Laboratorio Emotest s.r.l.

MONTHLY CLINICAL CHEMISTRY

CYCLE 20 SAMPLE 7

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

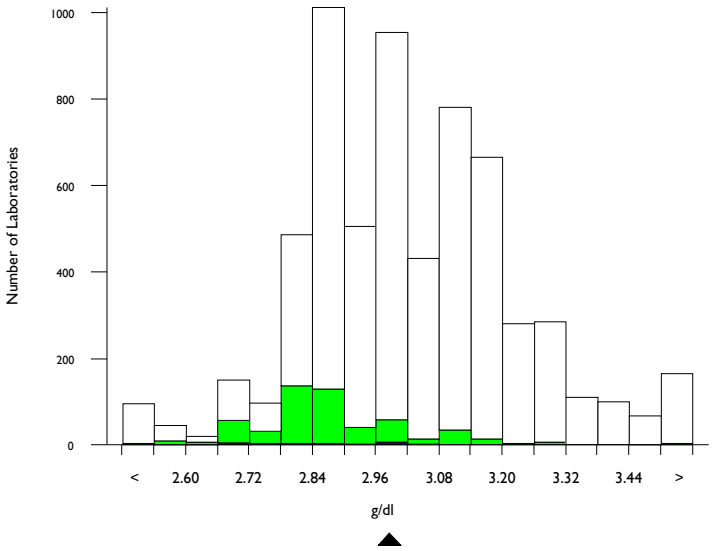
UKAS PROFICIENCY TESTING 0010

Albumin, g/dl

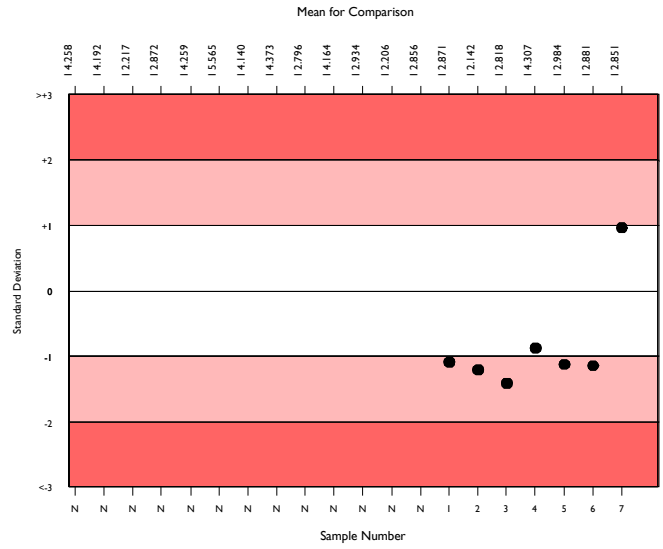
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	5845	3.024	5.3	0.00	0.17	399
Bromocresol Purple	506	2.869	4.0	0.01	0.16	40
Abbott Architect c systems	29	2.851	4.9	0.03	0.16	0

Your Result	3.000	SDI	0.96
		RMSDI	Too Few
Mean for Comparison	2.851	TS	74
		RMTS	Too Few
		%DEV	5.2
		RM%DEV	Too Few

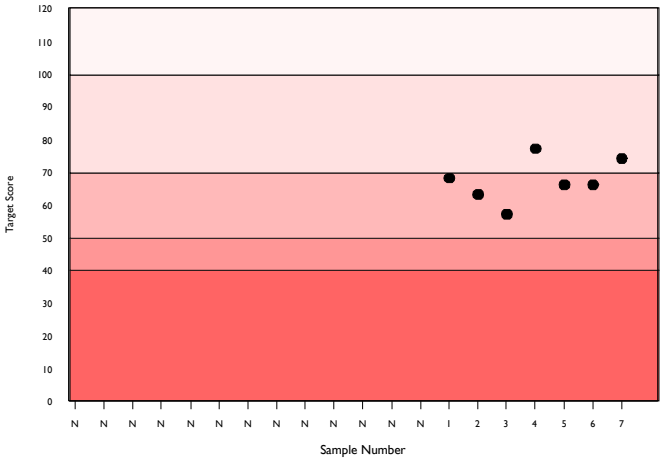
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	9.00%

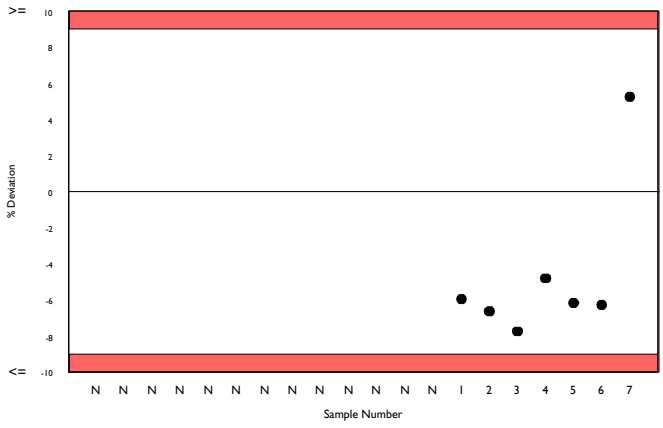


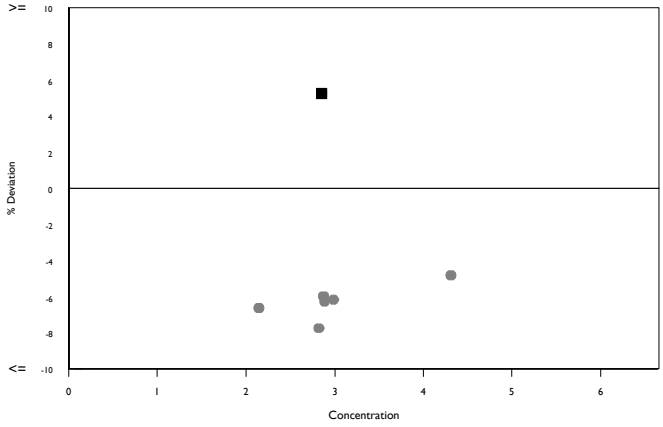
Method	N	Mean	CV%	U_m
Bromocresol Green	4799	3.043	5.1	0.00
Bromocresol Purple	506	2.869	4.0	0.01
Ortho Vitros MicroSlide Systems	214	2.954	3.0	0.01
Abbott Alinity Albumin BCG 2	93	2.915	1.4	0.01
Agappe - Bromocresol Green	56	3.253	4.2	0.02
Other Dry Chemistry	47	3.475	4.0	0.03
Turbidimetric Assays	36	3.032	6.7	0.04
Abbott Architect Albumin BCG 2	31	2.924	1.6	0.01
Abbott Architect Albumin BCP 2	13	2.741	1.8	0.02
Nephelometric Assays	7	2.884	2.6	0.03
Abbott Alinity Albumin BCP 2	7	2.729	3.1	0.04
Electrophoresis	3	3.493	20.1	0.51



TDPA = 9%







RIQAS

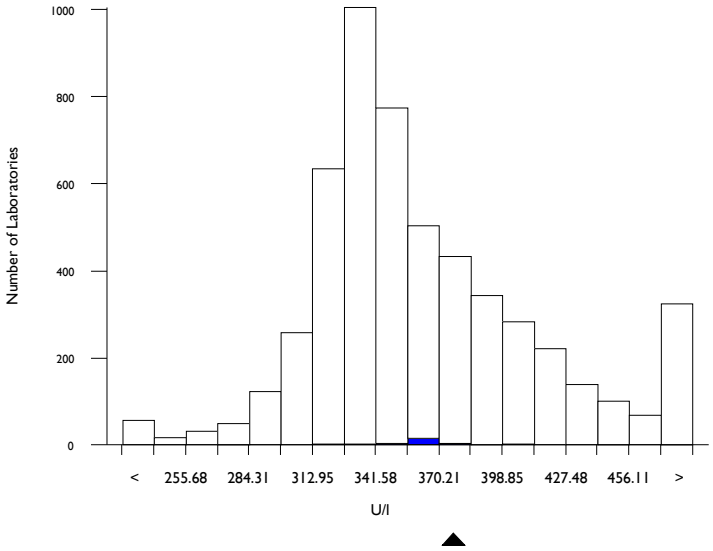
UKAS PROFICIENCY TESTING 0010

Alkaline Phosphatase, U/l @ 37°C

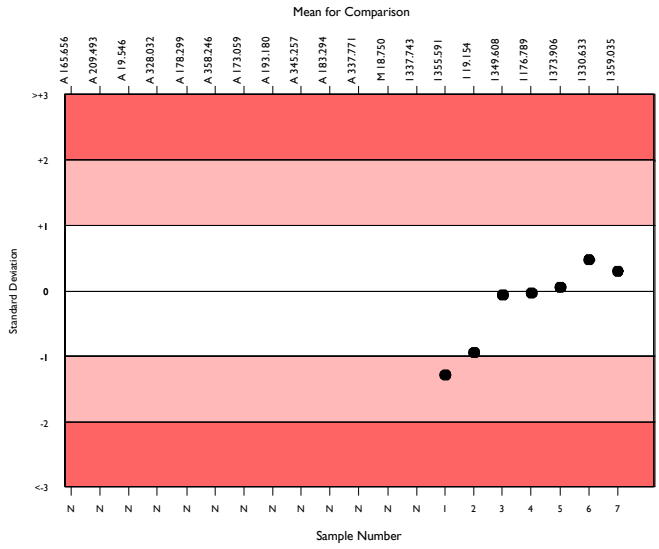
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	4897	355.901	10.7	0.68	40.03	462
Abbott Architect Alkaline Phosphatase 2	27	359.035	3.9	3.39	40.38	6
Abbott Architect c systems	27	359.035	3.9	3.39	40.38	6

