.183	1.7	0.68
Other Dry Chemistry	57	275.556	5.5	2.53
Abbott Architect Cholesterol 2	53	291.573	2.5	1.27
Dimension - non Siemens reagents	4	285.962	7.1	12.62









RIQAS

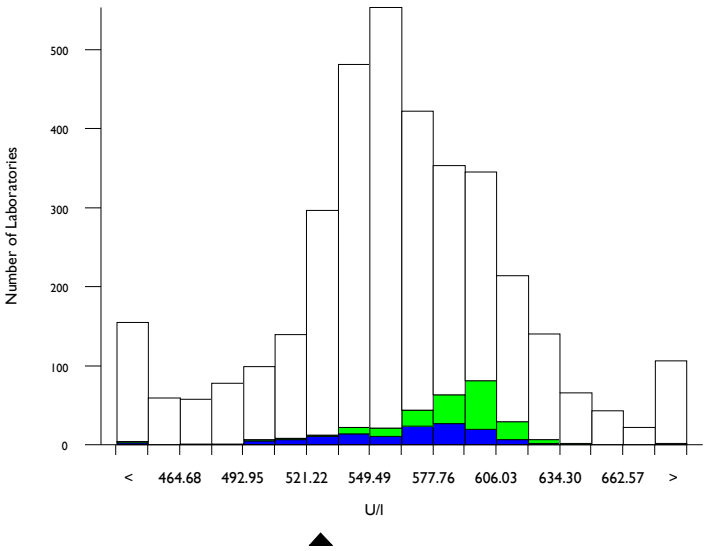
UKAS PROFICIENCY TESTING 0010

CK, Total, U/l @ 37°C

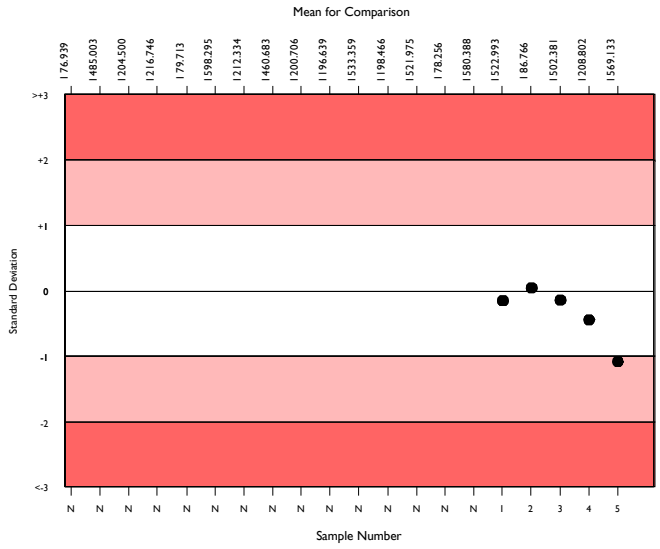
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	3280	563.626	6.7	0.82	41.12	350
Abbott CK-NAC (IFCC)	279	582.468	4.0	1.74	42.49	25
Abbott Architect c systems	125	569.133	5.2	3.29	41.52	8

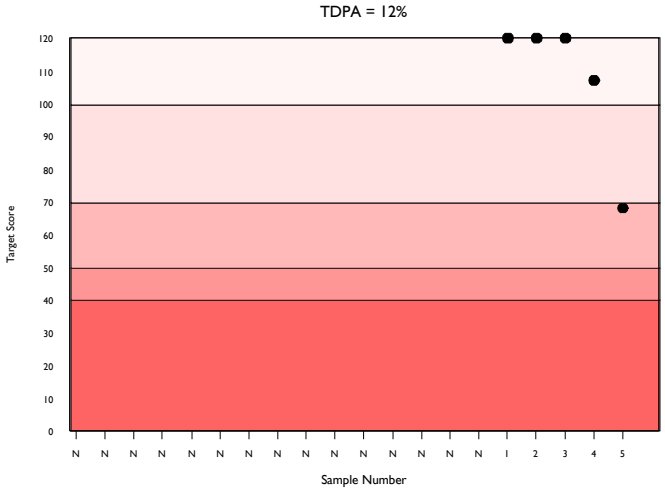
Your Result	524.000	SDI	-1.09
		RMSDI	Too Few
Mean for Comparison	569.133	TS	68
		RMTS	Too Few
		%DEV	-7.9
		RM%DEV	Too Few

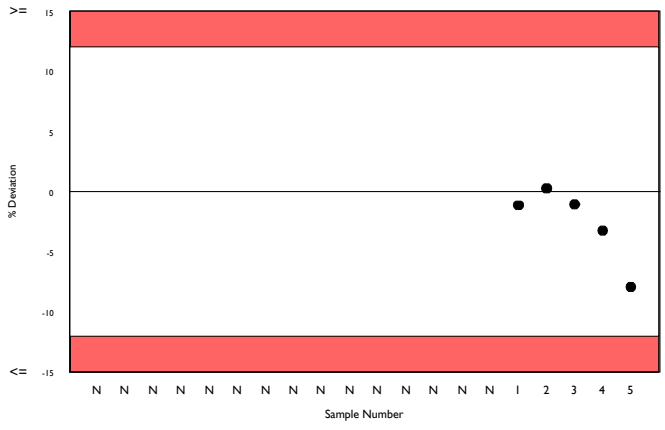
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	12.00%

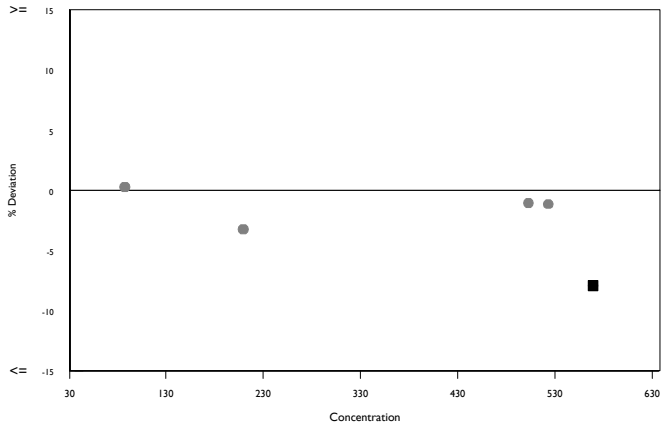


Method	N	Mean	CV%	U_m
CK-NAC (IFCC)	1884	555.801	5.1	0.81
Beckman CK-NAC (IFCC)	439	601.803	3.9	1.38
Abbott CK-NAC (IFCC)	279	582.468	4.0	1.74
CK-NAC substrate start (DGKC)	163	549.859	8.2	4.41
Ortho Vitros MicroSlide Systems	148	465.037	6.0	2.86
Creatine phosphate substrate start	114	550.093	6.3	4.04
CK-NAC serum start (DGKC)	93	557.730	7.6	5.52
Monothioglycerol	52	609.696	3.4	3.58
Agappe - IFCC/KINETIC	34	587.880	4.1	5.22
Other Dry Chemistry	26	768.577	3.7	6.99
Beckman CK-NAC (Extinction Coeff)	15	587.859	6.3	11.86
Dithioerythritol (DTE), IFCC correlated	10	545.740	3.5	7.54









RIQAS

UKAS PROFICIENCY TESTING 0010

Creatinine, mg/dl

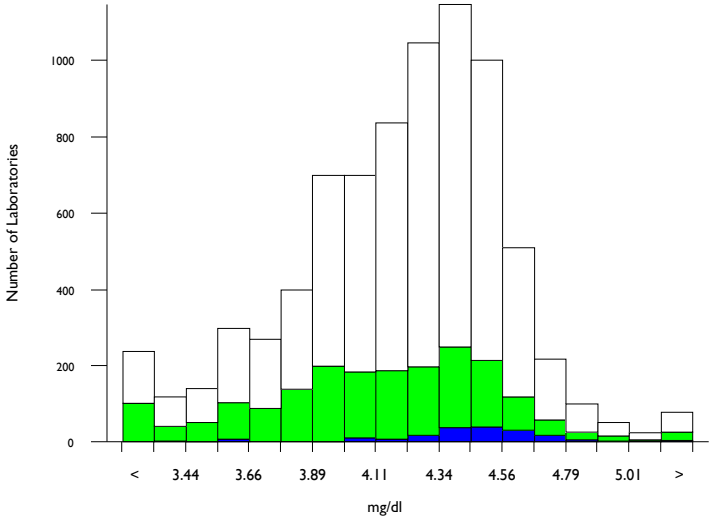
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	7325	4.228	7.1	0.00	0.32	542
Alkaline picrate no deproteinisation	1857	4.162	8.3	0.01	0.32	142
Abbott Architect c systems	162	4.480	4.1	0.02	0.34	23

▲ Your Result	485.000	SDI	1400.24
		RMSDI	Too Few
Mean for Comparison	4.480	TS	10
		RMTS	Too Few
		%DEV	999.0
		RM%DEV	Too Few

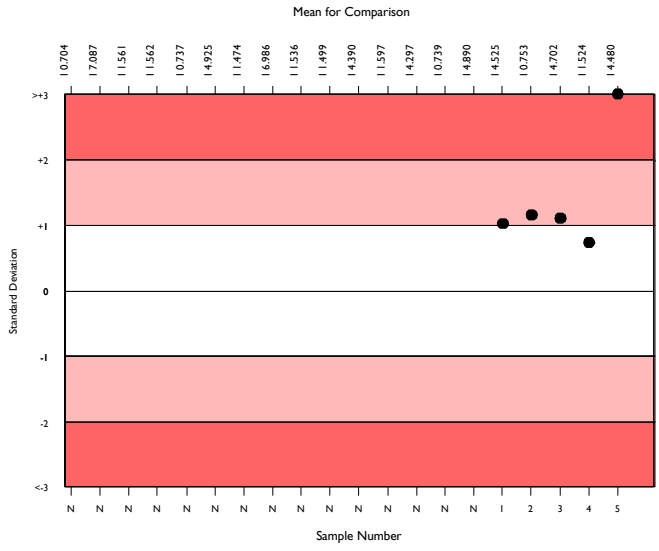
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	12.60%

SDI in bottom 5% of peer group

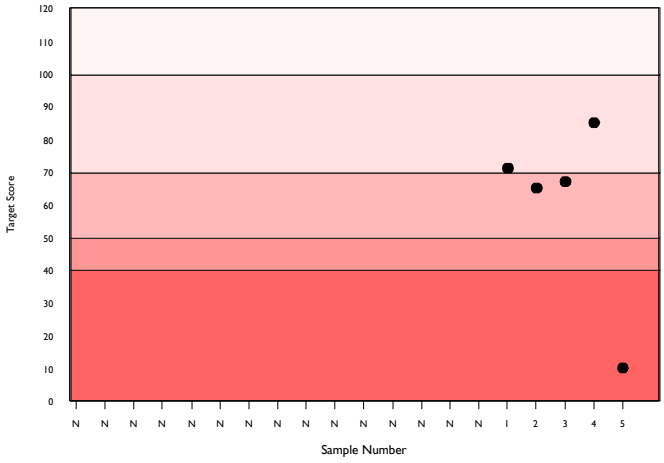
TS & %DEV outside limits

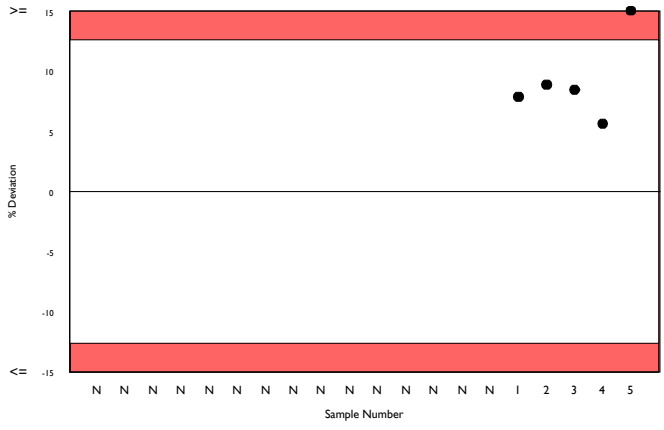


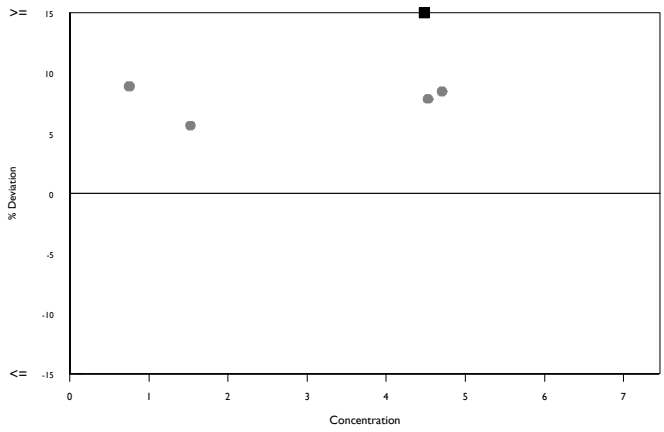
Method	N	Mean	CV%	U_m
Alkaline picrate no deproteinisation	1857	4.162	8.3	0.01
Jaffe rate blanked	1715	4.035	7.1	0.01
Jaffe rate blanked comp. (-26umol/l)	859	4.308	3.8	0.01
Enzymatic UV method (340nm)	388	4.424	4.0	0.01
Jaffe rate comp. (-18umol/l)	367	4.234	4.6	0.01
Roche Creatinine Plus	354	4.449	3.1	0.01
Other enzymatic methods	331	4.446	3.5	0.01
Creatinine PAP method	328	4.374	6.2	0.02
IDMS traceable	330	4.343	4.5	0.01
Vitros, IDMS traceable	172	4.528	3.5	0.02
Alkaline picrate with deproteinisation	173	4.149	7.4	0.03
Other Dry Chemistry	89	4.130	7.7	0.04
Agappe - JAFFE'S KINETIC	67	3.850	6.7	0.04
Jaffe rate blanked comp. (-33umol/l)	52	3.883	8.7	0.06
Abbott Architect Creatinine 2	49	4.426	2.6	0.02
Vitros DT60/DT60 II/DTSC II	37	4.579	3.7	0.04
Abbott Alinity Creatinine 2	36	4.465	1.7	0.02
Agappe - ENZYMATIC	27	4.245	8.4	0.09



TDPA = 12.6%







RIQAS

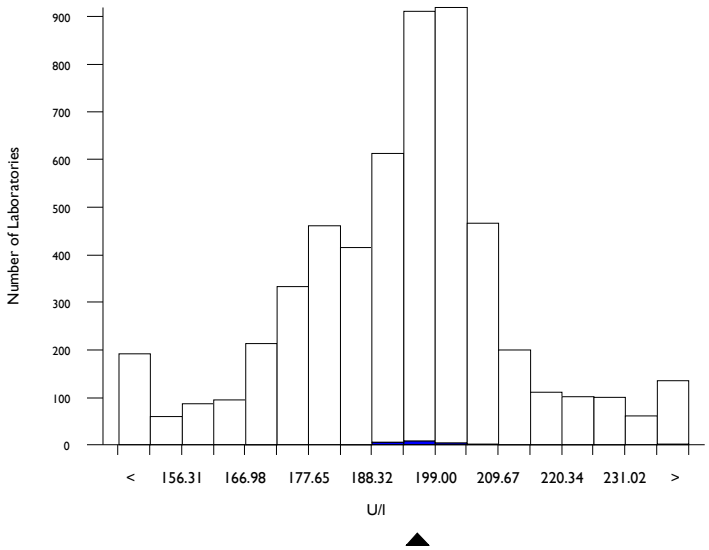
UKAS PROFICIENCY TESTING 0010

GGT, U/l @ 37°C

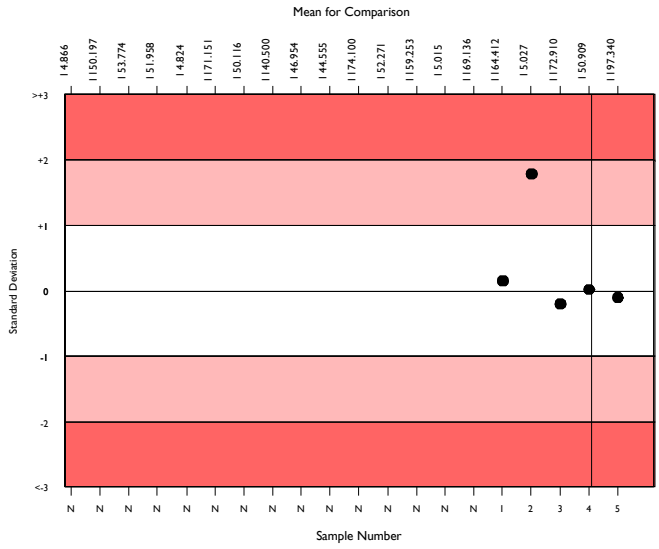
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	5004	193.666	7.3	0.25	21.08	466
Abbott Architect GGT 2	24	197.340	2.9	1.44	21.48	6
Abbott Architect c systems	24	197.340	2.9	1.44	21.48	6

Your Result	195.000	SDI	-0.11
		RMSDI	Too Few
Mean for Comparison	197.340	TS	120
		RMTS	Too Few
		%DEV	-1.2
		RM%DEV	Too Few

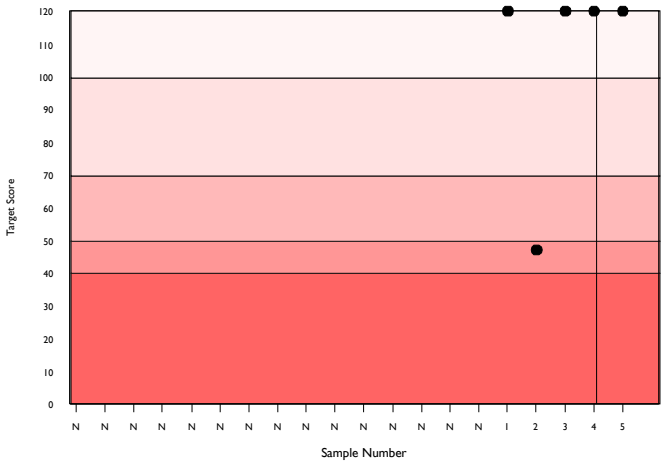
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	17.90%