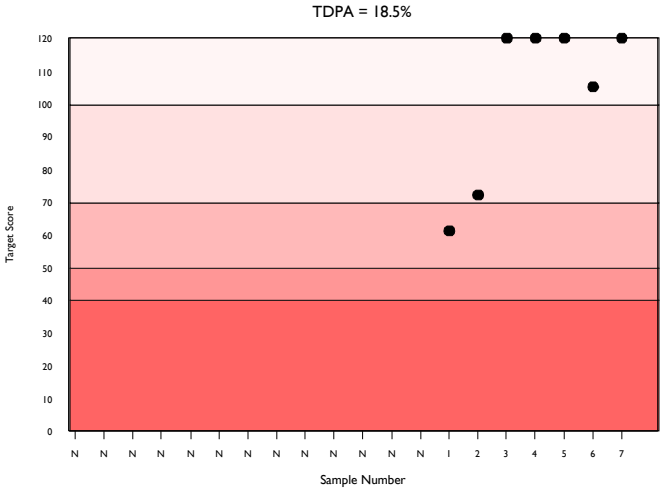
Your Result	371.000	SDI	0.30
		RMSDI	Too Few
Mean for Comparison	359.035	TS	120
		RMTS	Too Few
		%DEV	3.3
		RM%DEV	Too Few

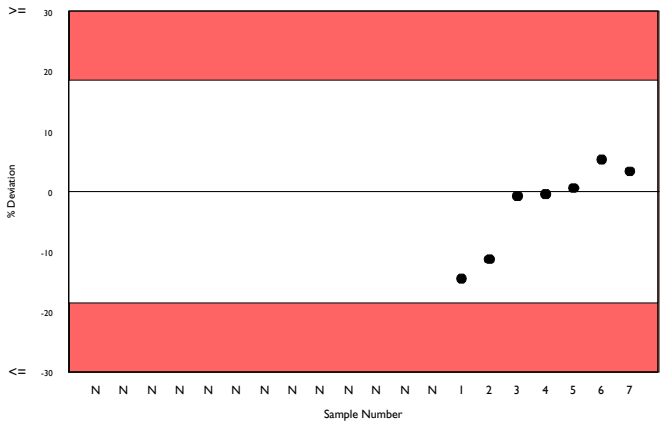
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	18.50%

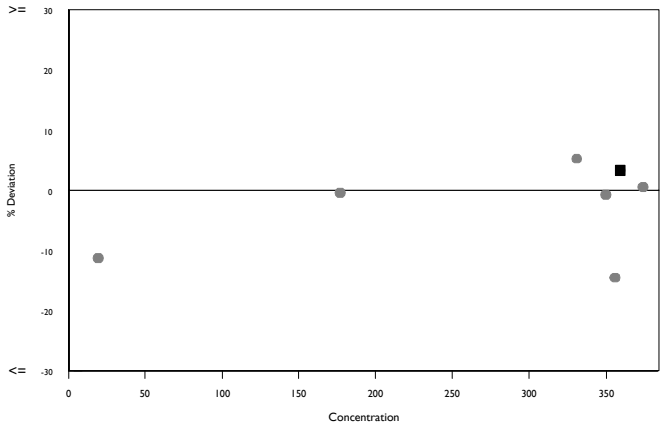


Method	N	Mean	CV%	U_m
AMP optimised to IFCC	2036	362.492	9.5	0.95
Roche AMP buffer IFCC	1192	335.870	4.1	0.49
Diethanolamine buffer, DEA	484	444.103	15.3	3.85
Ortho Vitros MicroSlide Systems	233	304.430	6.2	1.55
AMP non-optimised	216	361.196	8.3	2.56
Siemens/Dade Dimension AMP buffer	221	330.617	3.0	0.85
Beckman AMP (Calibrator)	148	403.323	5.7	2.36
Colorimetric	113	346.480	9.9	4.05
Abbott Alinity Alkaline Phosphatase 2	55	370.182	4.7	2.93
Agappe - DGKC-SCE	49	435.952	5.9	4.60
Other AMP kits	45	358.123	7.0	4.69
Other Dry Chemistry	39	433.284	7.2	6.23
Abbott Architect Alkaline Phosphatase 2	27	359.035	3.9	3.39
Beckman AMP (Extinction Coeff)	28	395.161	7.5	6.97
Fuji Dri-Chem JSCC	12	437.911	5.4	8.48
AMP optimised to NVKC/SFBC	8	410.411	20.4	36.92
AMPD optimised to JSCC	4	359.850	6.2	14.00
Tris/carbonate buffer	2	375.400	10.9	36.12









RIQAS

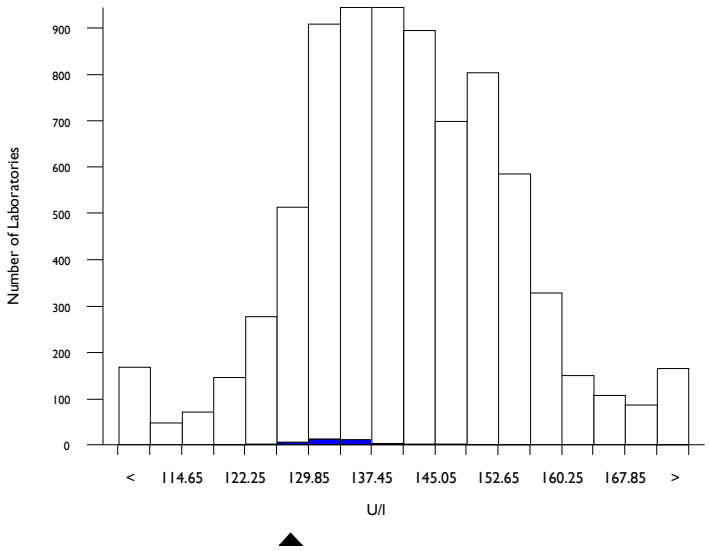
UKAS PROFICIENCY TESTING 0010

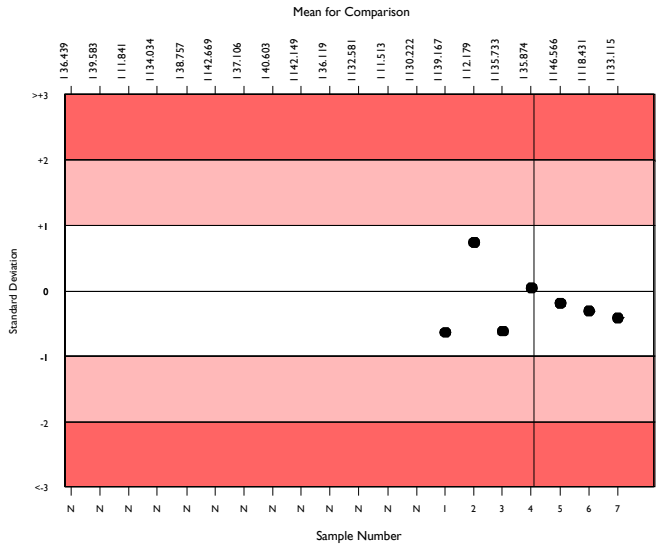
ALT (GPT), U/l @ 37°C

	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	7249	141.251	7.2	0.15	12.97	583
Abbott Architect ALT 2	37	133.115	3.5	0.97	12.22	6
Abbott Architect c systems	37	133.115	3.5	0.97	12.22	6

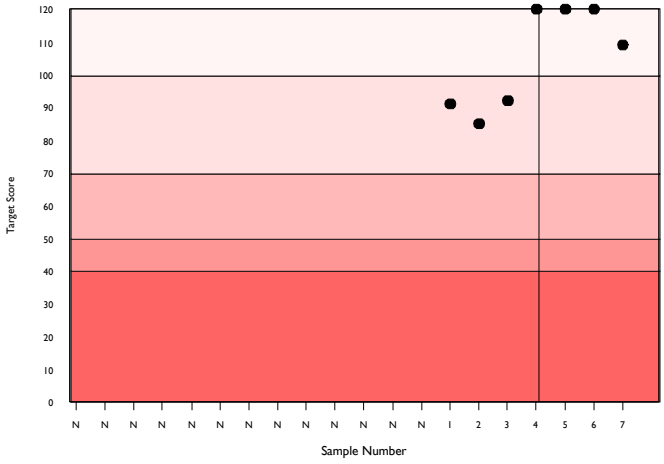
Your Result	128.000	SDI	-0.42
		RMSDI	Too Few
Mean for Comparison	133.115	TS	109
		RMTS	Too Few
		%DEV	-3.8
		RM%DEV	Too Few

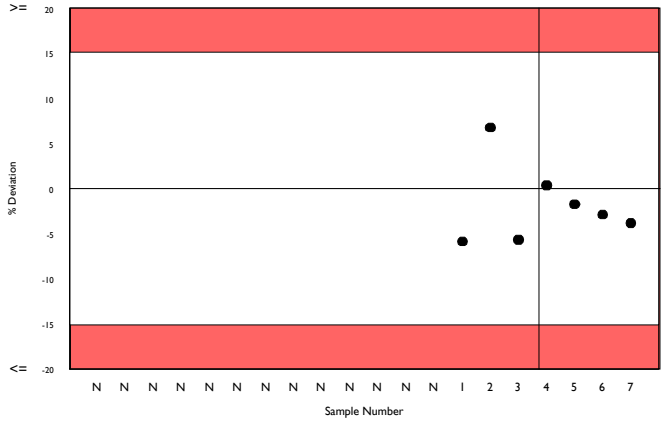
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	15.10%

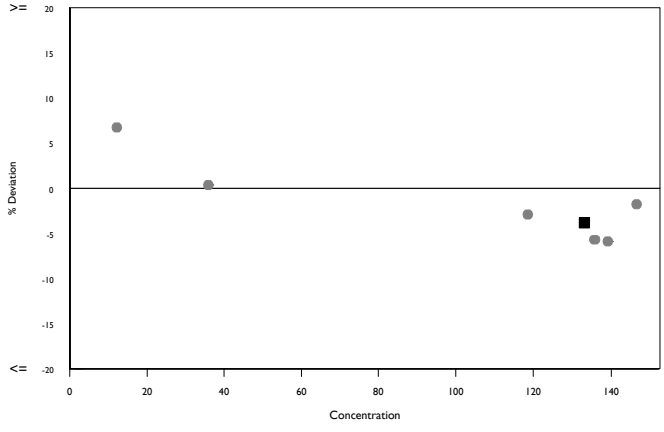




TDPA = 15.1%







Method	N	Mean	CV%	U_m
Tris buffer without P5P	4679	138.781	7.4	0.19
Beckman Mod. IFCC Ref. without P5P	890	143.693	3.8	0.23
Tris buffer with P5P	703	146.347	6.1	0.42
Ortho Vitros MicroSlide Systems	168	151.892	3.7	0.54
Siemens/Dade standard nonIFCC correlated	156	154.646	3.4	0.52
Beckman IFCC Ref. with P5P	108	144.944	4.7	0.81
Agappe - IFCC	84	150.844	4.7	0.97
Ortho Vitros MicroSlide visible	76	151.865	3.6	0.79
Colorimetric	68	141.866	7.6	1.63
Other Dry Chemistry	67	141.715	6.2	1.34
Abbott Alinity ALT 2	64	130.296	2.9	0.59
Abbott Architect ALT 2	37	133.115	3.5	0.97
Phosphate buffer, DGKC	21	144.268	4.3	1.71
Tris buffer with P5P, NVKC	21	139.646	6.1	2.31
Tris buffer, SCE	15	133.867	7.4	3.19
Beckman (Extinction Coefficient)	10	147.020	7.4	4.30
LDH - JSCC	6	139.367	11.6	8.22

RIQAS

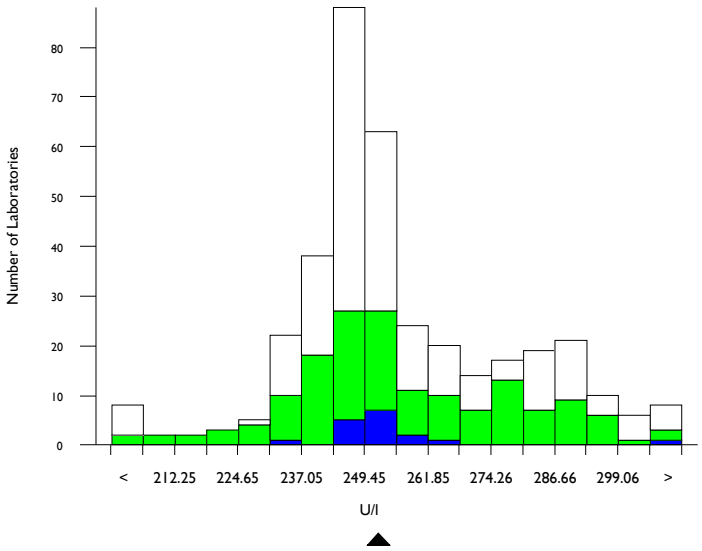
UKAS PROFICIENCY TESTING 0010

Amylase, Pancreatic, U/l @ 37°C

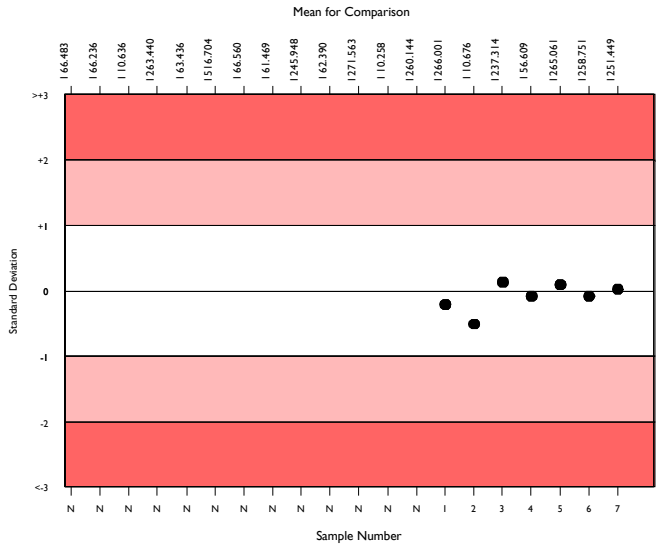
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	339	255.658	6.5	1.12	31.55	31
Immunoinhibition, EPS substrate	150	256.687	7.0	1.83	31.68	12
Abbott Architect c systems	14	251.449	1.5	1.27	31.03	3

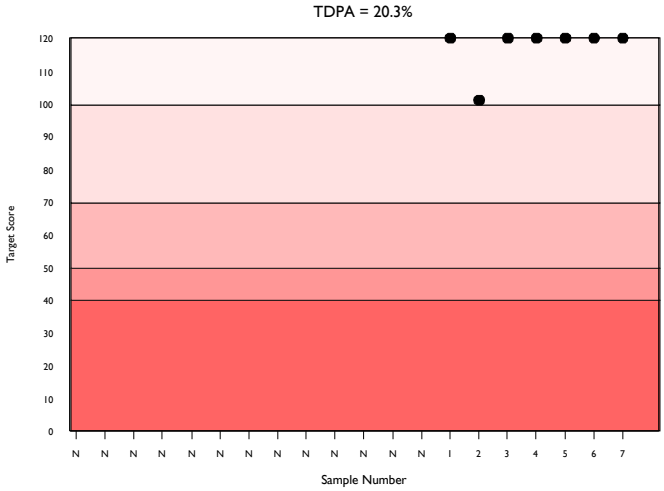
Your Result	252.000	SDI	0.02
		RMSDI	Too Few
Mean for Comparison	251.449	TS	120
		RMTS	Too Few
		%DEV	0.2
		RM%DEV	Too Few