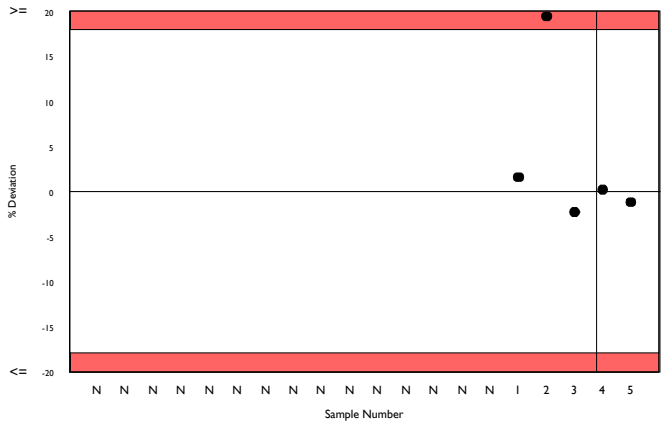


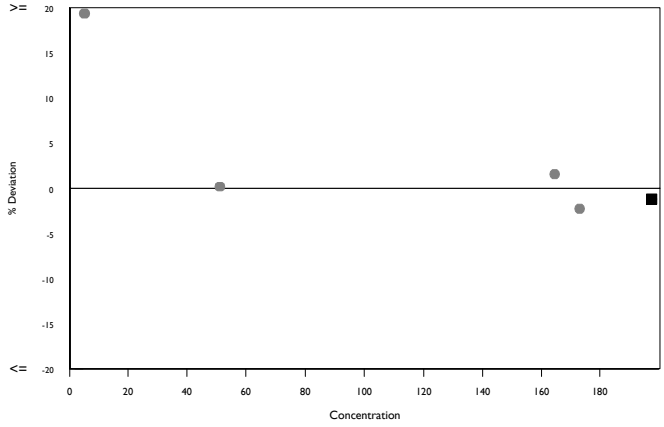
Method	N	Mean	CV%	U_m
Gamma glut'3-carb'4-nitro(IFCC)	3322	194.118	5.9	0.25
Gamma glut.-3-carb.-4-nitro.	845	185.529	7.9	0.63
Siemens Dimension	178	227.092	6.4	1.36
Ortho Vitros MicroSlide Systems	164	226.212	2.9	0.65
Gamma glutamyl-4-nitroanilide	119	187.605	10.9	2.34
DCL, gamma glut.-3-carb.-4-nitro.	108	190.320	7.3	1.67
Abbott Alinity GGT 2	96	195.702	2.5	0.62
Beckman Szasz (Extinction Coeff.)	71	192.614	5.9	1.69
Agappe - SZASZ KINETIC	54	203.501	4.3	1.47
Other Dry Chemistry	46	163.050	6.0	1.81
Abbott Architect GGT 2	24	197.340	2.9	1.44
Randox Colorimetric	5	194.780	6.8	7.45
Vitros, DT60/DT60 II/DTSC II	2	220.475	0.3	0.59



TDPA = 17.9%







RIQAS

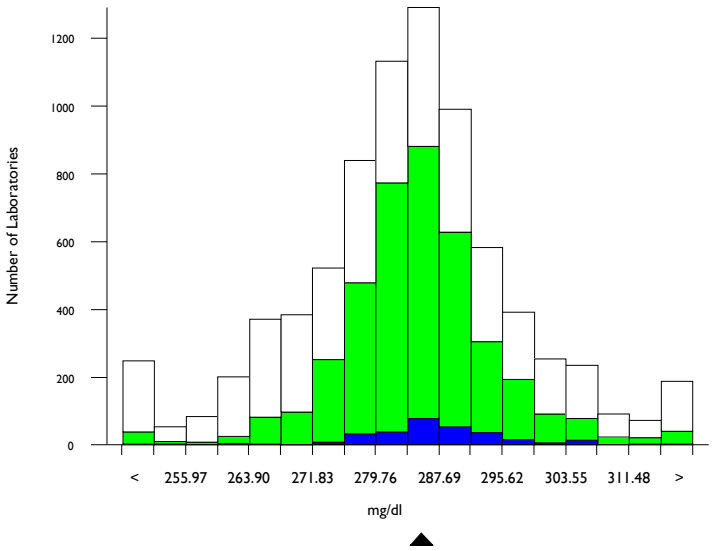
UKAS PROFICIENCY TESTING 0010

Glucose, mg/dl

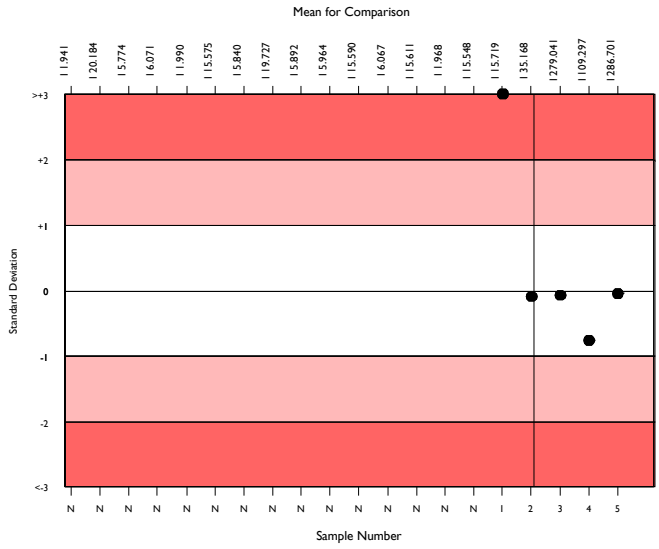
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	7323	283.731	3.7	0.15	14.66	610
Hexokinase	3693	284.743	2.4	0.14	14.71	333
Abbott Architect c systems	269	286.701	2.2	0.48	14.81	29

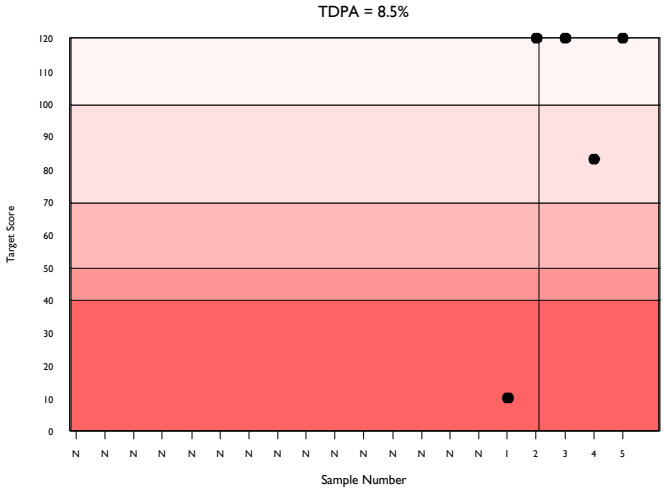
▲ Your Result	286.000	SDI	-0.05
		RMSDI	Too Few
Mean for Comparison	286.701	TS	120
		RMTS	Too Few
		%DEV	-0.2
		RM%DEV	Too Few

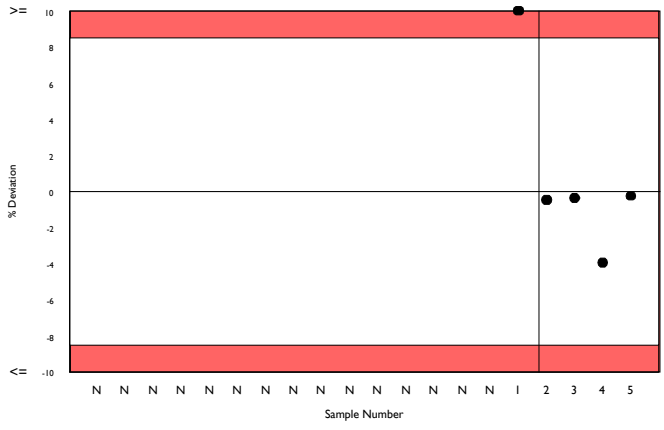
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	8.50%

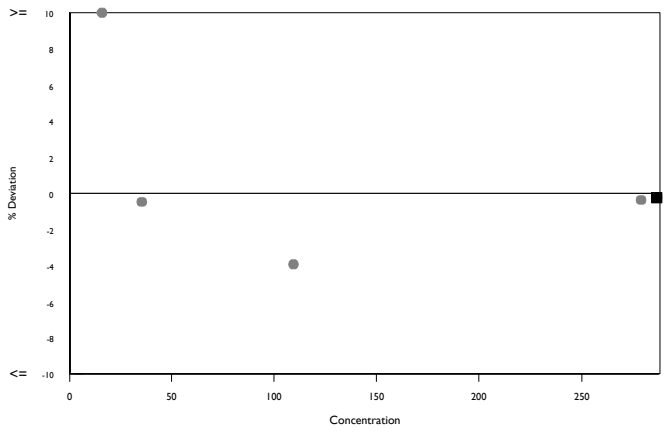


Method	N	Mean	CV%	U_m
Hexokinase	3693	284.743	2.4	0.14
Glucose oxidase	3093	283.478	5.1	0.32
Ortho Vitros MicroSlide Systems	243	269.645	2.4	0.53
Agappe - GOD-PAP	86	286.059	4.1	1.57
Glucose dehydrogenase	71	285.158	4.1	1.73
Other Dry Chemistry	49	274.430	2.8	1.38
GOD/02-Beckman method	40	286.895	3.5	2.01
Oxygen electrode	8	283.589	1.3	1.58
Pyranose Oxidase / Peroxidase	3	289.160	4.2	8.75
Vitros, DT60/DT60 II	2	275.500	0.3	0.62









RIQAS

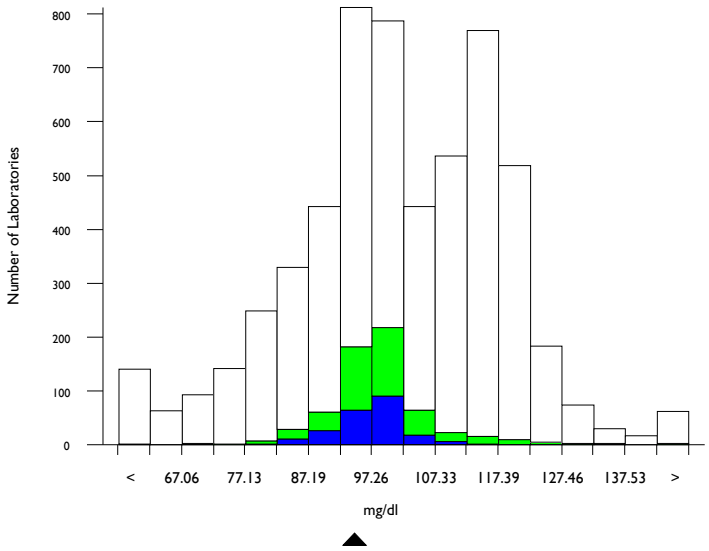
UKAS PROFICIENCY TESTING 0010

HDL-Cholesterol, mg/dl

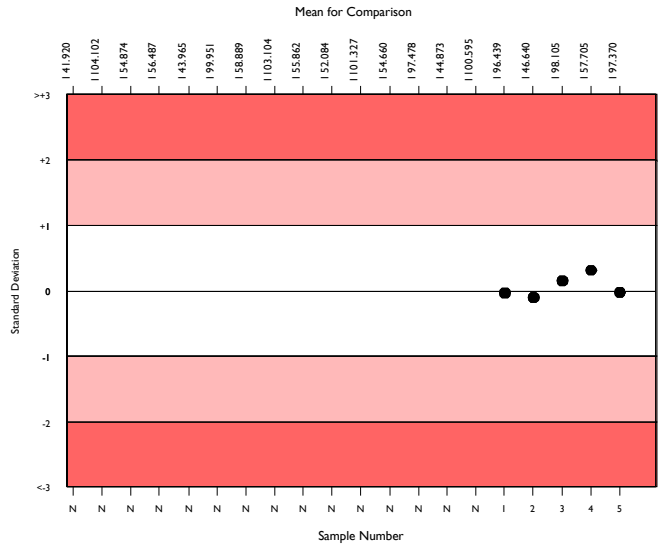
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	5326	102.299	13.1	0.23	13.12	381
HDL Ultra/Accel Selective Detergent	575	97.572	5.4	0.27	12.52	58
Abbott Architect c systems	202	97.370	4.2	0.36	12.49	20

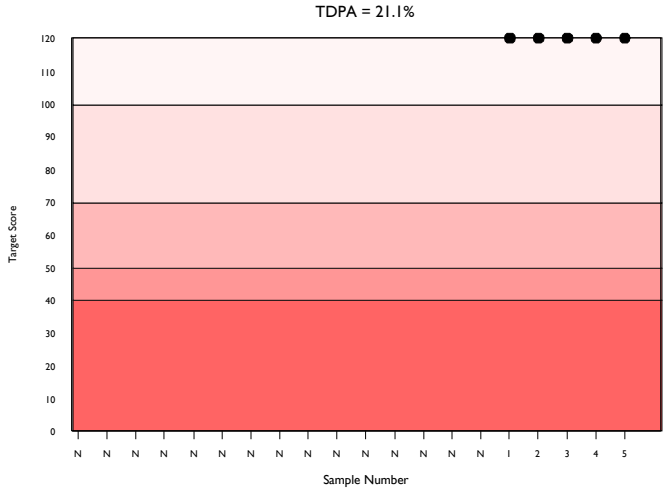
▲ Your Result	97.000	SDI	-0.03
		RMSDI	Too Few
Mean for Comparison	97.370	TS	120
		RMTS	Too Few
		%DEV	-0.4
		RM%DEV	Too Few

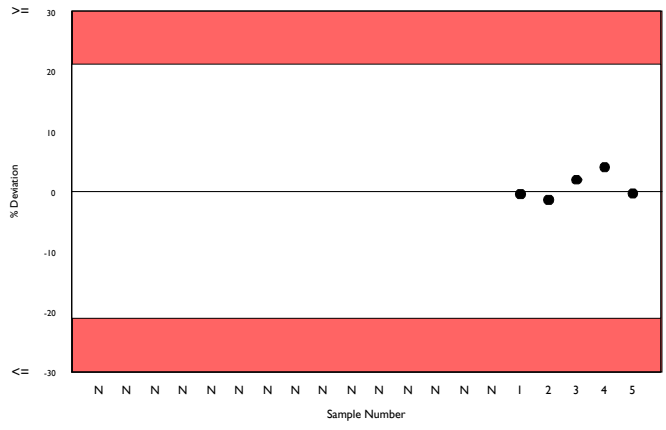
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	21.10%

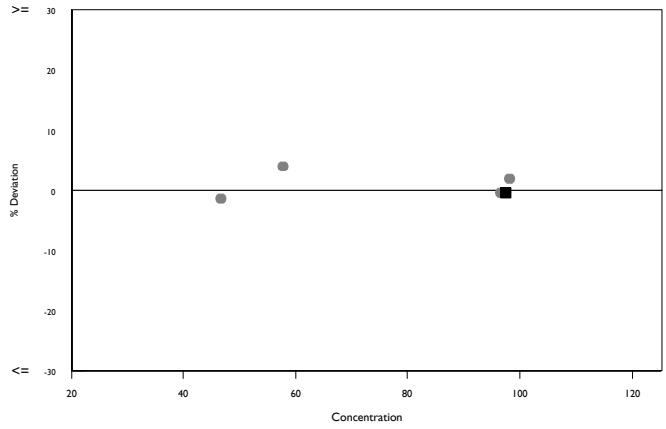


Method	N	Mean	CV%	U_m
Direct HDL, Roche 4th gen.	1372	115.998	4.5	0.17
Direct HDL, Clearance method	1080	91.563	13.2	0.46
Direct HDL, Immunoseparation	915	95.866	9.0	0.35
HDL Ultra/Accel Selective Detergent	575	97.572	5.4	0.27
Direct HDL, PEGME	536	97.743	20.3	1.07
Direct HDL, PPD	387	101.766	11.1	0.72
Vitros dHDL, PTA/MgCl2 direct precip.	177	97.065	6.4	0.58
Agappe - SELECTIVE INHIBITION	68	113.289	5.1	0.88
Other Dry Chemistry	51	103.668	9.0	1.63
Vitros, Magnetic HDL	24	95.496	6.6	1.60
Vitros 5.1 FS Microtip assay	13	97.280	7.4	2.50









RIQAS

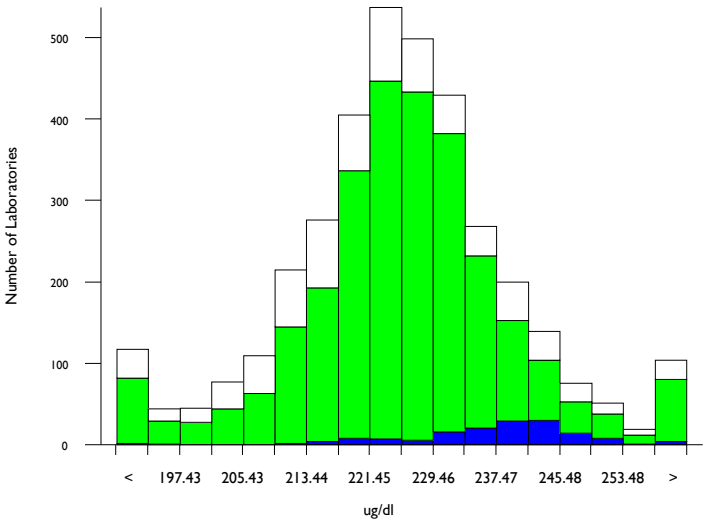
UKAS PROFICIENCY TESTING 0010

Iron, ug/dl

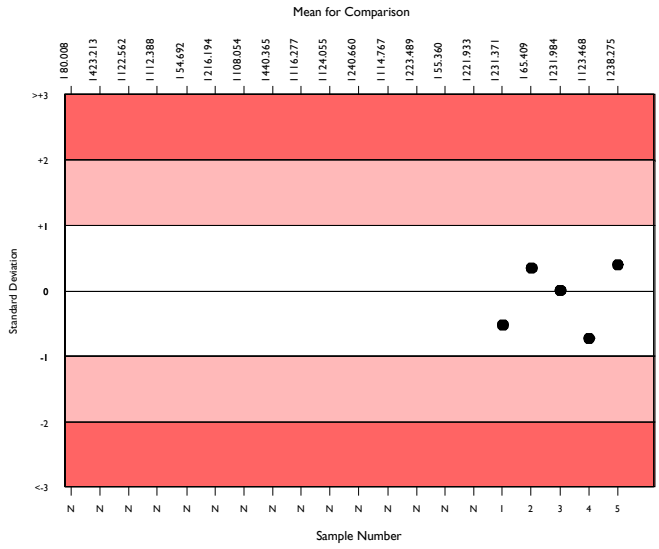
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	3314	225.460	4.7	0.23	13.71	297
Colorimetric without ppt.	2616	226.152	4.3	0.24	13.75	237
Abbott Architect c systems	138	238.275	3.4	0.86	14.49	15

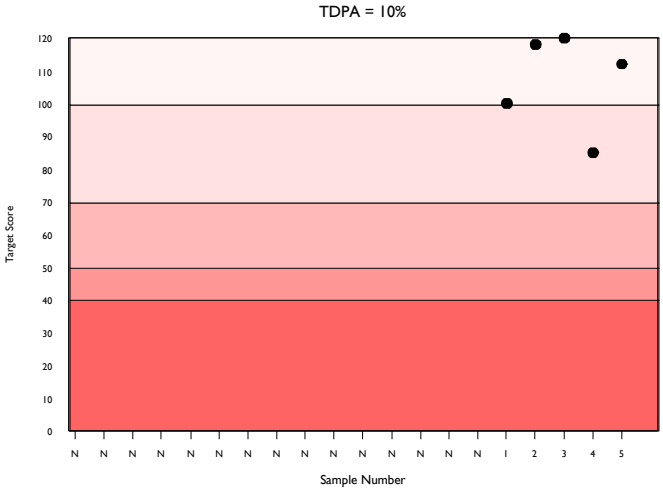
▲ Your Result	244.000	SDI	0.40
		RMSDI	Too Few
Mean for Comparison	238.275	TS	112
		RMTS	Too Few
		%DEV	2.4
		RM%DEV	Too Few

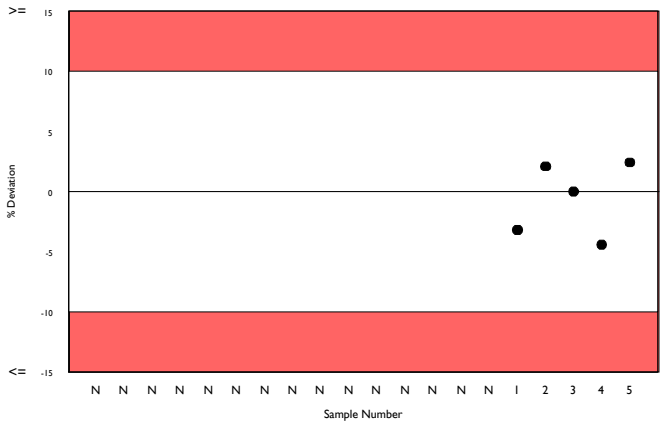
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	10.00%

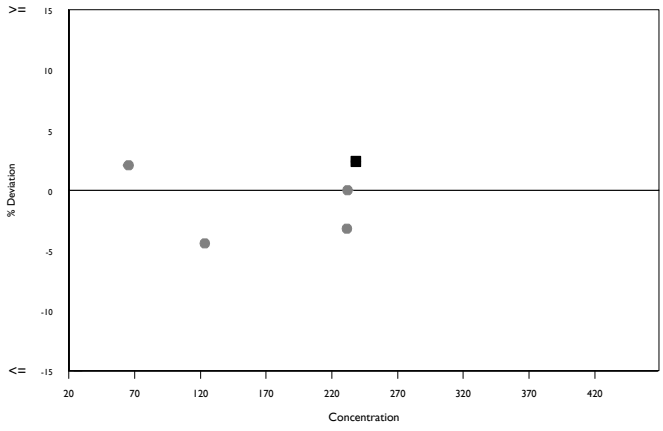


Method	N	Mean	CV%	U_m
Colorimetric without ppt.	2616	226.152	4.3	0.24
Colorimetric with ppt.	398	223.734	5.0	0.70
Ortho Vitros MicroSlide Systems	155	209.382	4.5	0.94
Other method with blank	31	224.992	3.4	1.71
Abbott Alinity Iron 2	28	239.560	1.9	1.10
Agappe - CHROMAZUROL	23	245.522	2.1	1.32
Abbott Architect Iron 2	17	241.486	3.9	2.85
Other method without blank	12	218.447	6.9	5.42
Other Dry Chemistry	11	220.150	4.3	3.53
Optical Emission Spectroscopy	10	210.413	7.2	5.96









RIQAS

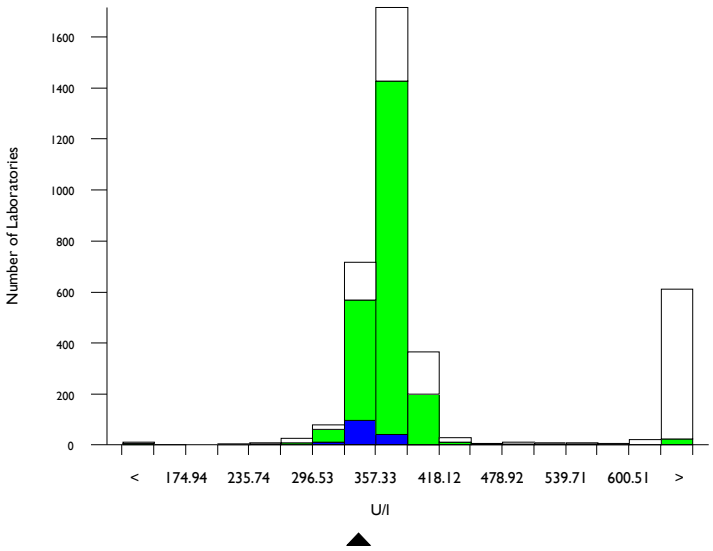
UKAS PROFICIENCY TESTING 0010

LD (LDH), U/l @ 37°C

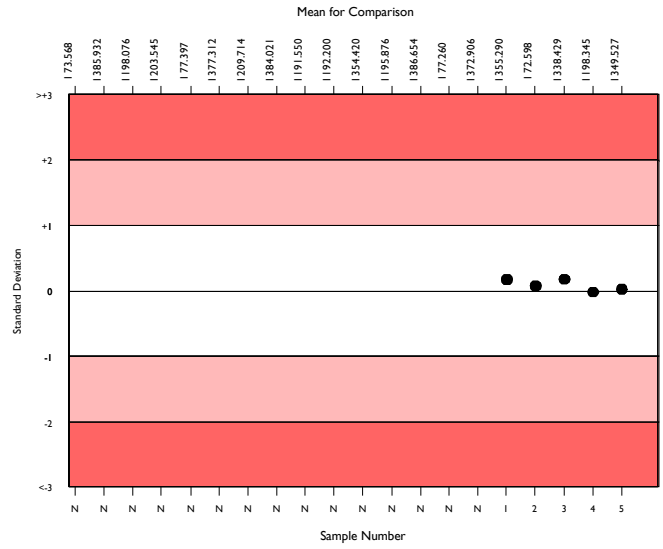
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	3165	387.731	20.9	1.80	30.17	451
L to P, IFCC	2127	366.204	3.8	0.38	28.50	190
Abbott Architect c systems	136	349.527	3.6	1.35	27.20	11

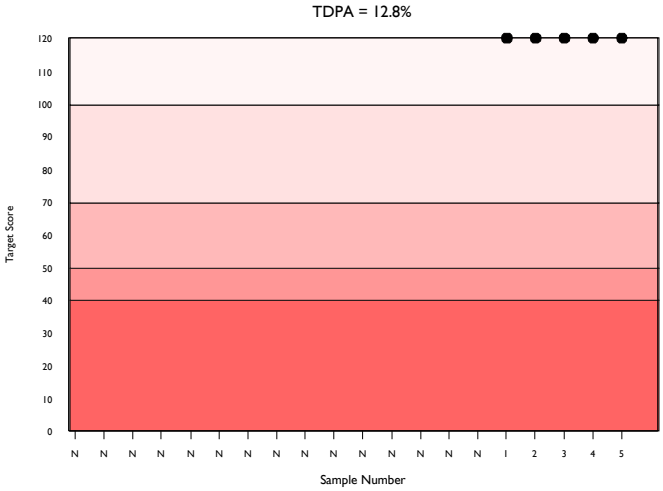
▲ Your Result	350.000	SDI	0.02
		RMSDI	Too Few
Mean for Comparison	349.527	TS	120
		RMTS	Too Few
		%DEV	0.1
		RM%DEV	Too Few

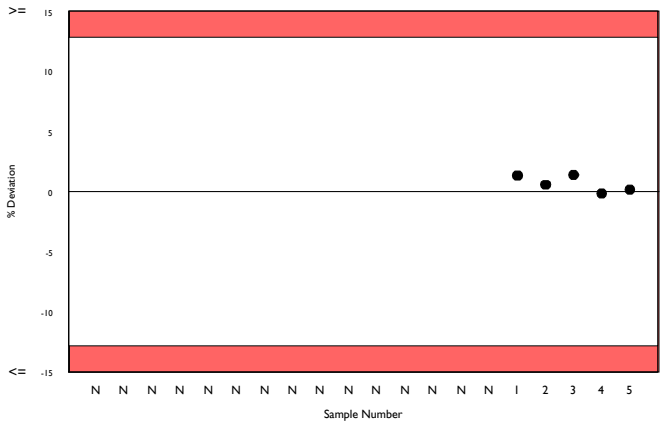
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	12.80%

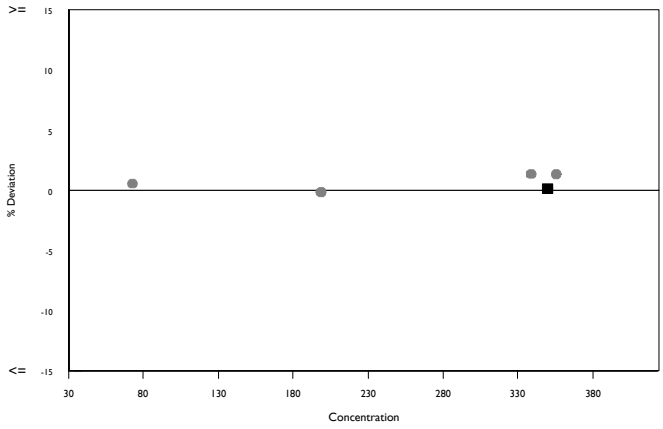


Method	N	Mean	CV%	U_m
L to P, IFCC	2127	366.204	3.8	0.38
P to L, German methods	306	729.037	7.6	3.95
Lactate to Pyruvate methods	214	366.890	4.7	1.47
Ortho Vitros IFCC Traceable	116	396.001	3.2	1.45
P to L, Scandinavian & Dutch	106	750.136	7.3	6.66
P to L, SFBC / SEQC	103	743.840	8.3	7.62
L to P Siemens/Dade, Non-IFCC	61	356.096	3.1	1.79
L to P Beckman (Extinction Coeff)	61	366.028	4.4	2.58
Ortho Vitros MicroSlide Systems	46	395.456	3.6	2.60
Agappe - SCE	39	783.292	2.8	4.42
Other Dry Chemistry	26	361.438	4.5	3.96
Abbott Alinity LD 2	24	358.070	2.6	2.37
Abbott Architect LD 2	12	355.476	2.1	2.69
Pyruvate 1.4 mM - Beckman LD-P	4	317.150	16.8	33.28









RIQAS

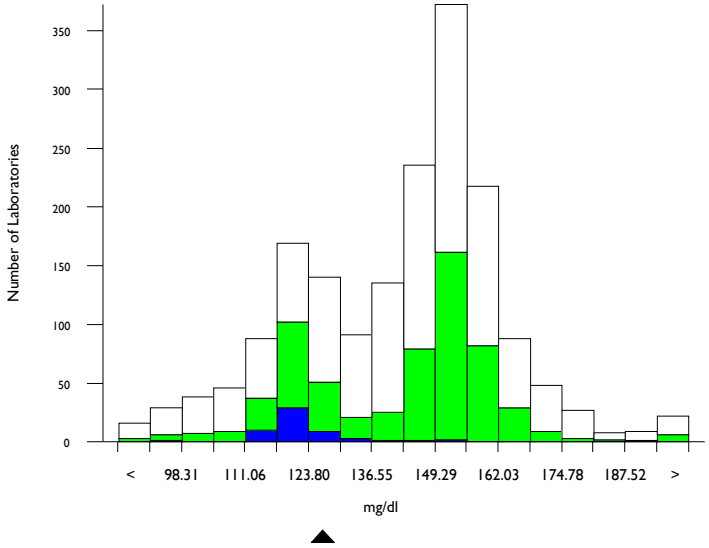
UKAS PROFICIENCY TESTING 0010

LDL-Cholesterol (Pilot), mg/dl

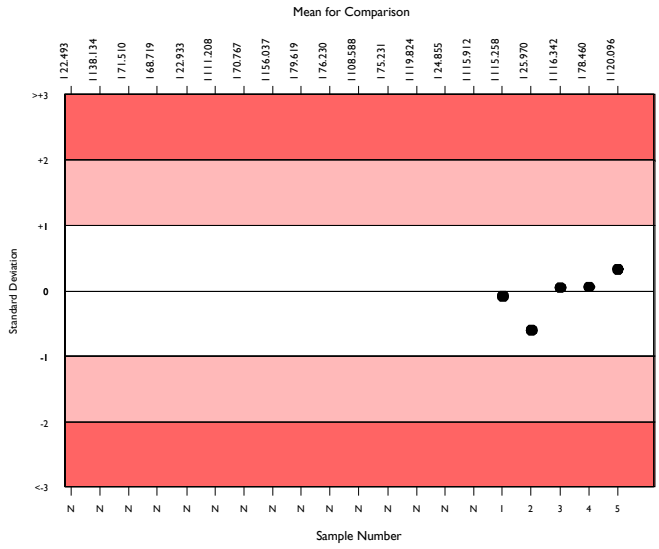
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	1667	142.922	11.9	0.52	17.90	112
Selective detergent methods	605	141.640	11.6	0.83	17.74	28
Abbott Architect c systems	48	120.096	3.2	0.69	15.04	8

Your Result	125.000	SDI	0.33
		RMSDI	Too Few
Mean for Comparison	120.096	TS	120
		RMTS	Too Few
		%DEV	4.1
		RM%DEV	Too Few

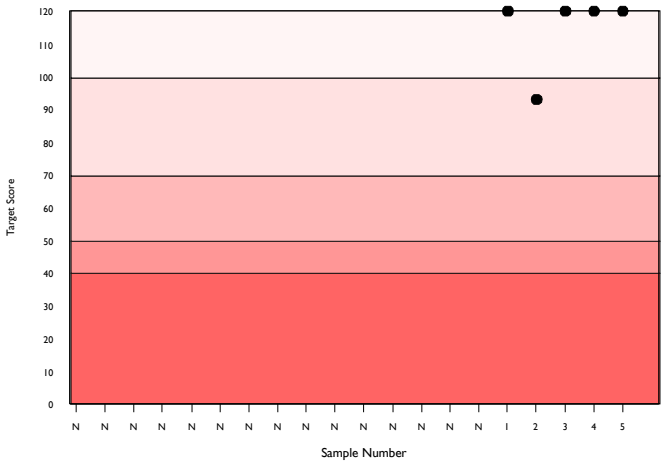
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	20.60%

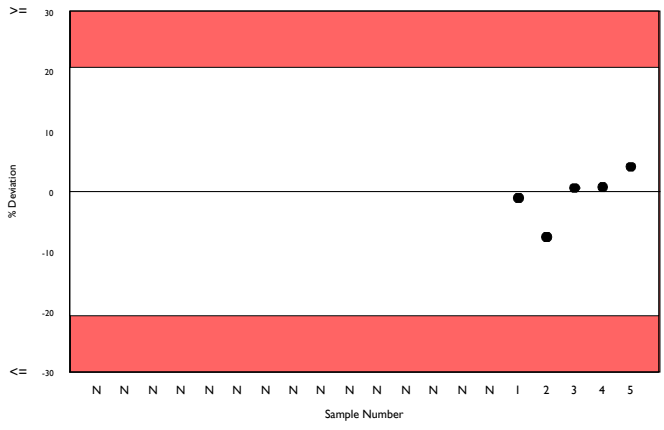


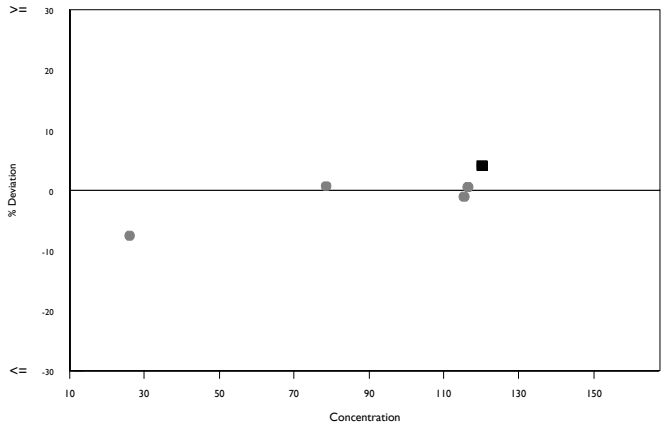
Method	N	Mean	CV%	U_m
Selective detergent methods	605	141.640	11.6	0.83
Other direct methods	594	142.785	11.3	0.83
Sel.detergent Beckman OSR6x83	194	153.635	6.1	0.84
Calculated	138	140.709	11.1	1.67
Sel.detergent Beckman OSR6x96	36	121.112	19.5	4.93
Agappe - SELECTIVE SOLUBILISATION	23	159.787	7.4	3.08
Ortho Vitros MicroSlide Systems	23	102.187	4.4	1.17
Other Precipitation methods	16	128.063	15.5	6.19
Polyvinyl Sulphate Precipitation	12	149.172	9.3	5.02
Other Dry Chemistry	11	133.197	27.4	13.75
Heparin precipitation	10	134.737	20.5	10.92
Siemens Atellica LDLC	4	121.723	10.0	7.62
Zwitterionic Detergent	3	141.795	8.0	8.20