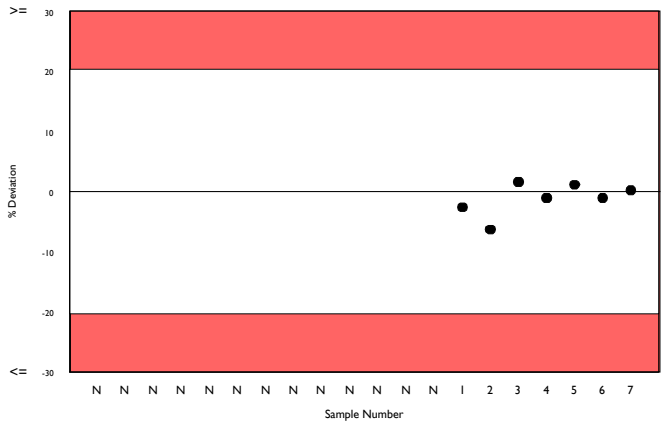
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	20.30%

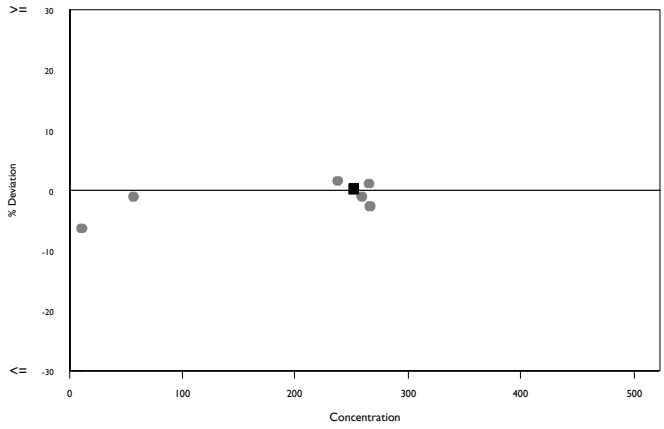


Method	N	Mean	CV%	U_m
Immunoinhibition, EPS substrate	150	256.687	7.0	1.83
Roche Liquid Stable pNPG7	133	248.545	3.0	0.81
Amyloclastic Methods	22	276.980	7.5	5.54
Beckman Synchron/CX/LXi/DxC	13	264.024	9.6	8.80
Randox Liquid Stable pNPG7	11	275.482	5.7	5.96
Other Dry Chemistry	8	233.888	18.7	19.36









RIQAS

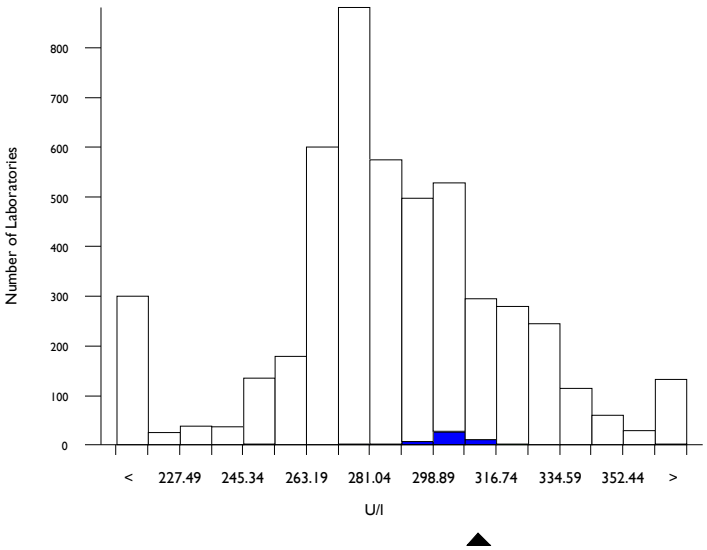
UKAS PROFICIENCY TESTING 0010

Amylase, Total, U/l @ 37°C

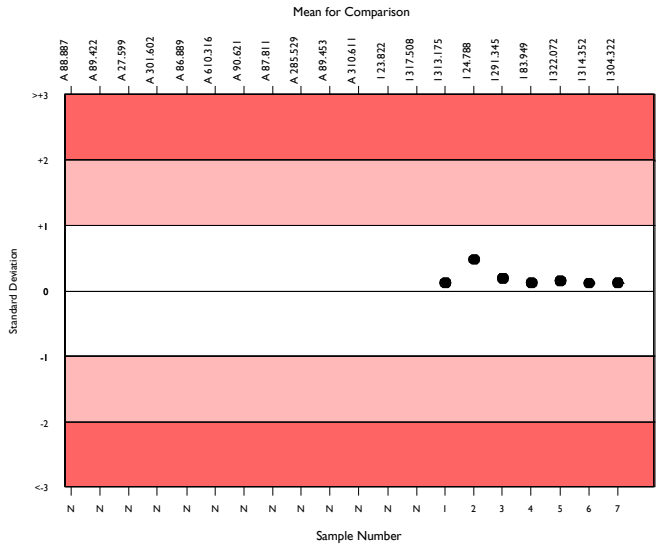
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	4482	289.968	8.2	0.44	29.79	461
Abbott Architect Amylase 2	47	304.535	1.8	0.99	31.29	5
Abbott Architect c systems	44	304.322	1.7	0.99	31.27	5

▲ Your Result	308.000	SDI	0.12
		RMSDI	Too Few
Mean for Comparison	304.322	TS	120
		RMTS	Too Few
		%DEV	1.2
		RM%DEV	Too Few

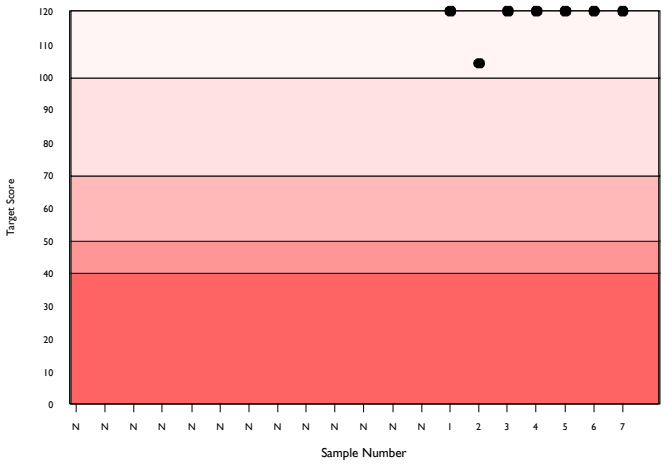
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	16.90%

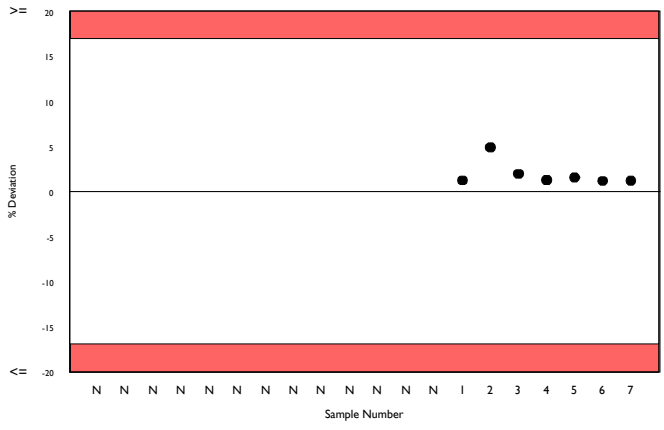


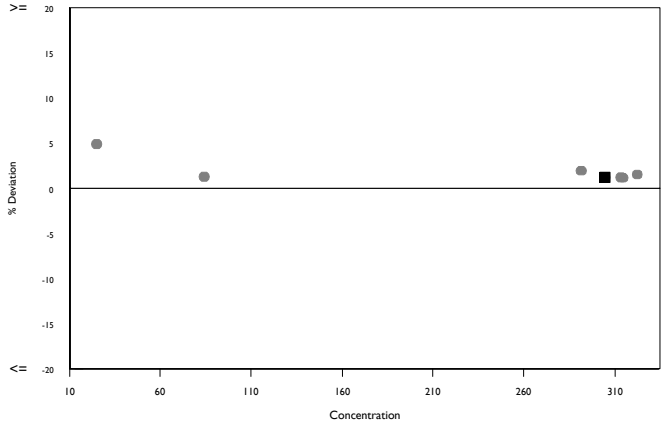
Method	N	Mean	CV%	U_m
Other 2-chloro-pNPG3	1037	291.270	9.1	1.03
Roche liquid stable pNPG7	917	273.238	2.1	0.24
Beckman CNPG3 (Master Cal)	225	284.564	3.6	0.85
Beckman Olympus blocked pNPG7	222	289.209	3.5	0.85
Siemens/Dade Behring 2-chloro-pNPG3	211	329.395	2.1	0.61
Siemens - blocked pNPG7	171	309.697	5.3	1.58
Ortho Vitros MicroSlide Systems	159	175.636	4.9	0.86
Other - blocked pNPG7	154	292.860	6.6	1.95
Other non blocked pNPG7	113	287.430	6.8	2.29
Randox Liquid Ethylidene pNPG7	110	303.065	6.7	2.40
Abbott Architect/Alinity cal factor 3431	104	306.664	2.6	0.97
Abbott Alinity Amylase 2	93	303.752	1.6	0.63
Roche Integra 2-chloro-pNPG7	77	277.225	2.5	0.97
Human CNPG3 (IFCC)	71	296.957	6.7	2.96
pNP Maltotrioside substrates	66	299.095	8.0	3.66
Other 2-chloro-pNP-linked sub.	64	301.428	9.9	4.67
Agappe - CNPG3	60	305.989	3.5	1.74
BM/Roche Colorimetric pNPG7	55	274.660	2.5	1.18
Beckman Synchron AMY7	57	291.621	3.2	1.54
Wiener Amilokit (AU/dl)	54	203.585	18.9	6.55
Abbott Architect Amylase 2	47	304.535	1.8	0.99



TDPA = 16.9%







RIQAS

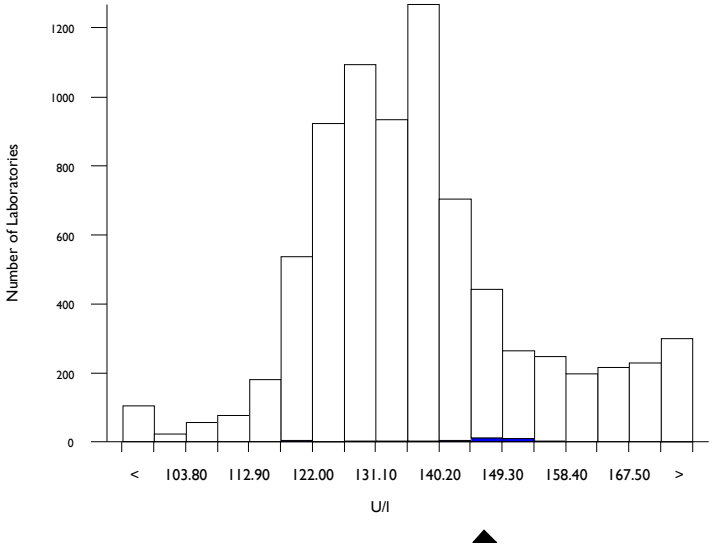
UKAS PROFICIENCY TESTING 0010

AST (GOT), U/l @ 37°C

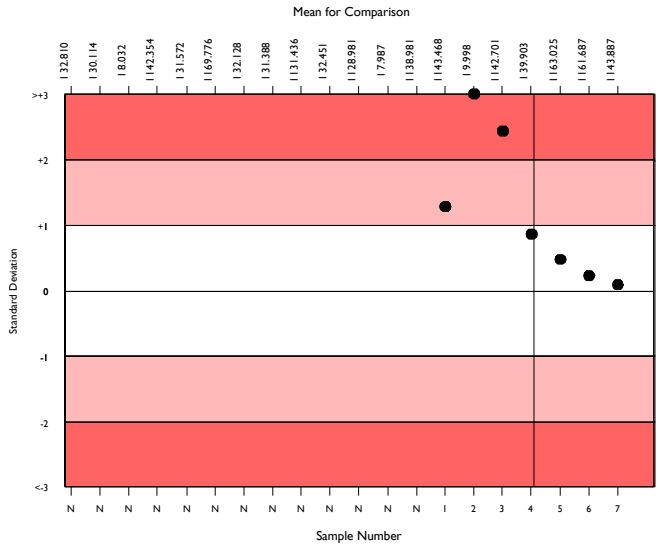
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	7137	135.658	8.9	0.18	12.21	658
Abbott Architect AST 2	39	143.887	6.5	1.88	12.95	3
Abbott Architect c systems	39	143.887	6.5	1.88	12.95	3

Your Result	145.000	SDI	0.09
		RMSDI	Too Few
Mean for Comparison	143.887	TS	120
		RMTS	Too Few
		%DEV	0.8
		RM%DEV	Too Few

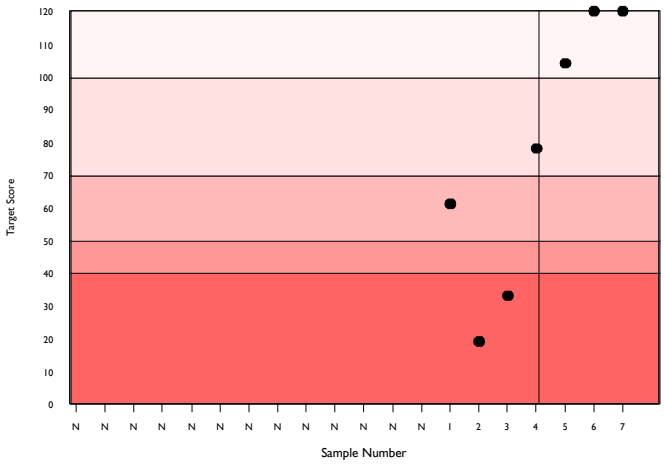
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	14.80%

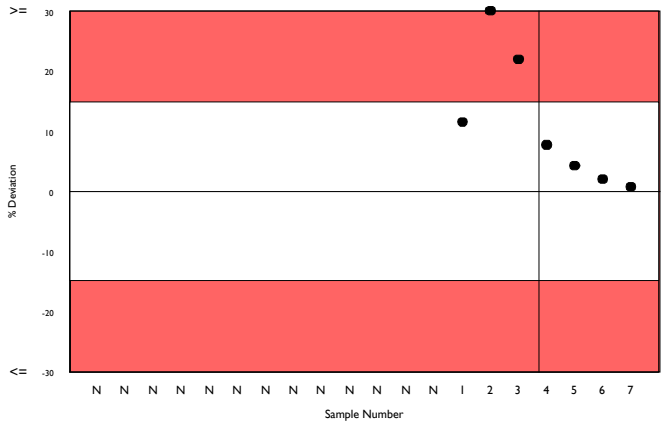


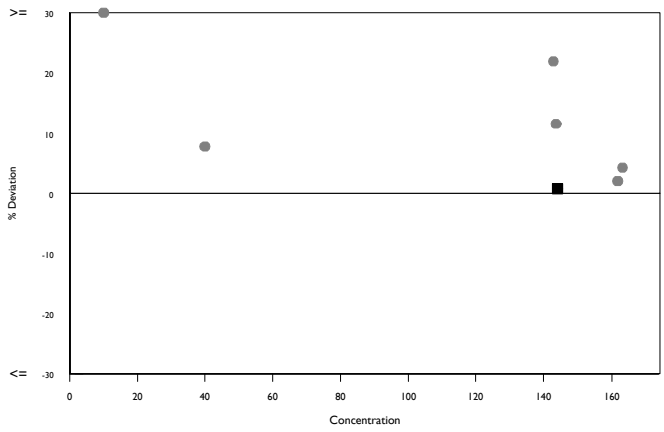
Method	N	Mean	CV%	U_m
Tris buffer without P5P	4701	131.876	7.1	0.17
Beckman Mod. IFCC Ref. without P5P	899	137.646	3.8	0.22
Tris buffer with P5P	693	154.752	10.2	0.75
Ortho Vitros MicroSlide visible	242	172.367	4.8	0.67
Siemens/Dade standard non IFCC corr.	166	157.665	7.2	1.11
Beckman IFCC Ref. with P5P	88	137.909	5.0	0.92
Agappe - IFCC	93	137.204	7.4	1.31
Colorimetric	68	136.383	10.6	2.19
Abbott Alinity AST 2	60	144.578	3.2	0.75
Other Dry Chemistry	62	133.015	2.7	0.57
Abbott Architect AST 2	39	143.887	6.5	1.88
Phosphate buffer, DGKC	25	136.586	7.0	2.37
Tris buffer with P5P, NVKC	23	127.430	11.5	3.83
Tris buffer, SCE	15	131.022	8.3	3.51
Beckman (Extinction Coefficient)	8	137.668	4.9	2.97
MDH - JSCC	4	133.600	11.2	9.35
Vitros DT60/DT60 II/DTSC II	2	142.000	4.0	5.00