TDPA = 20.6%







RIQAS

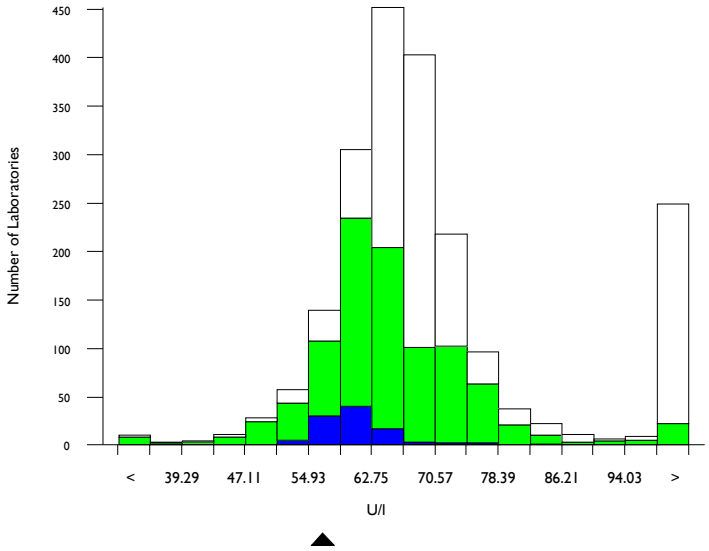
UKAS PROFICIENCY TESTING 0010

Lipase, U/l @ 37°C

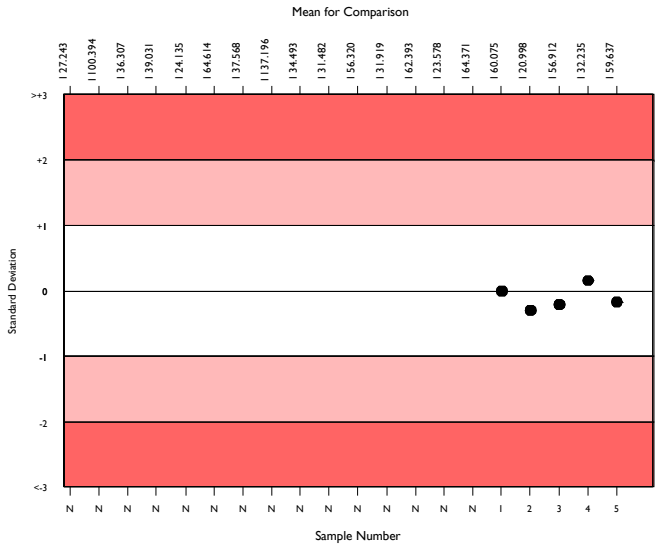
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	1840	66.661	15.6	0.30	10.42	223
Other Colorimetric	892	64.100	10.7	0.29	10.02	72
Abbott Architect c systems	91	59.637	5.0	0.39	9.32	9

Your Result	58.000	SDI	-0.18
		RMSDI	Too Few
Mean for Comparison	59.637	TS	120
		RMTS	Too Few
		%DEV	-2.7
		RM%DEV	Too Few

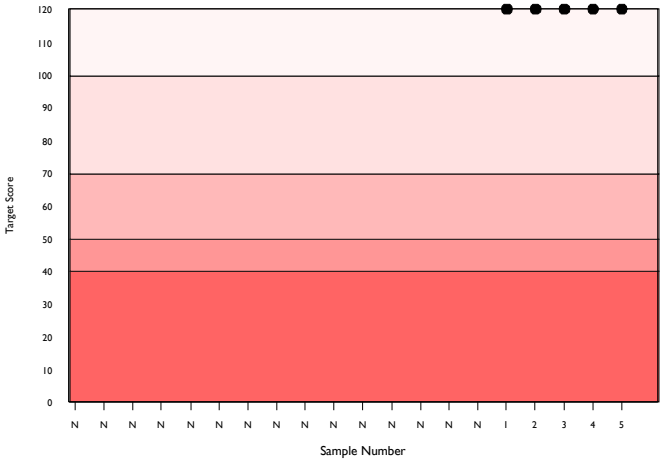
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	25.70%

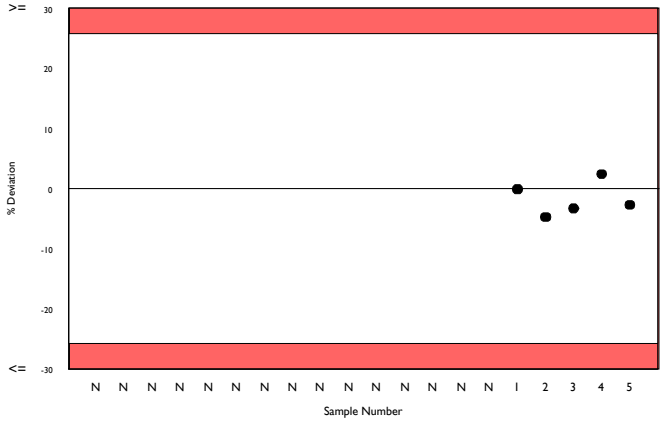


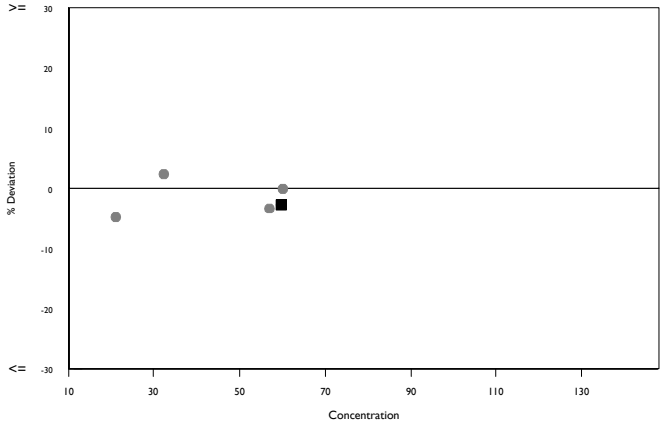
Method	N	Mean	CV%	U_m
Other Colorimetric	892	64.100	10.7	0.29
Colorimetric Roche ACN(8)731/ID 0-100	373	67.538	4.9	0.22
Colorimetric Roche ACN(8)789/ID 0-052	245	67.196	4.4	0.24
Ortho Vitros MicroSlide Systems	122	667.598	8.7	6.58
Colorimetric Dimension (LIPL Kit)	51	238.384	11.7	4.90
Roche Turbidimetric with colipase	52	67.261	6.5	0.76
Colorimetric Randox	35	75.801	13.9	2.23
Other Turbidimetric with colipase	26	63.657	8.5	1.32
Agappe - METHYL RESORUFIN	22	62.652	20.6	3.43
Colorimetric Dimension (LIP Kit)	22	67.005	5.0	0.90
Other Dry Chemistry	10	84.091	22.9	7.61
Turbidimetric without colipase	8	64.188	14.6	4.14
Randox Turbidimetric with colipase	7	67.779	16.4	5.27
Colorimetric Sigma	3	71.033	14.2	7.29
Titrimetric	2	54.300	12.2	5.87



TDPA = 25.7%







RIQAS

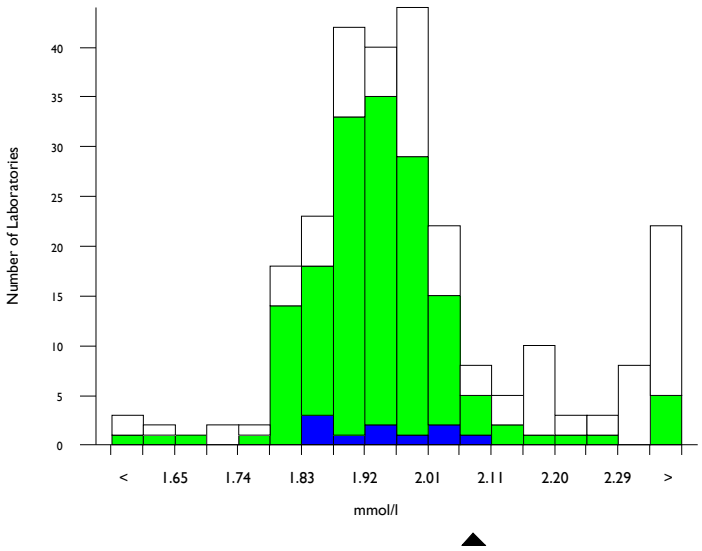
UKAS PROFICIENCY TESTING 0010

Lithium, mmol/l

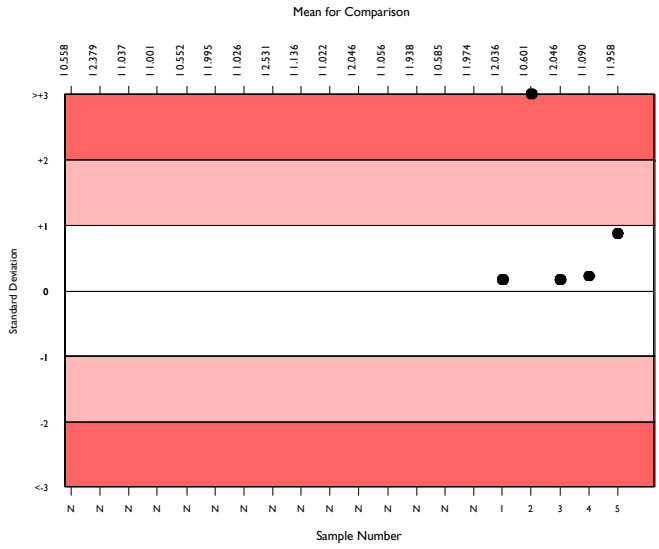
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	231	1.974	6.2	0.01	0.14	27
Spectrophotometric	148	1.938	3.6	0.01	0.14	15
Abbott Architect c systems	10	1.958	4.2	0.03	0.14	0

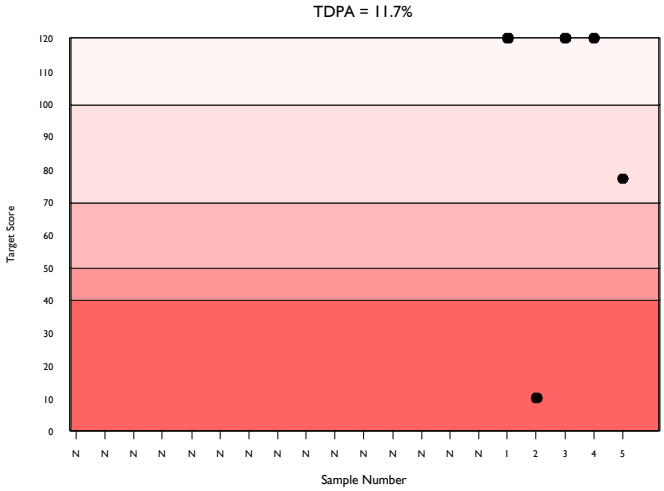
Your Result	2.080	SDI	0.87
		RMSDI	Too Few
Mean for Comparison	1.958	TS	77
		RMTS	Too Few
		%DEV	6.2
		RM%DEV	Too Few

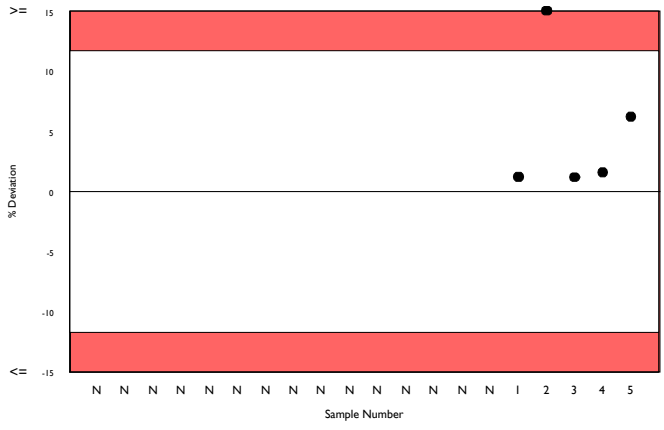
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	11.70%

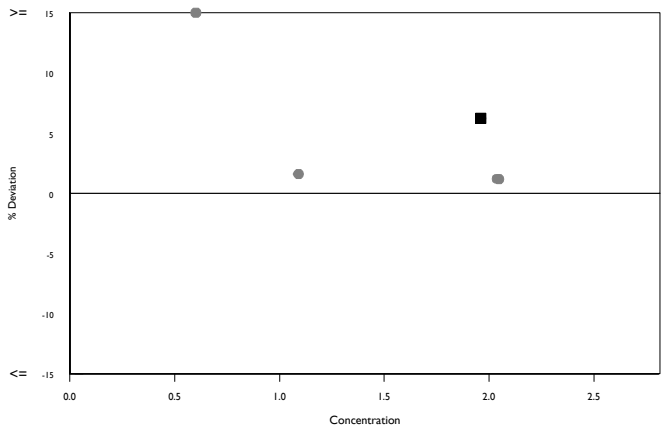


Method	N	Mean	CV%	U_m
Spectrophotometric	148	1.938	3.6	0.01
Ion selective electrode	39	1.989	4.8	0.02
Ortho Vitros MicroSlide Systems	30	2.323	4.8	0.03
Flame photometry	9	1.877	2.9	0.02
Atomic absorption	5	2.058	9.3	0.11
Other Dry Chemistry	2	2.059	4.9	0.09







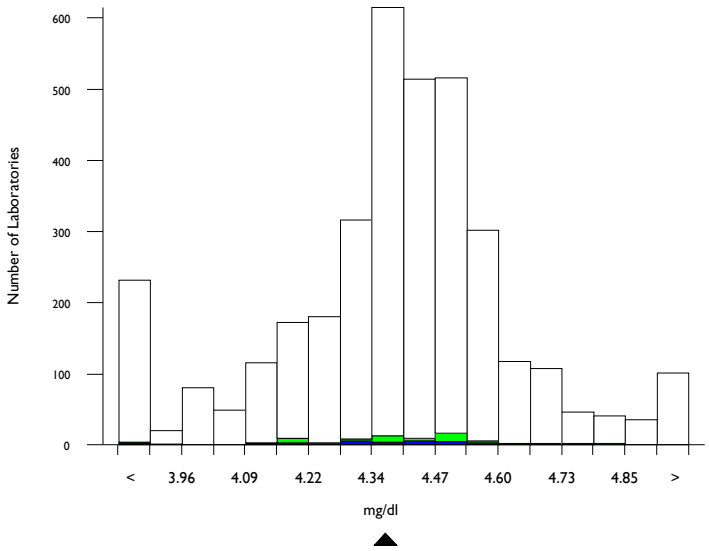


Magnesium, mg/dl

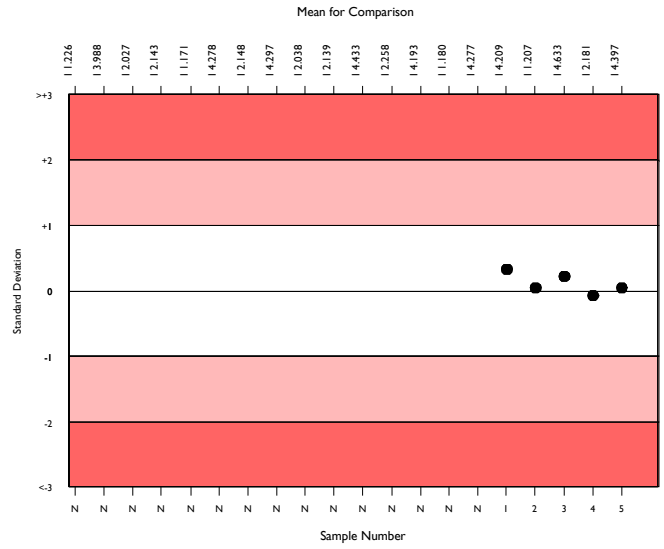
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	3200	4.414	3.9	0.00	0.30	361
Arsenazo	72	4.409	3.3	0.02	0.29	9
Abbott Architect c systems	31	4.397	3.2	0.03	0.29	5

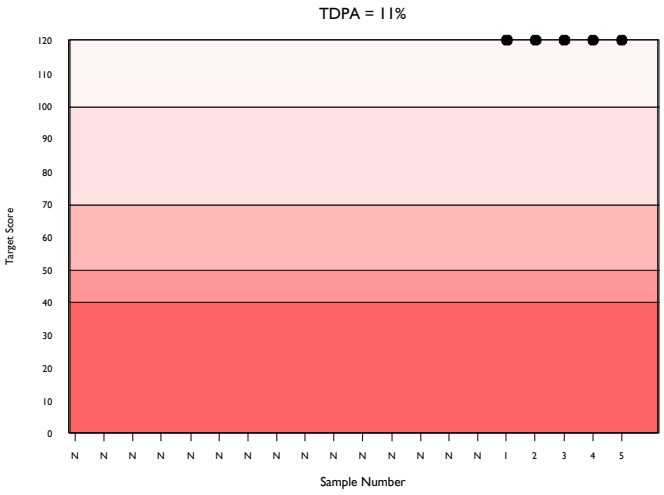
Your Result	4.410	SDI	0.04
		RMSDI	Too Few
Mean for Comparison	4.397	TS	120
		RMTS	Too Few
		%DEV	0.3
		RM%DEV	Too Few

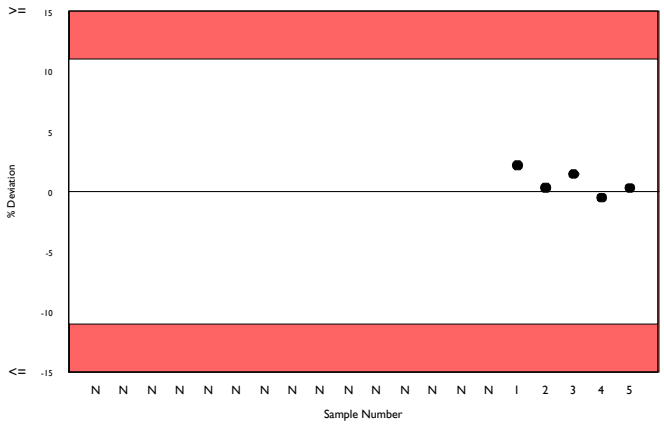
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	11.00%