TDPA = 14.8%







RIQAS

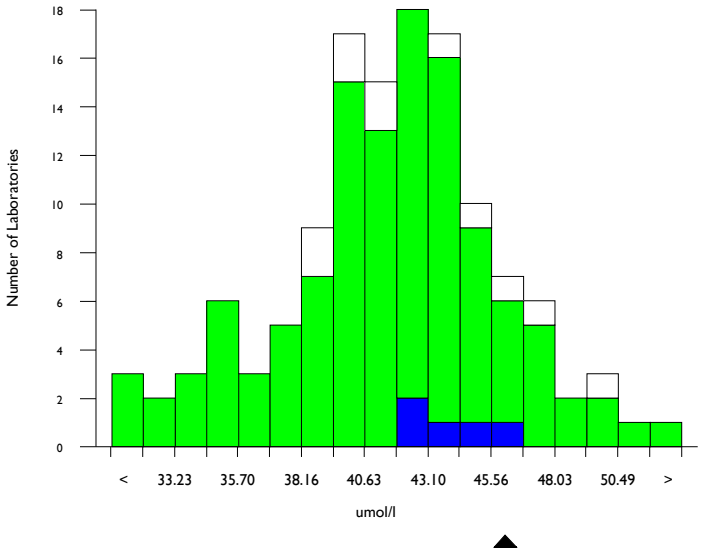
UKAS PROFICIENCY TESTING 0010

Bile Acids, umol/l

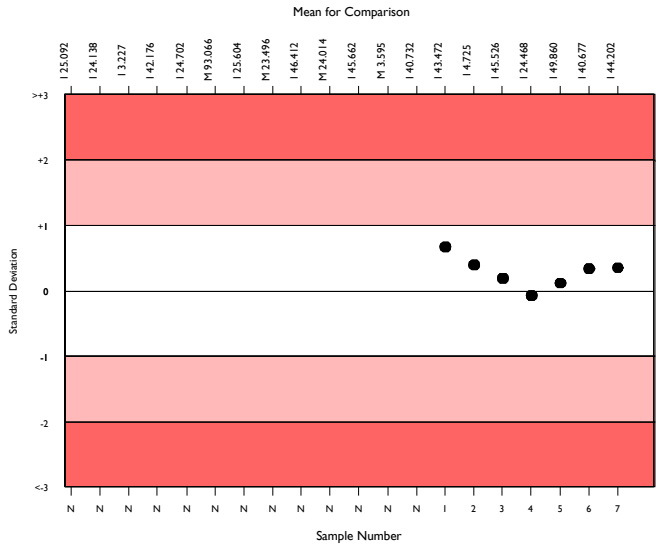
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	116	41.867	7.9	0.38	6.24	12
Enzymatic Colorimetric	107	41.769	8.1	0.41	6.22	10
Abbott Architect c systems	5	44.202	3.5	0.86	6.58	0

▲ Your Result	46.500	SDI	0.35
		RMSDI	Too Few
Mean for Comparison	44.202	TS	117
		RMTS	Too Few
		%DEV	5.2
		RM%DEV	Too Few

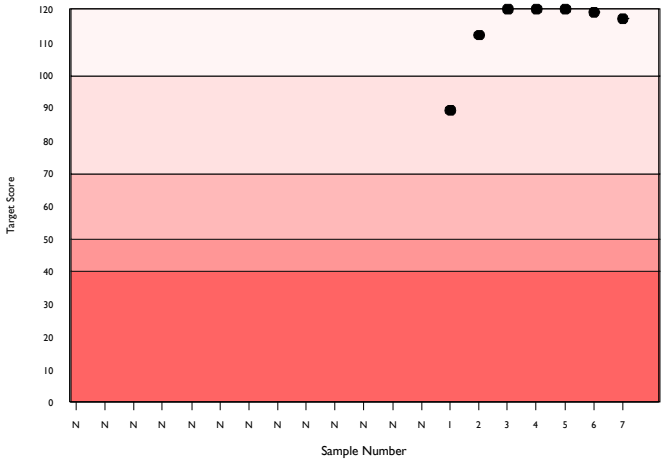
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	24.50%

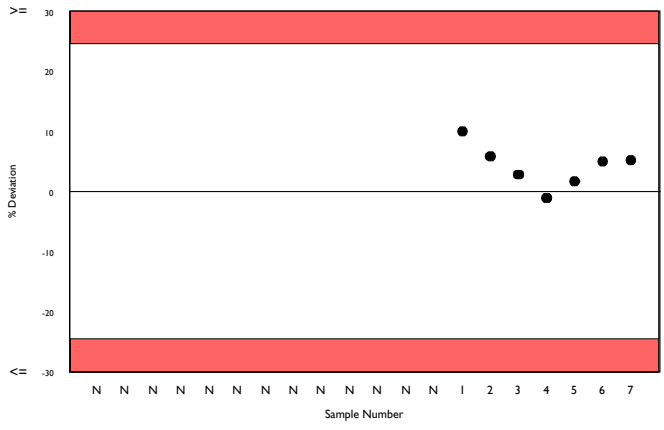


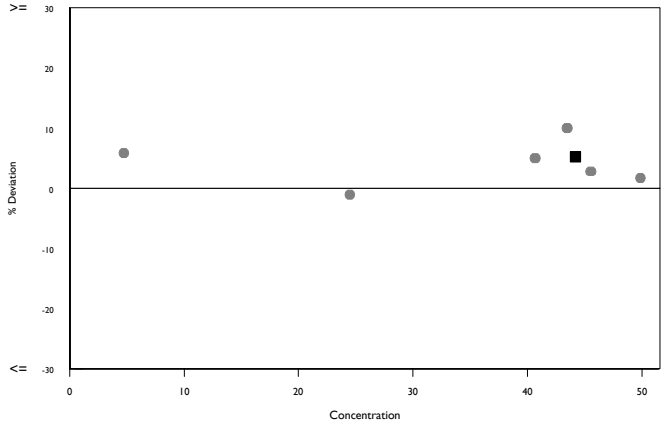
Method	N	Mean	CV%	U_m
Enzymatic Colorimetric	107	41.769	8.1	0.41
Enzymatic Colorimetric - Sentinel	11	42.795	8.7	1.40



TDPA = 24.5%







RIQAS

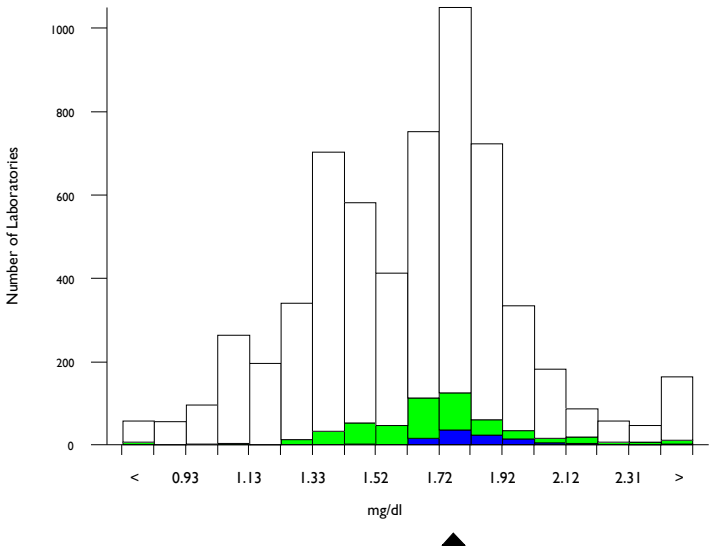
UKAS PROFICIENCY TESTING 0010

Bilirubin, Direct, mg/dl

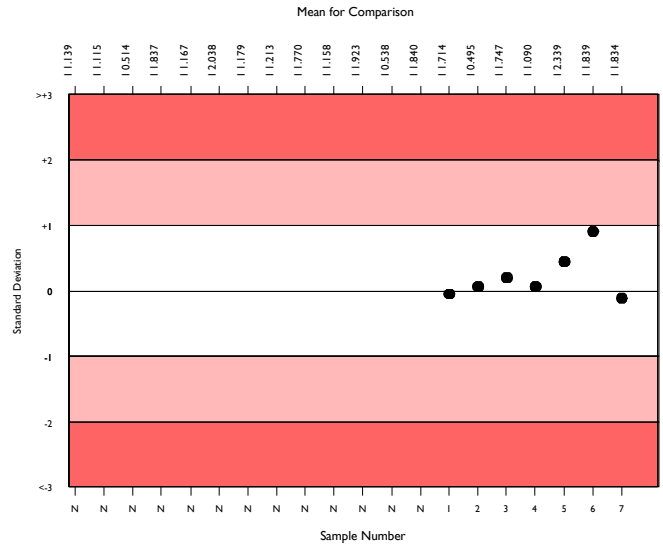
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	5643	1.628	16.2	0.00	0.26	454
Diazo with Dichloroanaline	503	1.717	11.3	0.01	0.27	45
Abbott Architect c systems	95	1.834	5.8	0.01	0.29	10