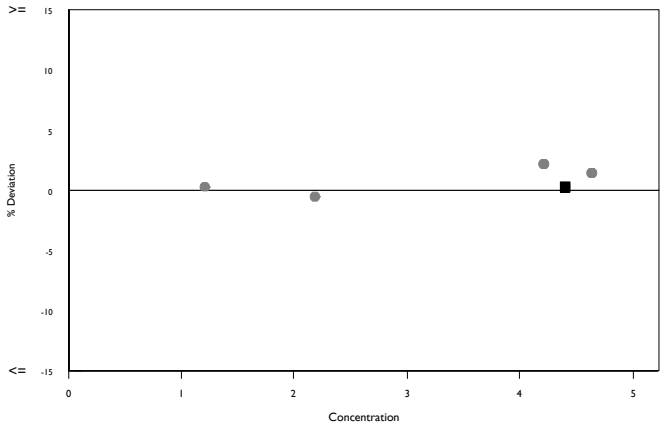


Method	N	Mean	CV%	U_m
Xylidyl Blue	1775	4.393	4.2	0.01
Enzymatic	365	4.423	2.8	0.01
Chlorphosphonazo III	302	4.437	2.5	0.01
Methylthymol blue	225	4.439	2.9	0.01
Ortho Vitros MicroSlide Systems	180	4.521	3.0	0.01
Calmagite	150	4.257	7.4	0.03
Arsenazo	72	4.409	3.3	0.02
Atomic absorption	63	4.404	2.1	0.01
Agappe - XYLIDYL BLUE	29	4.393	3.6	0.04
Other Dry Chemistry	26	4.996	3.8	0.05
Other magnesium dyes	13	4.355	10.2	0.15









RIQAS

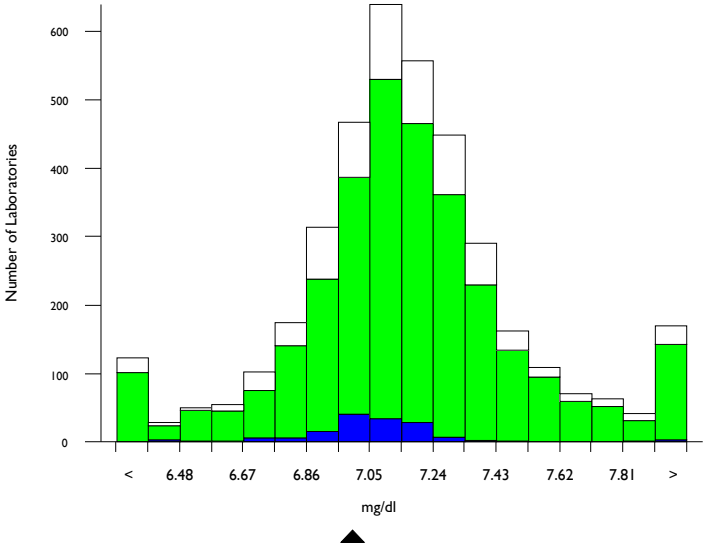
UKAS PROFICIENCY TESTING 0010

Phosphate, Inorganic, mg/dl

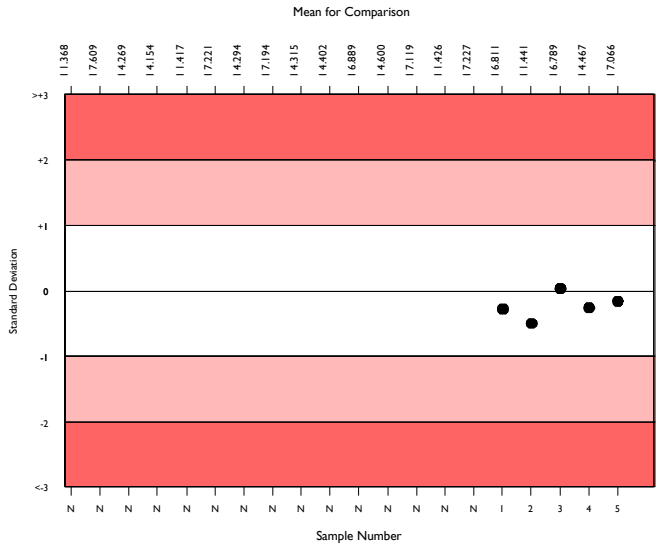
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	3517	7.151	3.6	0.01	0.41	344
Phosphomolybdate UV	2877	7.155	3.6	0.01	0.41	278
Abbott Architect c systems	130	7.066	1.7	0.01	0.40	18

▲ Your Result	7.000	SDI	-0.16
		RMSDI	Too Few
Mean for Comparison	7.066	TS	120
		RMTS	Too Few
		%DEV	-0.9
		RM%DEV	Too Few

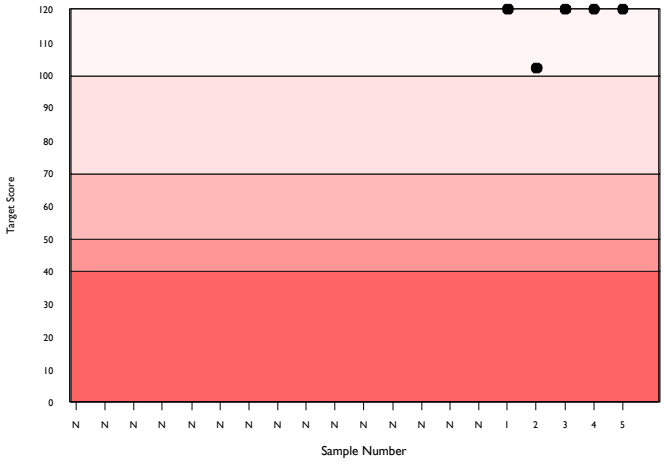
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	9.40%

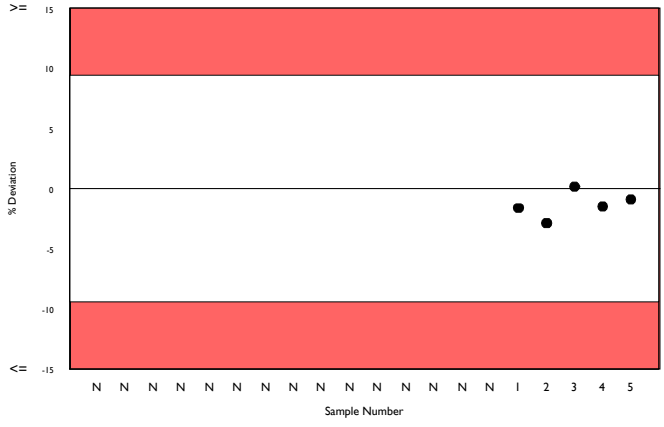


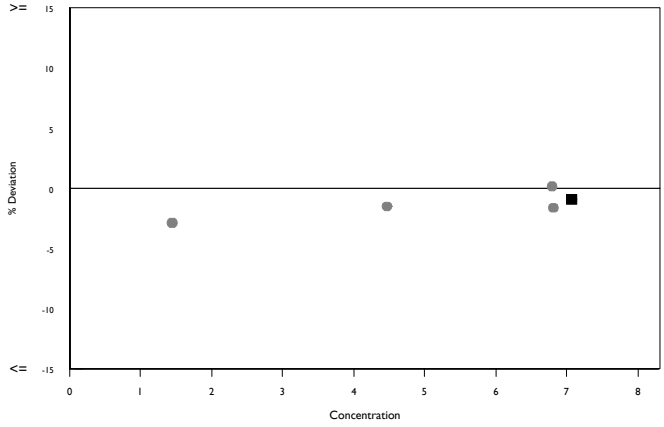
Method	N	Mean	CV%	U_m
Phosphomolybdate UV	2877	7.155	3.6	0.01
Phosphomolybdate enzymatic	315	7.101	3.0	0.01
Ortho Vitros MicroSlide Systems	193	7.145	3.1	0.02
Beckman PHOSm kit (365nm)	53	7.080	3.7	0.04
Agappe - PHOSPOHMOLYBDATE	39	7.346	2.1	0.03
Other Dry Chemistry	17	7.601	2.7	0.06
Other methods, no protein ppt	8	7.241	5.1	0.16
Other methods, with protein ppt	4	7.181	3.6	0.16



TDPA = 9.4%







RIQAS

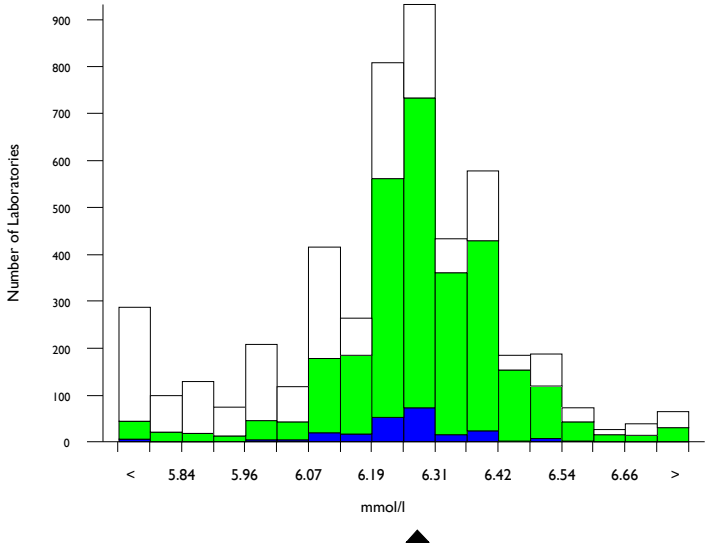
UKAS PROFICIENCY TESTING 0010

Potassium, mmol/l

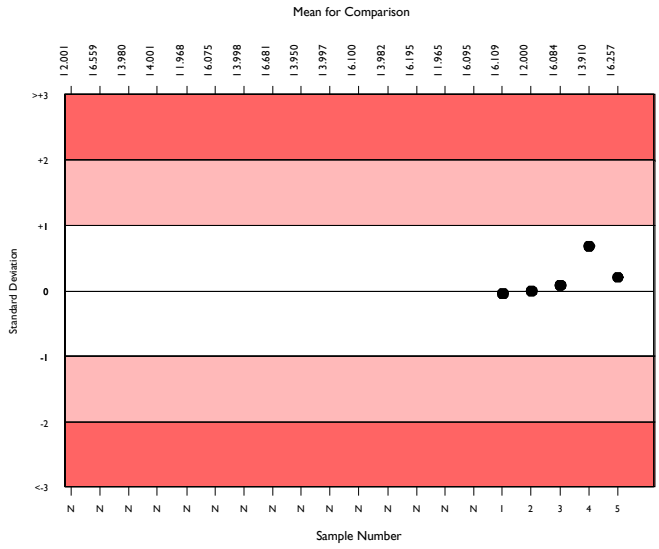
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	4444	6.253	2.5	0.00	0.21	472
ISE method - indirect	2753	6.295	1.7	0.00	0.21	253
Abbott Architect c systems	206	6.257	1.5	0.01	0.21	24

Your Result	6.300	SDI	0.20
		RMSDI	Too Few
Mean for Comparison	6.257	TS	120
		RMTS	Too Few
		%DEV	0.7
		RM%DEV	Too Few

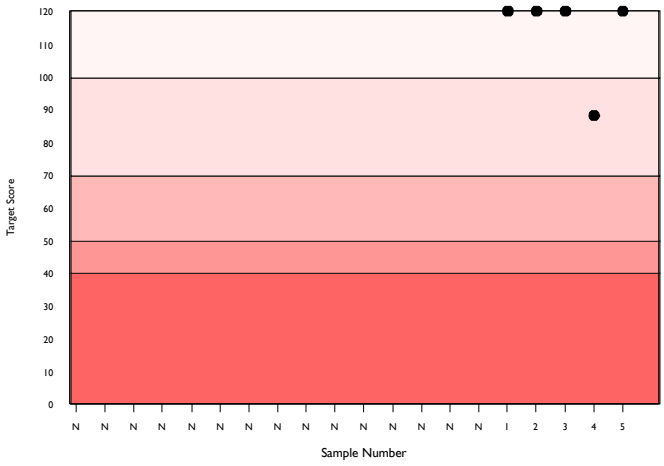
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	5.60%

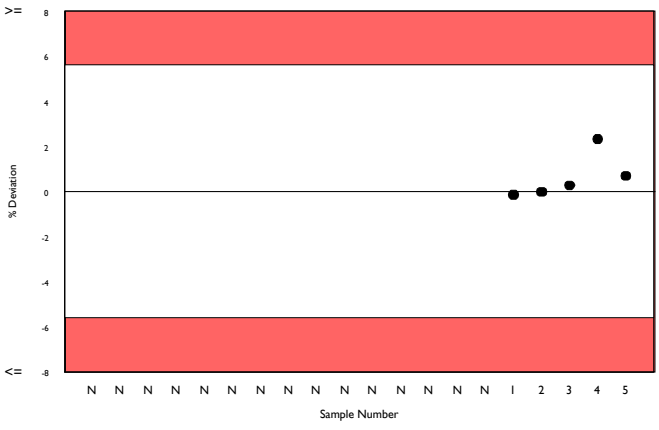


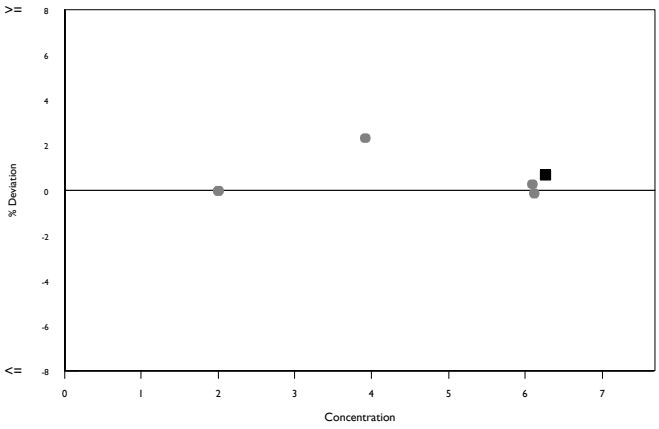
Method	N	Mean	CV%	U_m
ISE method - indirect	2753	6.295	1.7	0.00
ISE method - direct	1405	6.139	3.7	0.01
Ortho Vitros MicroSlide Systems	179	6.181	1.8	0.01
Colorimetric	55	5.682	5.4	0.05
Other Dry Chemistry	41	6.276	2.0	0.03
Agappe - ISE DIRECT	20	6.101	2.2	0.04
Flame photometry	14	5.952	7.1	0.14
Enzymatic	9	6.191	8.2	0.21
Turbidimetric	7	5.870	8.9	0.25
Vitros, DT60/DT60 II/DTE II	4	5.975	4.4	0.16
Optical Fluorescence	3	6.727	7.1	0.34



TDPA = 5.6%







RIQAS

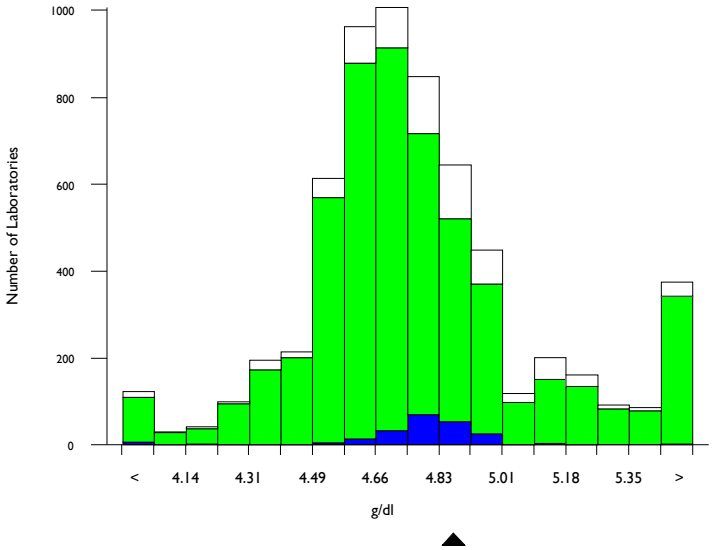
UKAS PROFICIENCY TESTING 0010

Protein, Total, g/dl

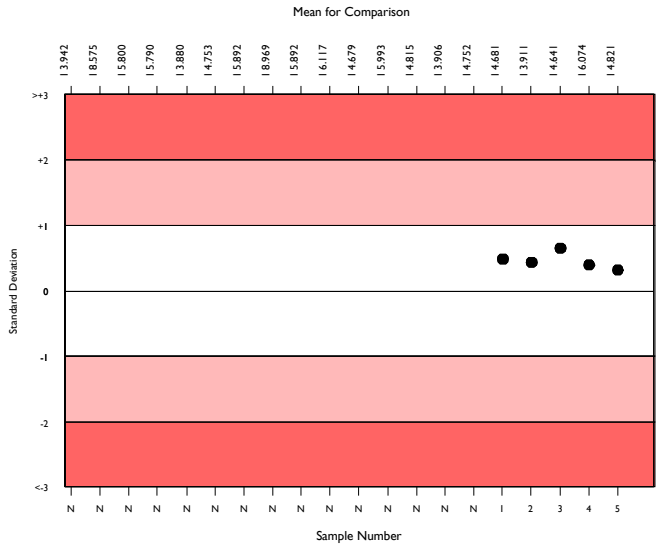
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	5717	4.751	4.9	0.00	0.25	535
Biuret reaction, end point	5019	4.742	4.9	0.00	0.25	481
Abbott Architect c systems	199	4.821	2.2	0.01	0.25	22

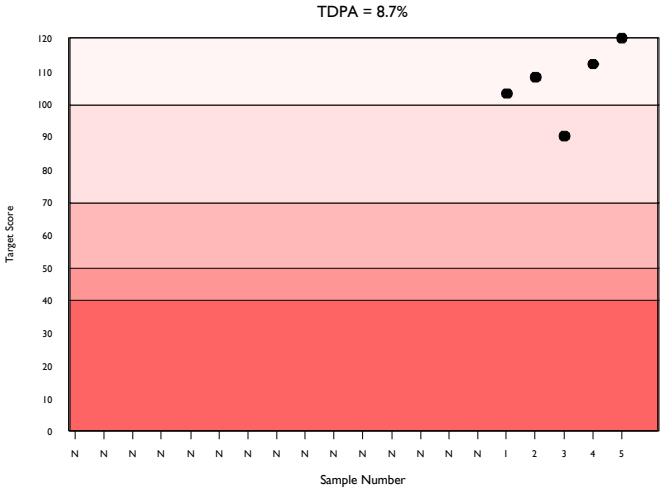
▲ Your Result	4.900	SDI	0.31
		RMSDI	Too Few
Mean for Comparison	4.821	TS	120
		RMTS	Too Few
		%DEV	1.6
		RM%DEV	Too Few

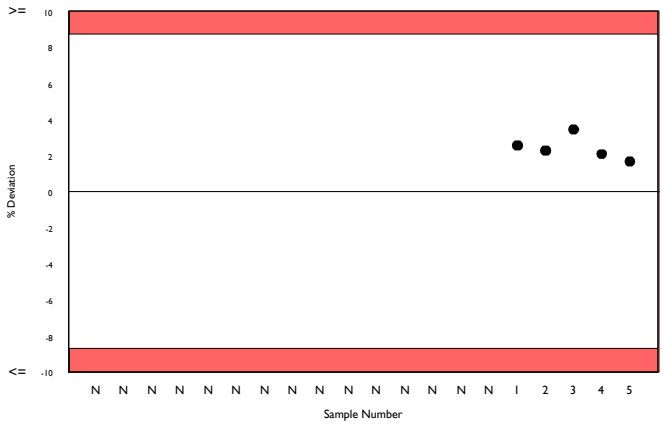
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	8.70%

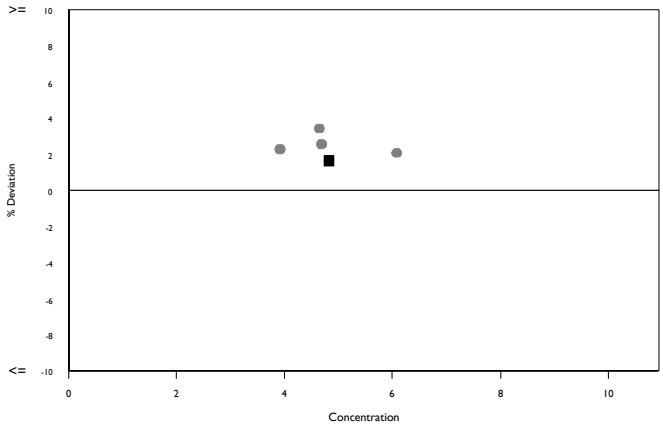


Method	N	Mean	CV%	U_m
Biuret reaction, end point	5019	4.742	4.9	0.00
Ortho Vitros MicroSlide Systems	217	4.865	3.3	0.01
Biuret reaction, kinetic	180	4.690	4.1	0.02
Abbott Alinity Total Protein 2	76	4.843	1.6	0.01
Agappe - BIURET	67	5.107	4.7	0.04
Biuret reaction, CX4/5/7	47	4.613	3.0	0.03
Other Dry Chemistry	50	4.876	3.2	0.03
Abbott Architect total Protein 2	39	4.904	2.8	0.03
Refractometry	3	4.707	1.9	0.07









RIQAS

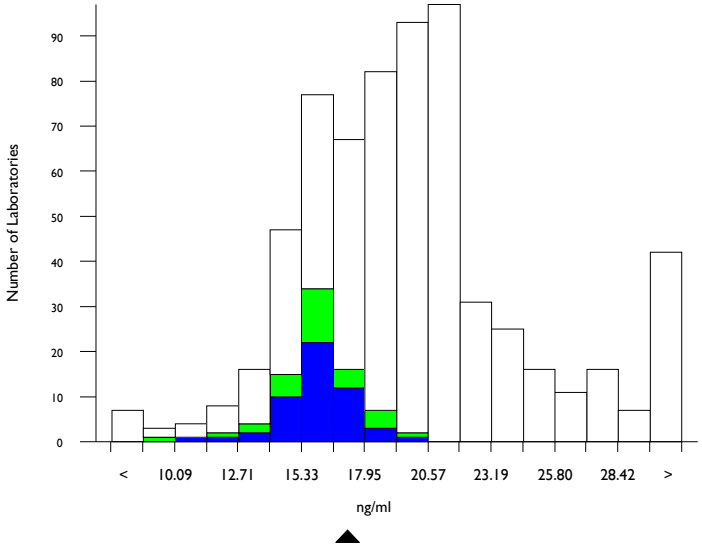
UKAS PROFICIENCY TESTING 0010

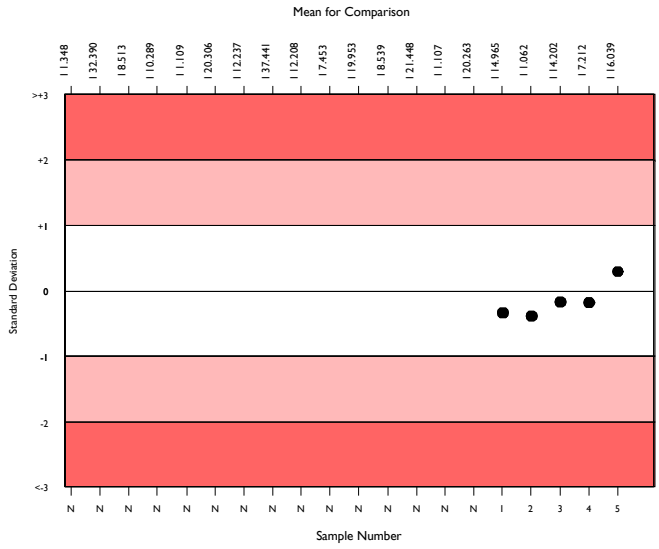
PSA, Total, ng/ml

	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	593	19.263	18.1	0.18	2.90	56
Abbott Architect/ Alinity	73	16.057	7.0	0.16	2.42	9
Abbott Architect i Systems	46	16.039	6.2	0.18	2.42	6

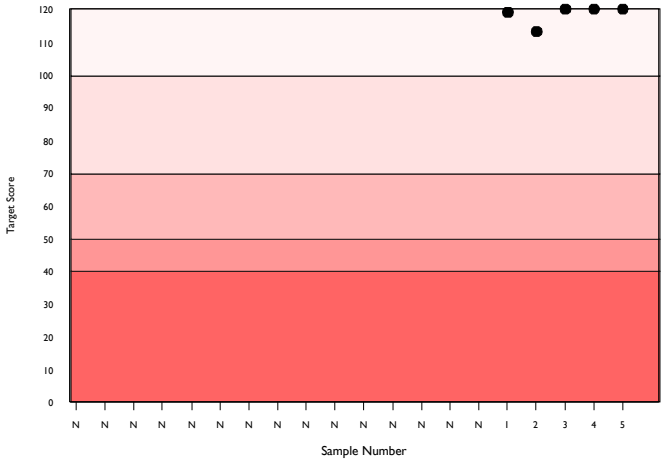
Your Result	16.740	SDI	0.29
		RMSDI	Too Few
Mean for Comparison	16.039	TS	120
		RMTS	Too Few
		%DEV	4.4
		RM%DEV	Too Few

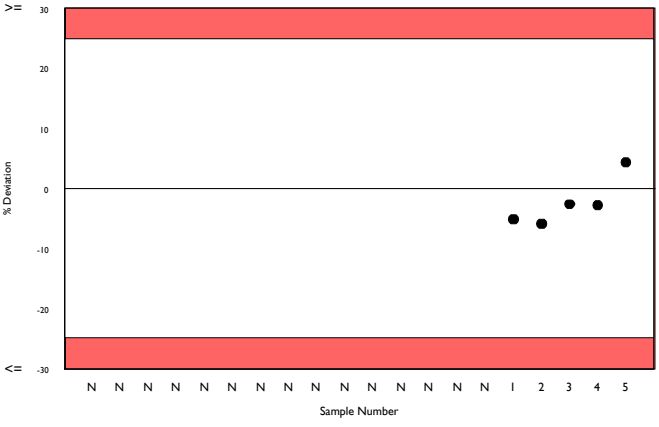
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	24.80%

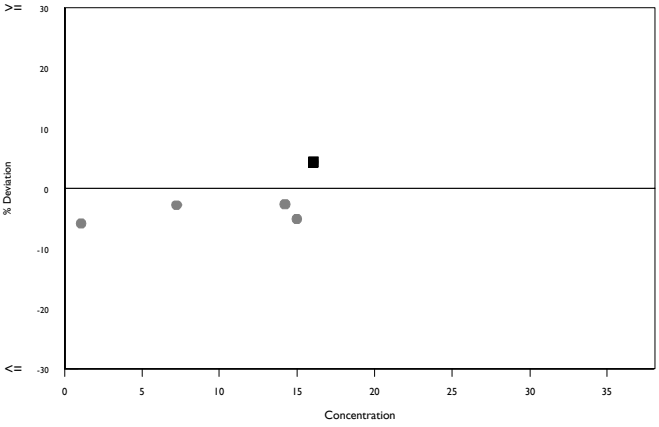




TDPA = 24.8%







Method	N	Mean	CV%	U_m
Roche Cobas 4000/e411	90	19.749	8.6	0.23
Abbott Architect/ Alinity	73	16.057	7.0	0.16
SNIBE Maglumi analysers	51	15.490	10.0	0.27
Roche Cobas e601/602	48	19.725	7.2	0.26
Monobind Inc ELISA / CLIA	50	27.371	19.1	0.92
bioMerieux, VIDAS TPSA	42	21.671	6.9	0.29
ELISA	40	27.260	17.3	0.93
Beckman Access standardised to Hybritech	28	21.328	7.9	0.40
Roche Cobas e402/e801	19	19.579	6.5	0.36
Tosoh AIA Series	18	15.356	6.3	0.29
Siemens Dimension	15	20.600	7.4	0.49
Ortho Vitros 3600/5600/ECi	14	18.046	11.2	0.68
Beckman DXI standardised to Hybritech	8	21.276	3.0	0.28
Mindray CL-Series	11	24.504	10.5	0.97
Siemens Centaur CP	9	17.676	9.7	0.72
Ortho Vitros 3600/5600/ECi PSA II	8	18.575	3.5	0.29
Siemens Centaur XP/XPT	9	18.319	7.5	0.57
Siemens Immulite 2000/2500, Total PSA	7	18.543	8.7	0.76
Siemens Atellica IM	7	18.027	5.7	0.48
Roche Elecsys Modular E170	6	19.913	16.2	1.65
Siemens Immulite 1000, Total PSA	4	18.925	11.6	1.37

RIQAS

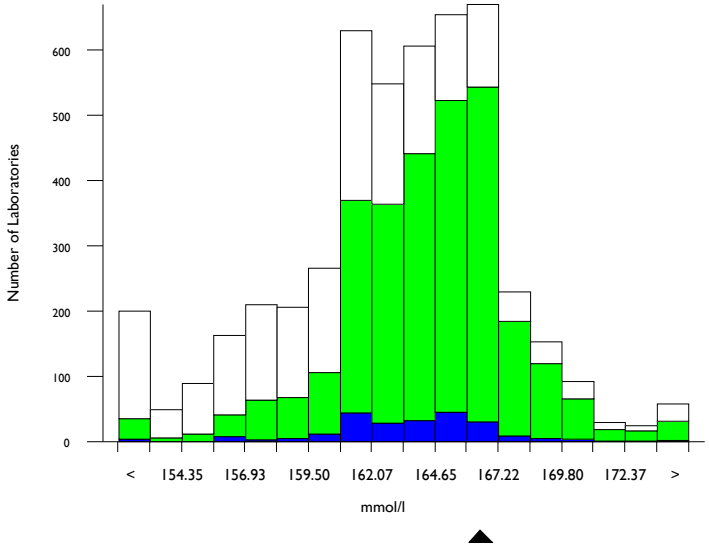
UKAS PROFICIENCY TESTING 0010

Sodium, mmol/l

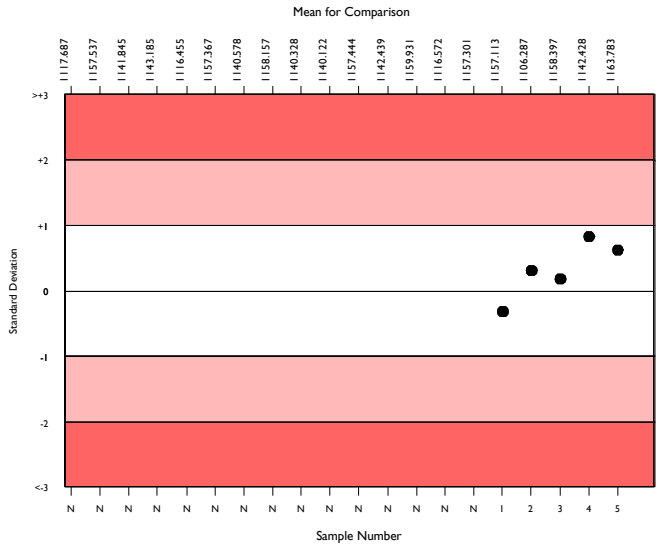
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	4498	163.367	2.1	0.06	3.58	379
ISE method - indirect	2760	164.511	1.5	0.06	3.60	249
Abbott Architect c systems	215	163.783	1.4	0.20	3.58	21

Your Result	166.000	SDI	0.62
		RMSDI	Too Few
Mean for Comparison	163.783	TS	92
		RMTS	Too Few
		%DEV	1.4
		RM%DEV	Too Few

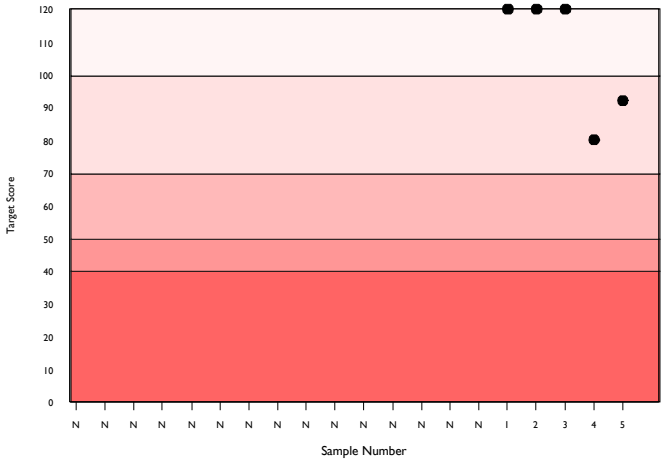
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	3.60%

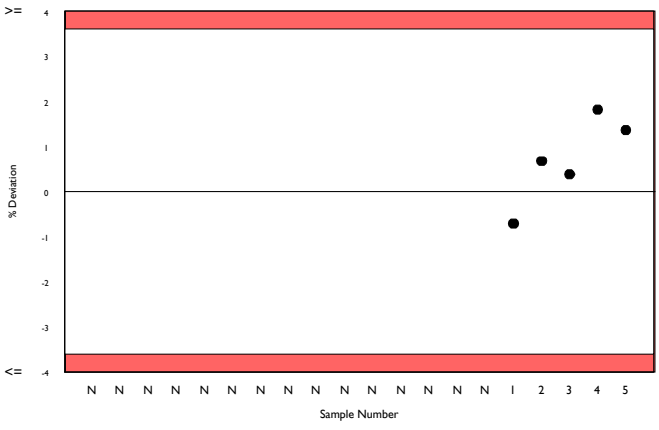


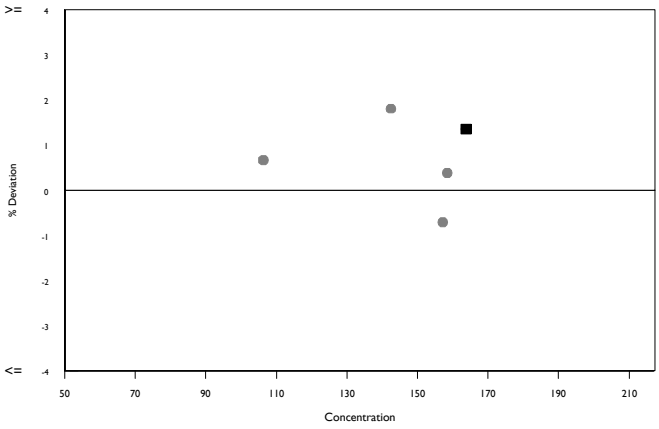
Method	N	Mean	CV%	U_m
ISE method - indirect	2760	164.511	1.5	0.06
ISE method - direct	1414	160.988	2.6	0.14
Ortho Vitros MicroSlide Systems	171	161.905	1.5	0.22
Other Dry Chemistry	42	162.000	1.7	0.55
Colorimetric	38	150.618	2.1	0.65
Agappe - ISE DIRECT	20	165.575	2.0	0.91
Flame photometry	15	158.132	3.9	2.01
Enzymatic	9	159.208	7.0	4.64
Vitros, DT60/DT60 II/DTE II	6	159.917	1.7	1.39
Optical Fluorescence	3	167.567	6.0	7.23



TDPA = 3.6%







RIQAS

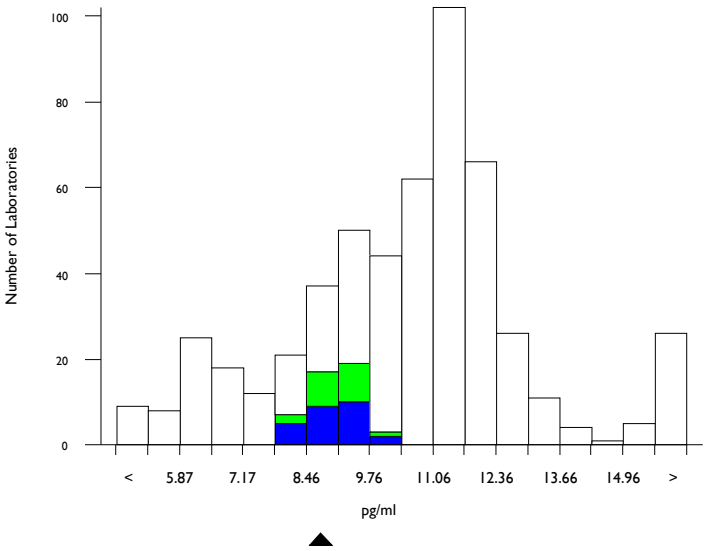
UKAS PROFICIENCY TESTING 0010

Free T3, pg/ml

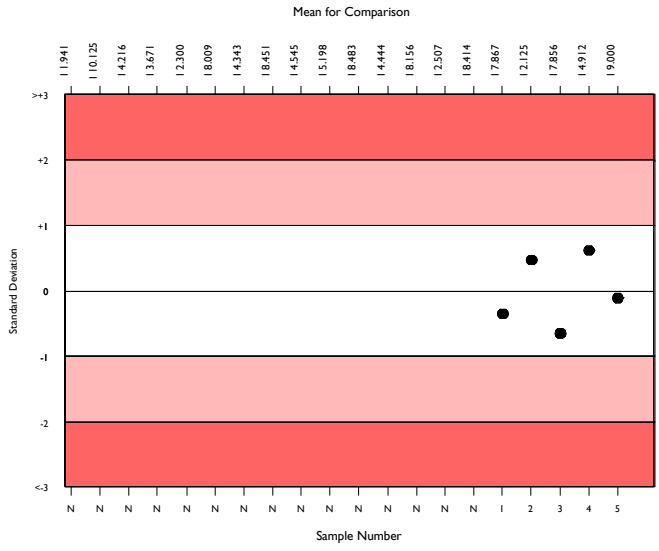
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	470	10.418	16.6	0.10	1.10	64
Abbott Architect/ Alinity, 6 point cal	44	8.996	5.6	0.09	0.95	2
Abbott Architect i Systems	25	9.000	6.3	0.14	0.95	1