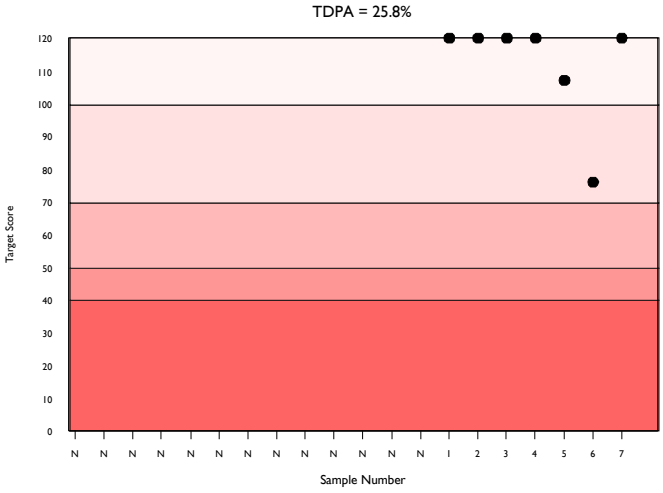
▲ Your Result	1.800	SDI	-0.12
		RMSDI	Too Few
Mean for Comparison	1.834	TS	120
		RMTS	Too Few
		%DEV	-1.8
		RM%DEV	Too Few

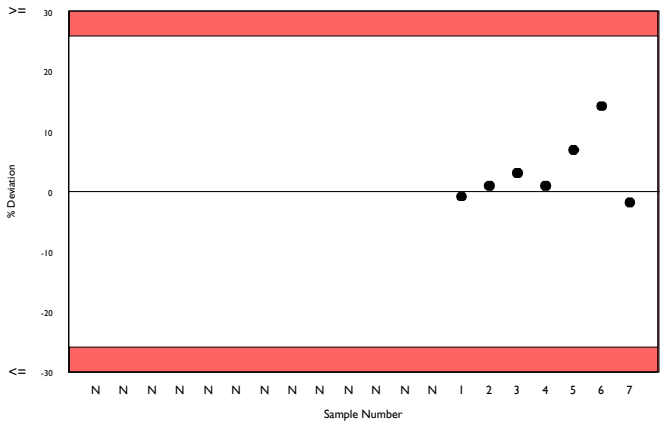
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	25.80%

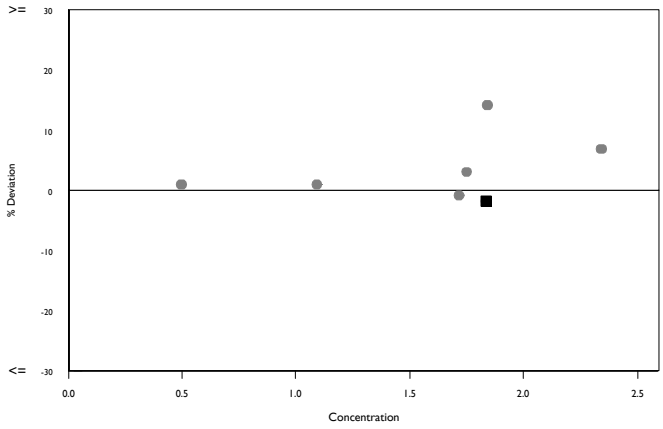


Method	N	Mean	CV%	U_m
Diazo with Sulphanilic Acid	2058	1.644	15.2	0.01
Dichlorophenyl Diazonium	1615	1.589	15.5	0.01
Diazo with Dichloroanaline	503	1.717	11.3	0.01
Oxidation to Biliverdin/Vanadate	376	1.759	7.5	0.01
Roche DPD JG standardised	371	1.841	5.1	0.01
Diazo/ Sulphanilic Siemens Dimension	253	1.110	4.8	0.00
Roche DPD Doumas standardised	206	1.671	10.5	0.02
Diazo/Sulphanilic Beckman DxC	113	1.337	9.2	0.01
Agappe - DIAZO	63	0.996	18.1	0.03
Other Dry Chemistry	50	2.354	6.2	0.03
Direct Spectrophotometry	6	1.663	12.7	0.11
Roche (US calibrator only)	4	1.742	6.5	0.07









RIQAS

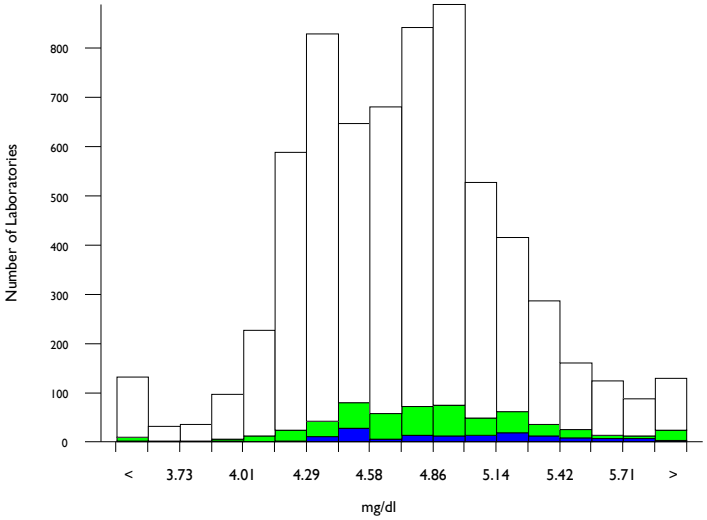
UKAS PROFICIENCY TESTING 0010

Bilirubin, Total, mg/dl

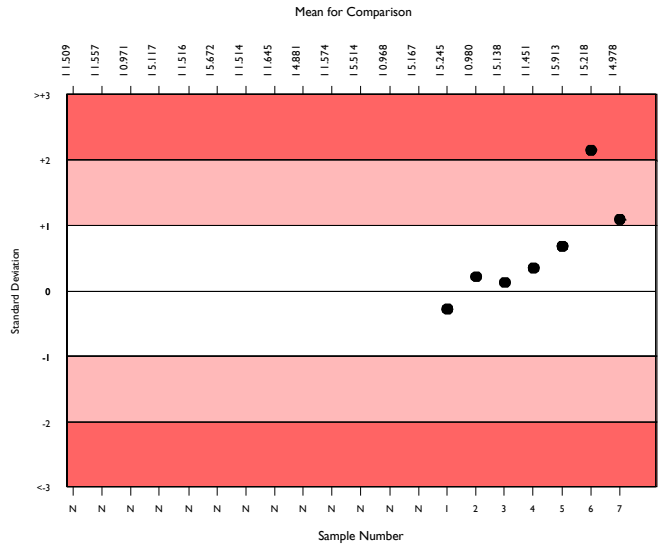
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	6228	4.723	8.0	0.01	0.46	500
Diazo with Dichloroaniline	554	4.851	8.1	0.02	0.47	45
Abbott Architect c systems	135	4.978	8.6	0.05	0.48	6

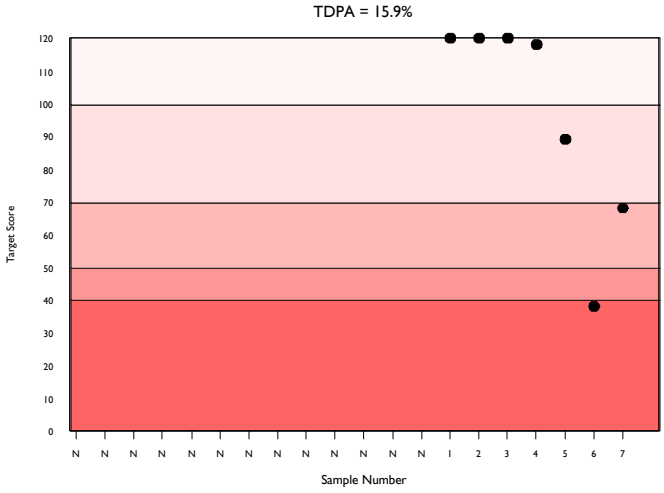
▲ Your Result	5.500	SDI	1.09
		RMSDI	Too Few
Mean for Comparison	4.978	TS	68
		RMTS	Too Few
		%DEV	10.5
		RM%DEV	Too Few