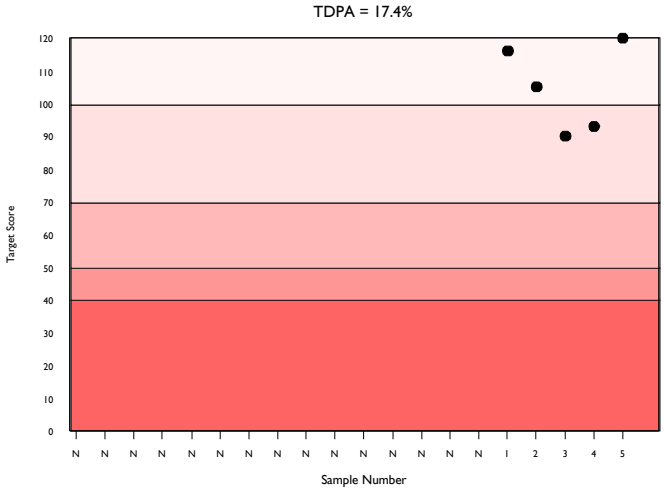
▲ Your Result	8.890	SDI	-0.12
		RMSDI	Too Few
Mean for Comparison	9.000	TS	120
		RMTS	Too Few
		%DEV	-1.2
		RM%DEV	Too Few

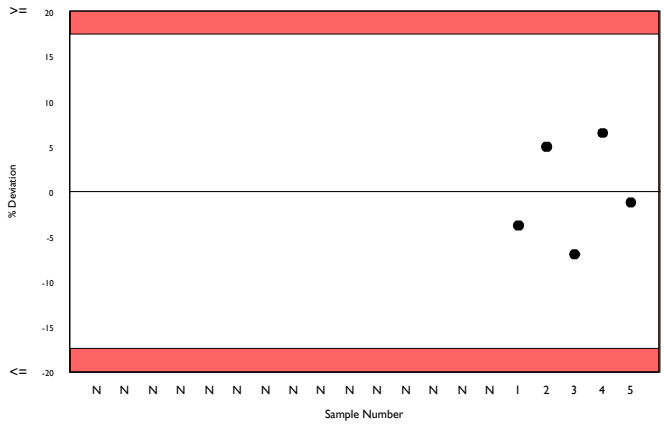
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	17.40%

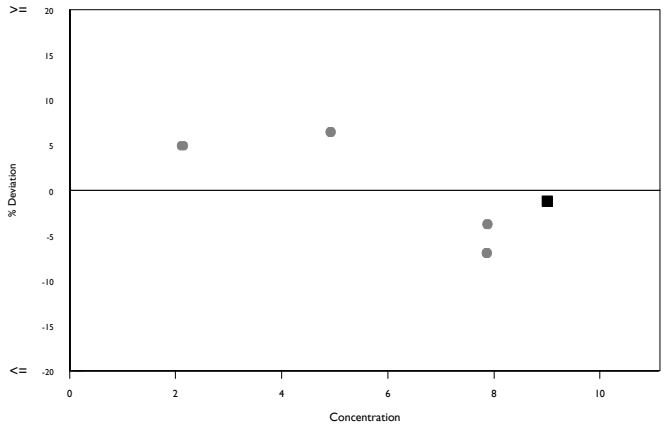


Method	N	Mean	CV%	U_m
Roche Cobas 4000/e411	89	11.295	5.1	0.08
Roche Cobas e601/602	59	11.591	3.4	0.06
BioMerieux VIDAS	43	10.453	8.5	0.17
Abbott Architect/ Alinity, 6 point cal	44	8.996	5.6	0.09
Abbott Architect/ Alinity, 2 point cal	40	9.001	6.9	0.12
Beckman Access/LXi725	34	6.810	9.2	0.13
Roche Cobas e402/e801	20	11.512	3.4	0.11
SNIBE Maglumi analysers	20	12.093	7.2	0.24
Ortho Vitros 3600/5600/ECi/XT 7600	12	22.644	5.9	0.48
Tosoh AIA Series	13	13.451	10.4	0.48
Siemens Centaur CP	12	10.497	10.0	0.38
Siemens Centaur XP/XPT	12	10.516	5.0	0.19
Beckman Dxl 600/800	12	5.985	5.6	0.12
Siemens Dimension Exl LOCI	11	11.443	1.6	0.07
Mindray CL-Series	10	9.791	5.8	0.23
ELISA	7	7.293	32.1	1.11
Siemens Atellica IM	7	12.038	2.2	0.12
Siemens/DPC Immulite 2000/2500	6	5.790	17.8	0.53
Roche Elecsys	6	12.278	11.5	0.72
Fujirebio Lumipulse G Series	5	11.550	6.7	0.43
Autobio CLIA	3	13.763	10.2	1.01









RIQAS

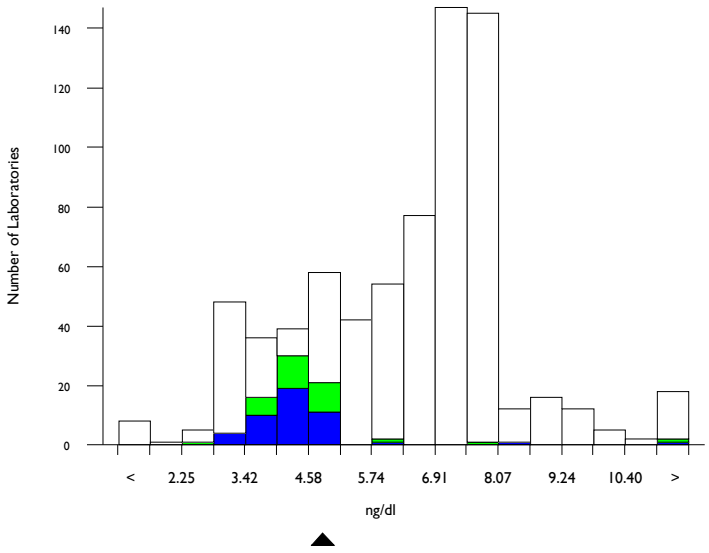
UKAS PROFICIENCY TESTING 0010

Free T4, ng/dl

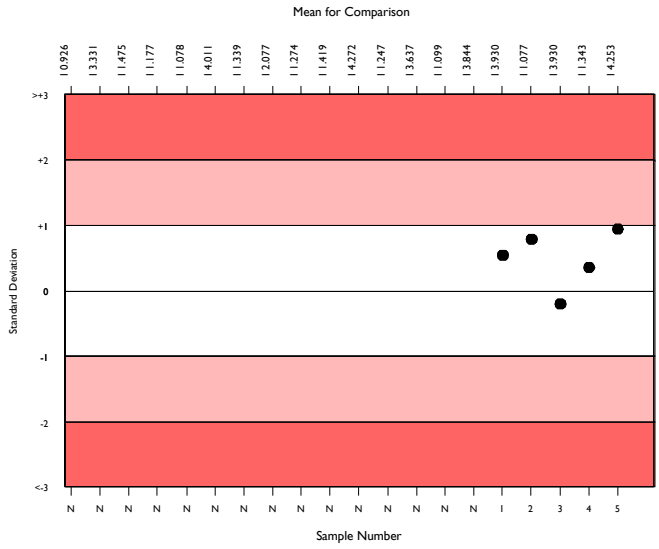
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	676	6.332	24.5	0.07	0.77	146
Abbott Architect/ Alinity	71	4.283	11.5	0.07	0.52	32
Abbott Architect i Systems	43	4.253	11.2	0.09	0.52	20

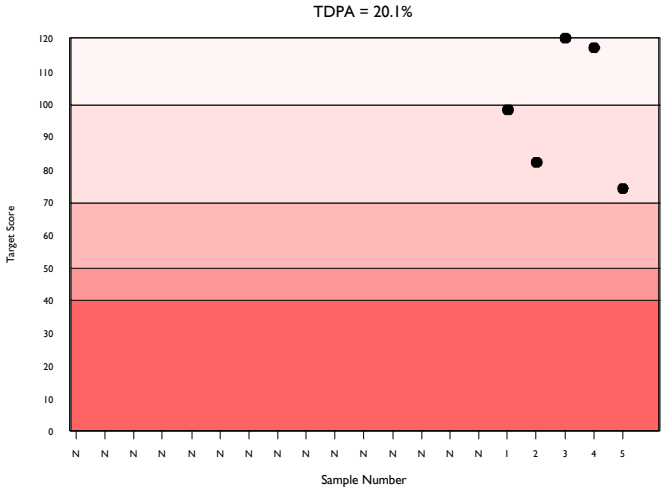
▲ Your Result	4.740	SDI	0.94
		RMSDI	Too Few
Mean for Comparison	4.253	TS	74
		RMTS	Too Few
		%DEV	11.5
		RM%DEV	Too Few

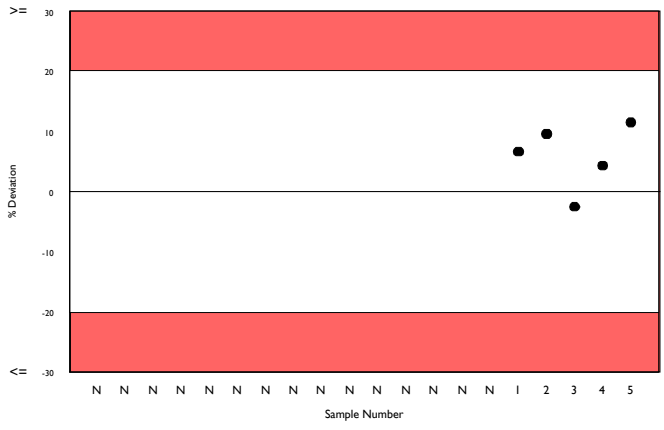
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	20.10%

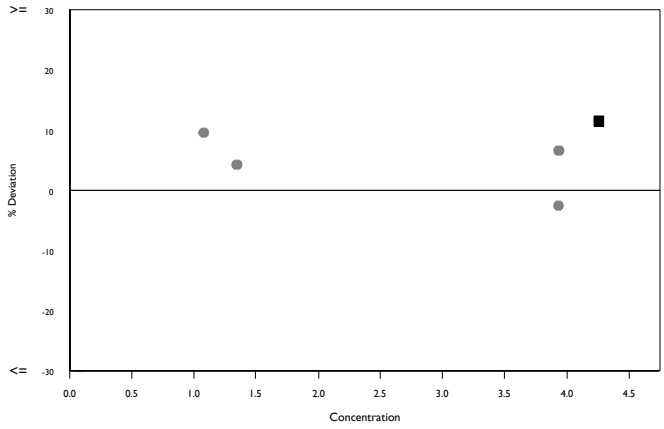


Method	N	Mean	CV%	U_m
Roche Cobas 4000/e411	95	7.463	5.1	0.05
Abbott Architect/ Alinity	71	4.283	11.5	0.07
Roche Cobas e601/ 602	58	7.369	5.4	0.07
SNIBE Maglumi analysers	59	7.100	9.5	0.11
bioMerieux, VIDAS-FT4N Kit	45	7.181	3.9	0.05
Monobind Inc ELISA / CLIA	46	3.425	9.3	0.06
Beckman Access/LXi725	43	5.436	9.4	0.10
Roche Cobas e402/e801	24	7.646	2.4	0.05
Tosoh AIA Series	24	7.311	5.8	0.11
ELISA	20	3.426	16.1	0.15
Ortho Vitros 3600/5600/ECi/XT/7600	13	7.540	14.8	0.39
Beckman Dxl 600/800	19	5.509	4.7	0.07
Mindray CL-Series	18	4.838	4.9	0.07
Siemens Centaur CP	15	6.859	5.7	0.13
Siemens Centaur XP/XPT	17	6.011	12.8	0.23
Siemens Dimension Exl LOCI	13	8.084	7.1	0.20
Siemens/DPC Immulite 2000/2500	4	6.336	15.7	0.62
Roche Elecsys	9	7.519	5.8	0.18
Siemens/DPC Immulite 1000	7	6.742	9.2	0.29
Siemens Atellica IM	6	6.571	1.6	0.05
Fujirebio Lumipulse G Series	6	8.587	26.5	1.16









RIQAS

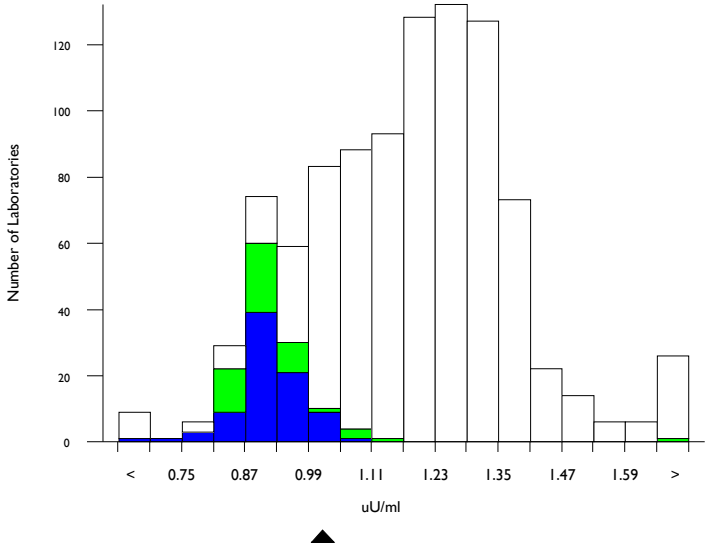
UKAS PROFICIENCY TESTING 0010

TSH, uU/ml

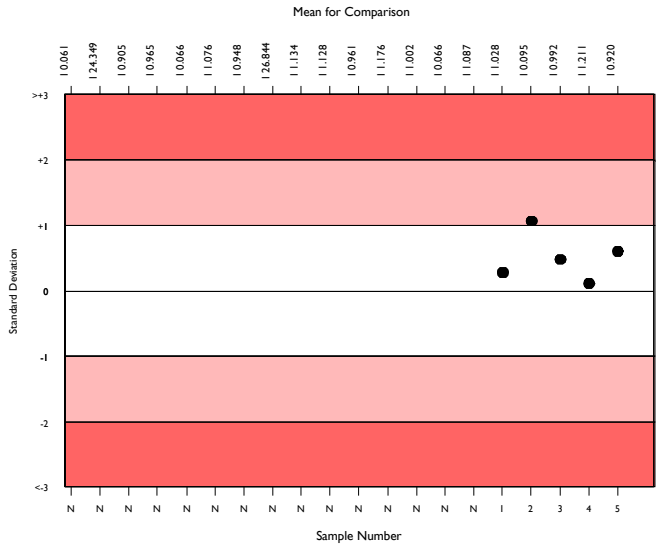
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	916	1.171	13.6	0.01	0.17	62
Abbott Architect/ Alinity	118	0.912	4.9	0.01	0.13	15
Abbott Architect i Systems	76	0.920	5.2	0.01	0.13	8

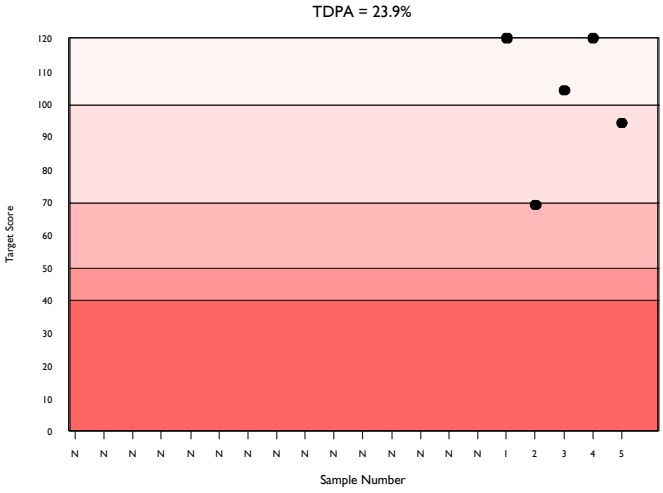
▲ Your Result	1.000	SDI	0.60
		RMSDI	Too Few
Mean for Comparison	0.920	TS	94
		RMTS	Too Few
		%DEV	8.7
		RM%DEV	Too Few

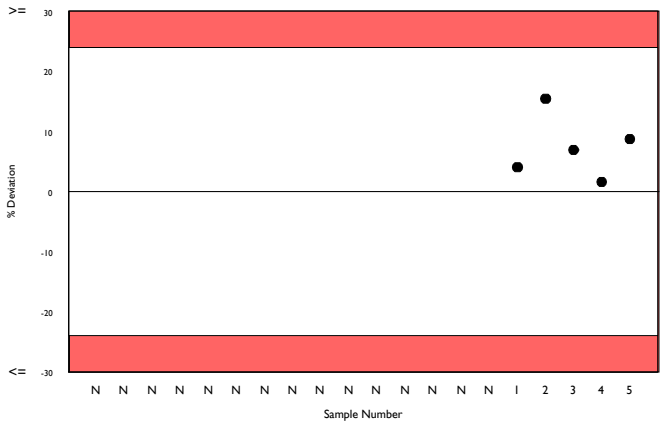
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	23.90%

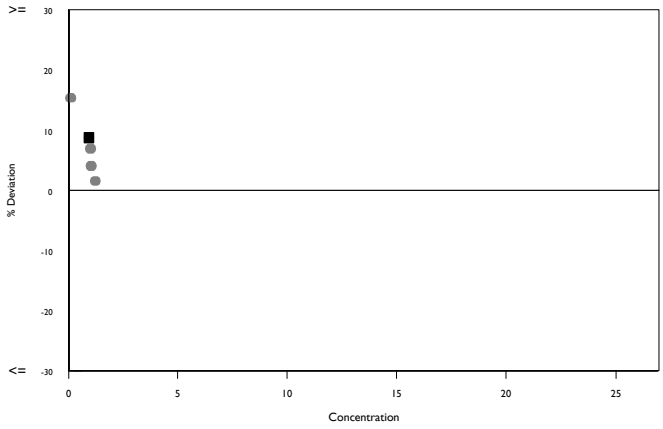


Method	N	Mean	CV%	U_m
Roche Cobas 4000/e411	134	1.324	4.3	0.01
Abbott Architect/ Alinity	118	0.912	4.9	0.01
Roche Cobas e601/ 602	75	1.303	3.2	0.01
SNIBE Maglumi analysers	73	1.203	5.7	0.01
Monobind Inc ELISA / CLIA	57	1.204	9.8	0.02
Biomerieux VIDAS TSH	54	1.208	6.8	0.01
ELISA	34	1.179	13.9	0.04
Beckman DXI600/800/ Access 2 (3rd IS)	32	1.082	5.5	0.01
Roche Cobas e402/e801	31	1.242	2.7	0.01
Tosoh AIA Series	33	1.192	12.6	0.03
Beckman Access/LXi725 hyper TSH 3rd gen.	27	1.091	6.6	0.02
Ortho Vitros 3600/5600/ECi/XT 7600	24	1.071	6.6	0.02
Mindray CL-Series	20	1.469	7.3	0.03
Siemens Centaur CP	16	1.053	9.6	0.03
Roche Elecsys	14	1.281	9.7	0.04
Siemens Dimension Exl LOCI	14	1.042	7.7	0.03
Siemens/DPC Immulite 2000/2500	11	1.201	5.9	0.03
Siemens/DPC Immulite 1000	11	1.236	8.7	0.04
Siemens Atellica IM	10	1.028	2.3	0.01
Siemens Centaur XP/XPT	9	1.132	8.6	0.04
Beckman Access/LXi725 Fast TSH 2nd gen.	10	1.104	5.9	0.03









RIQAS

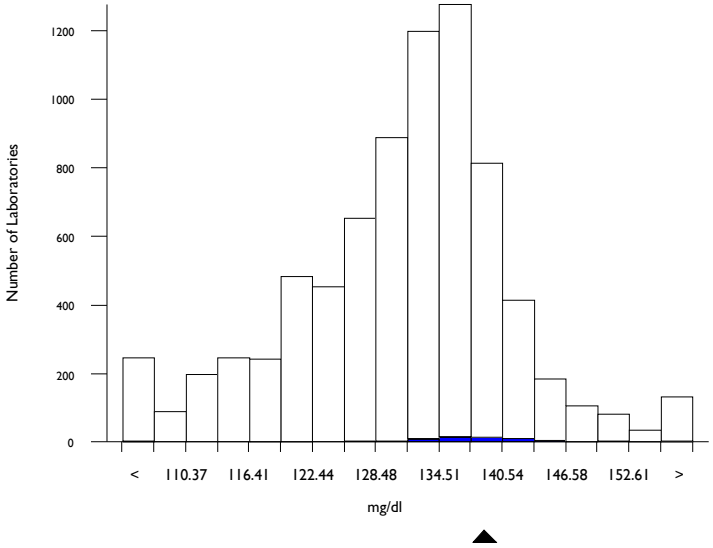
UKAS PROFICIENCY TESTING 0010

Urea, mg/dl

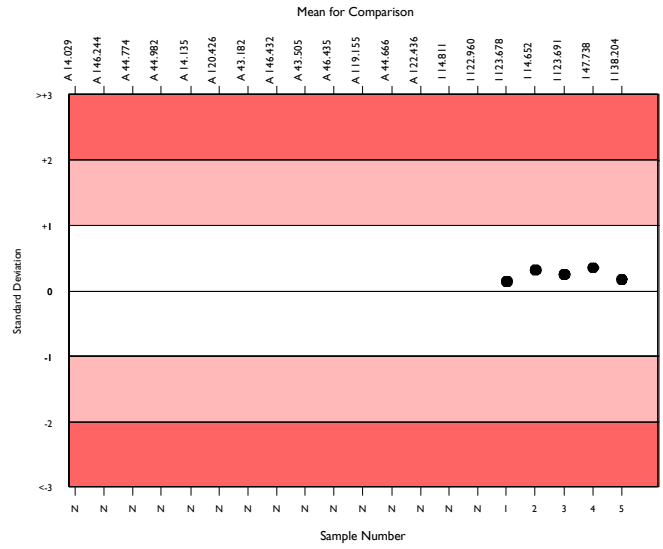
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	7150	131.497	6.1	0.12	9.99	578
Abbott Architect Urea Nitrogen 2	60	137.692	3.6	0.81	10.46	9
Abbott Architect c systems	54	138.204	3.5	0.83	10.50	6

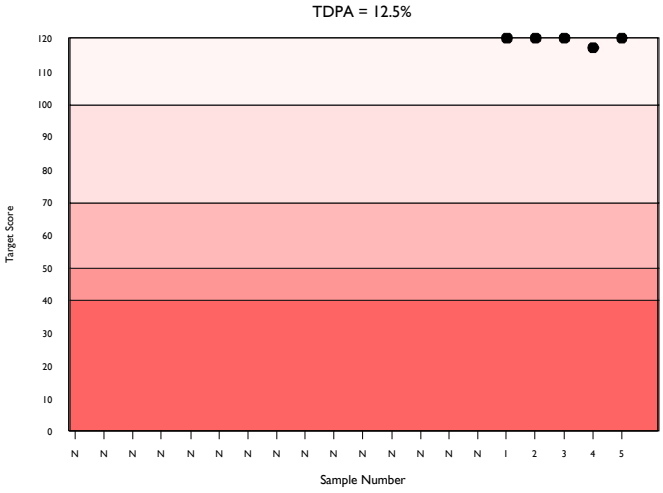
Your Result	140.000	SDI	0.17
		RMSDI	Too Few
Mean for Comparison	138.204	TS	120
		RMTS	Too Few
		%DEV	1.3
		RM%DEV	Too Few

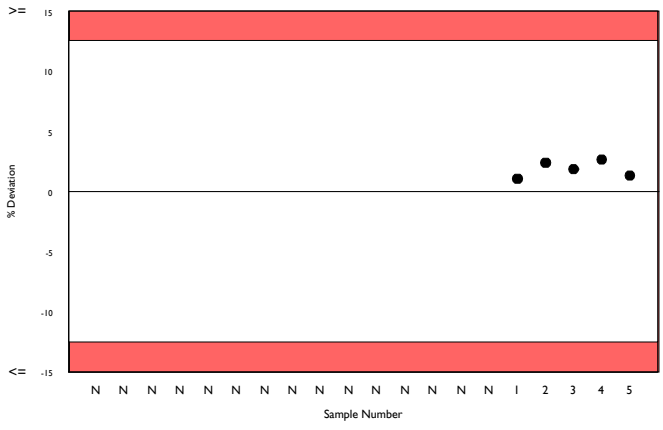
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	12.50%

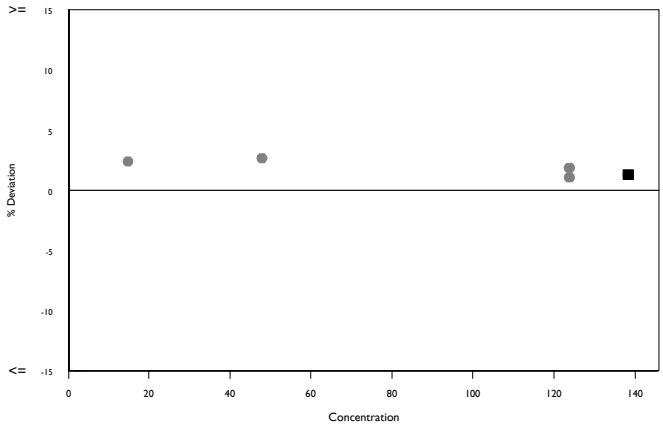


Method	N	Mean	CV%	U_m
Urease, kinetic	6079	131.830	6.0	0.13
Urease, end point	455	130.957	6.7	0.51
Ortho Vitros MicroSlide Systems	230	124.360	2.6	0.27
Urease, hypochlorite	105	123.398	8.4	1.26
Agappe - UREASE GLDH	75	130.322	5.0	0.93
Abbott Architect Urea Nitrogen 2	60	137.692	3.6	0.81
Other Dry Chemistry	56	140.602	2.7	0.63
Beckman - Conductivity	41	134.518	4.8	1.25
Agappe - BERTHELOT	9	117.810	10.7	5.23
Diacetyl monoxime	6	131.941	5.1	3.40
O-Phthalaldehyde	5	124.940	3.4	2.37
Vitros DT60/DT60 II	2	127.711	6.7	7.53









RIQAS

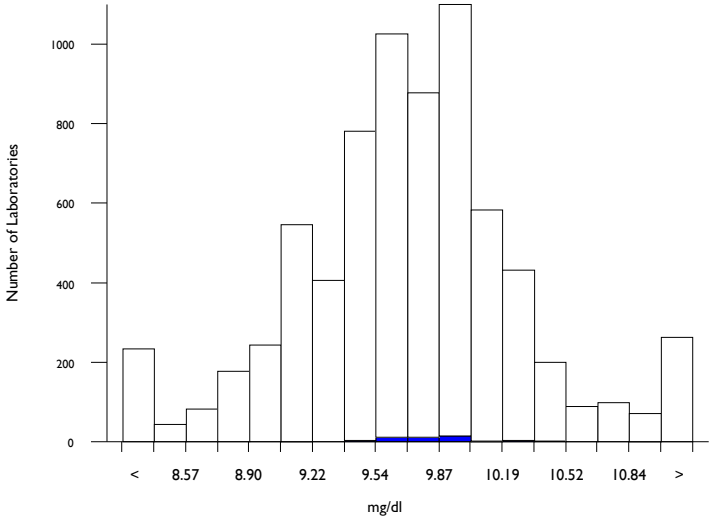
UKAS PROFICIENCY TESTING 0010

Uric Acid (Urate), mg/dl

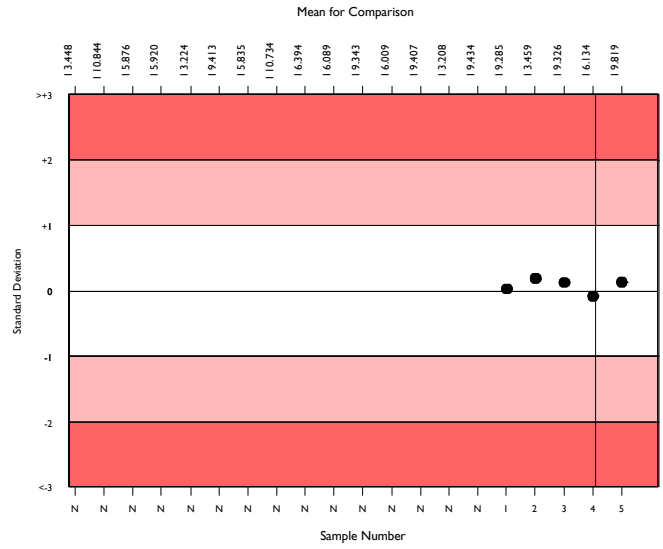
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	6640	9.711	4.5	0.01	0.63	606
Abbott Architect Uric Acid 2	45	9.833	1.7	0.03	0.63	7
Abbott Architect c systems	43	9.819	1.6	0.03	0.63	7

Your Result	9.900	SDI	0.13
		RMSDI	Too Few
Mean for Comparison	9.819	TS	120
		RMTS	Too Few
		%DEV	0.8
		RM%DEV	Too Few

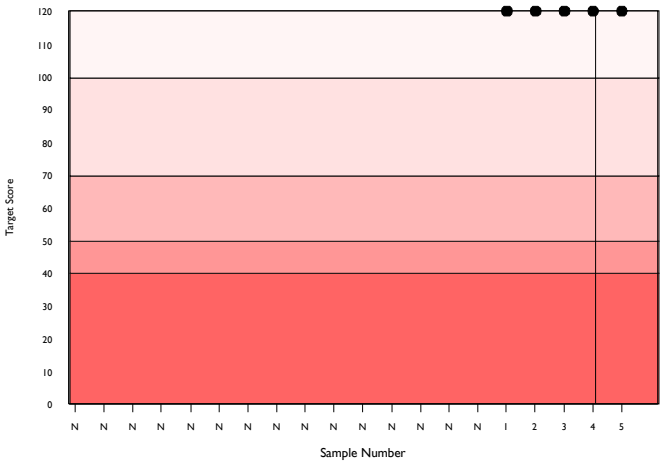
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	10.60%

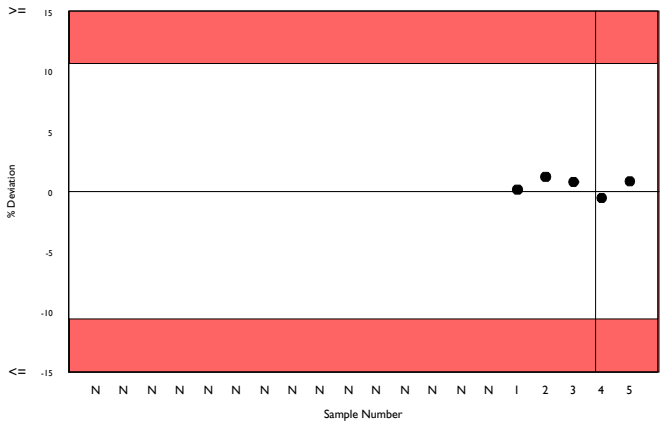


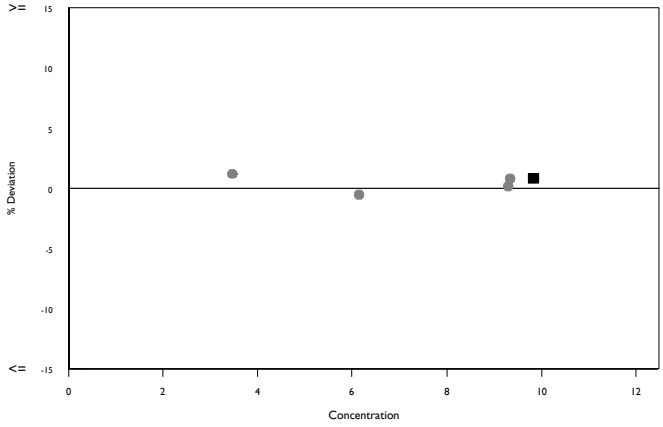
Method	N	Mean	CV%	U_m
Uricase perox. no ascorb. ox.	2666	9.658	5.2	0.01
Uricase Perox. with ascorb. ox	1815	9.826	3.8	0.01
Uricase Perox. with ascorb. ox @ 546nm	1302	9.664	3.6	0.01
Ortho Vitros MicroSlide Systems	231	9.348	2.3	0.02
Uricase @ 293 nm	197	9.825	2.3	0.02
Uricase, catalase 340nm.	107	9.882	2.2	0.03
Abbott Alinity Uric Acid 2	72	9.753	1.5	0.02
Agappe - URICASE - PAP	51	10.028	3.3	0.06
Abbott Architect Uric Acid 2	45	9.833	1.7	0.03
Other Dry Chemistry	40	10.712	4.6	0.09
Agappe - URICASE - TOPS	23	9.545	7.3	0.18
Reduction methods	18	9.623	6.4	0.18
Vitros DT60/DT60 II	3	9.134	2.1	0.14



TDPA = 10.6%







RIQAS

UKAS PROFICIENCY TESTING 0010

Analyte	Mean for Comparison	Your Result	SDI	RMSDI	%DEV	RM%DEV	TS	RMTS	Performance
Albumin	2.984	2.800	-1.13	Too Few	-6.2	Too Few	66	Too Few	
Alkaline Phosphatase	373.906	376.000	0.05	Too Few	0.6	Too Few	120	Too Few	
ALT (GPT)	146.566	144.000	-0.19	Too Few	-1.8	Too Few	120	Too Few	
Amylase, Pancreatic	265.061	268.000	0.09	Too Few	1.1	Too Few	120	Too Few	
Amylase, Total	322.072	327.000	0.15	Too Few	1.5	Too Few	120	Too Few	
AST (GOT)	163.025	170.000	0.48	Too Few	4.3	Too Few	104	Too Few	
Bile Acids	49.860	50.700	0.11	Too Few	1.7	Too Few	120	Too Few	
Bilirubin, Direct	2.339	2.500	0.44	Too Few	6.9	Too Few	107	Too Few	
Bilirubin, Total	5.913	6.300	0.68	Too Few	6.5	Too Few	89	Too Few	
Calcium	12.663	13.000	0.53	Too Few	2.7	Too Few	99	Too Few	
Chloride	118.391	120.000	0.49	Too Few	1.4	Too Few	103	Too Few	
Cholesterol	291.242	292.000	0.05	Too Few	0.3	Too Few	120	Too Few	
CK, Total	569.133	524.000	-1.09	Too Few	-7.9	Too Few	68	Too Few	
Creatinine	4.480	485.000	***1400.24***	Too Few	***999.0***	Too Few	***10***	Too Few	▲
GGT	197.340	195.000	-0.11	Too Few	-1.2	Too Few	120	Too Few	
Glucose	286.701	286.000	-0.05	Too Few	-0.2	Too Few	120	Too Few	
HDL-Cholesterol	97.370	97.000	-0.03	Too Few	-0.4	Too Few	120	Too Few	
Iron	238.275	244.000	0.40	Too Few	2.4	Too Few	112	Too Few	
LD (LDH)	349.527	350.000	0.02	Too Few	0.1	Too Few	120	Too Few	
LDL-Cholesterol (Pilot)	120.096	125.000	0.33	Too Few	4.1	Too Few	120	Too Few	
Lipase	59.637	58.000	-0.18	Too Few	-2.7	Too Few	120	Too Few	
Lithium	1.958	2.080	0.87	Too Few	6.2	Too Few	77	Too Few	
Magnesium	4.397	4.410	0.04	Too Few	0.3	Too Few	120	Too Few	
Phosphate, Inorganic	7.066	7.000	-0.16	Too Few	-0.9	Too Few	120	Too Few	
Potassium	6.257	6.300	0.20	Too Few	0.7	Too Few	120	Too Few	
Protein, Total	4.821	4.900	0.31	Too Few	1.6	Too Few	120	Too Few	
PSA, Total	16.039	16.740	0.29	Too Few	4.4	Too Few	120	Too Few	
Sodium	163.783	166.000	0.62	Too Few	1.4	Too Few	92	Too Few	
Free T3	9.000	8.890	-0.12	Too Few	-1.2	Too Few	120	Too Few	
Free T4	4.253	4.740	0.94	Too Few	11.5	Too Few	74	Too Few	
TSH	0.920	1.000	0.60	Too Few	8.7	Too Few	94	Too Few	
Urea	138.204	140.000	0.17	Too Few	1.3	Too Few	120	Too Few	
Uric Acid (Urate)	9.819	9.900	0.13	Too Few	0.8	Too Few	120	Too Few	

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

END OF REPORT