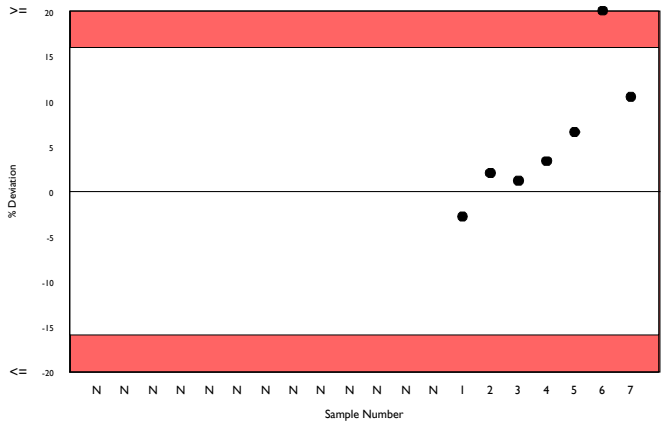
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	15.90%

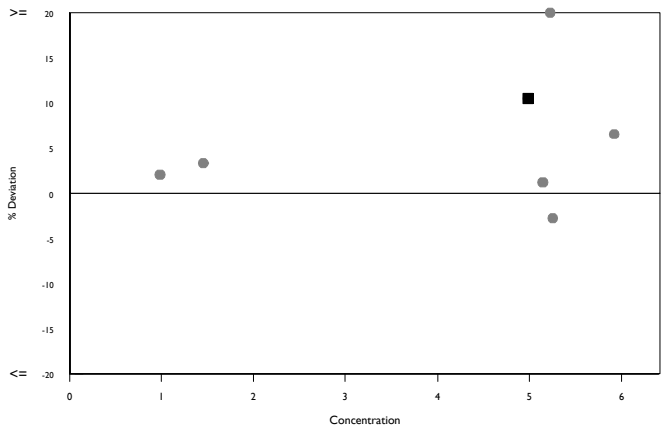


Method	N	Mean	CV%	U_m
Diazo with Sulphanilic Acid	2295	4.817	7.3	0.01
Dichlorophenyl Diazonium	1394	4.513	6.9	0.01
DPD (Beckman AU)	558	4.867	2.9	0.01
Diazonium ion	545	4.454	5.9	0.01
Diazo with Dichloroaniline	554	4.851	8.1	0.02
Oxidation to Biliverdin/Vanadate	411	5.226	6.1	0.02
Ortho Vitros MicroSlide System Total Bil	196	4.346	5.0	0.02
Other Dry Chemistry	57	4.416	4.3	0.03
Agappe - TAB	52	4.679	6.1	0.05
Nitrobenzenediazonium Salt	26	4.556	5.6	0.06
Abbott Alinity Total Bilirubin 2	25	4.707	7.1	0.08
Agappe - DMSO	14	4.755	6.9	0.11
Direct Spectrophotometry	10	4.554	9.0	0.16
Abbott Architect Total Bilirubin 2	11	5.072	11.8	0.23
Vitros DT60/DT60 II Total Bil	5	4.425	11.8	0.29
Assel - DMSO	2	5.200	16.3	0.75









RIQAS

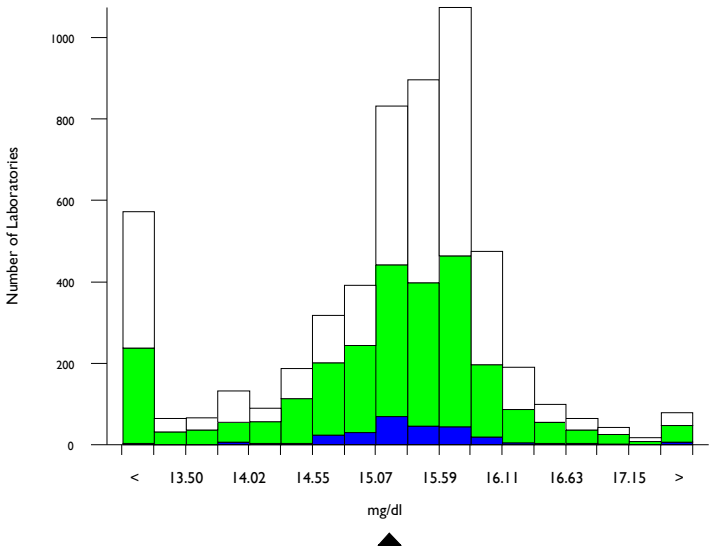
UKAS PROFICIENCY TESTING 0010

Calcium, mg/dl

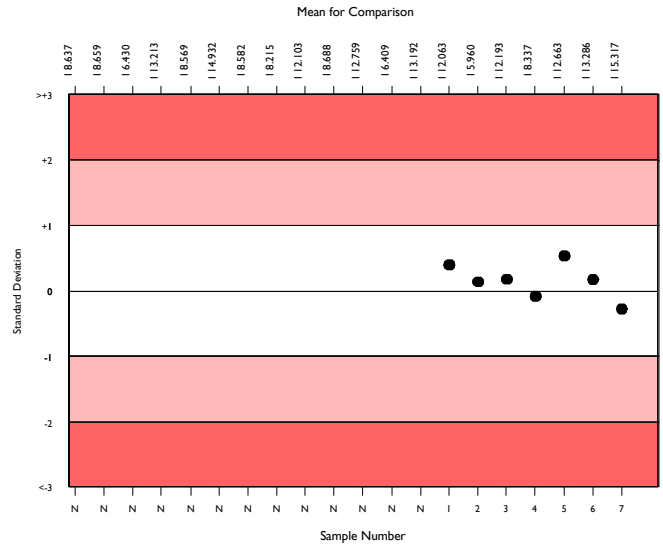
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	4990	15.330	4.5	0.01	0.77	653
Arsenazo	2462	15.290	4.5	0.02	0.77	287
Abbott Architect c systems	243	15.317	2.6	0.03	0.77	29

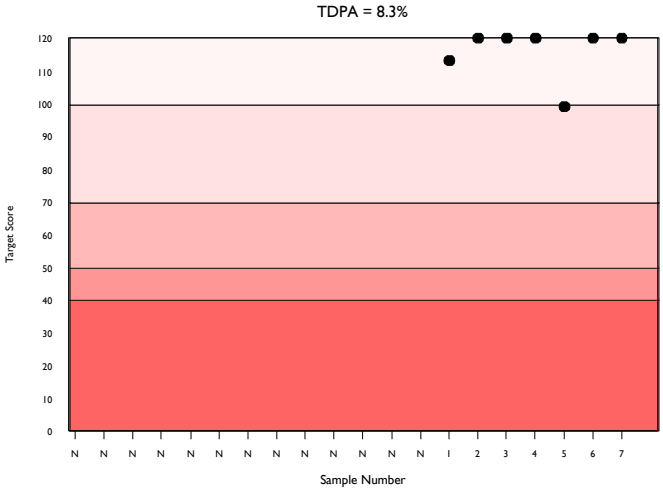
▲ Your Result	15.100	SDI	-0.28
		RMSDI	Too Few
Mean for Comparison	15.317	TS	120
		RMTS	Too Few
		%DEV	-1.4
		RM%DEV	Too Few

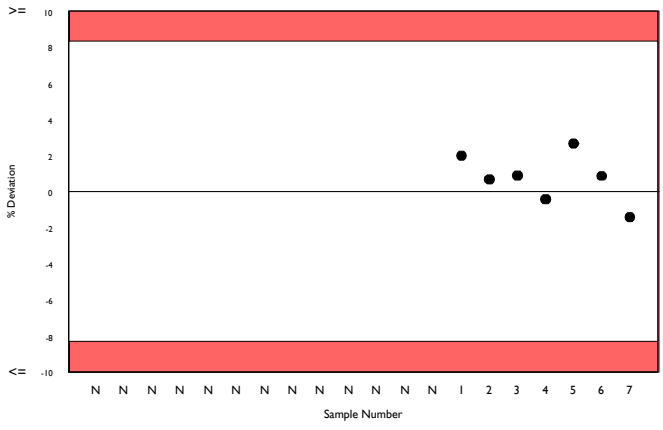
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	8.30%

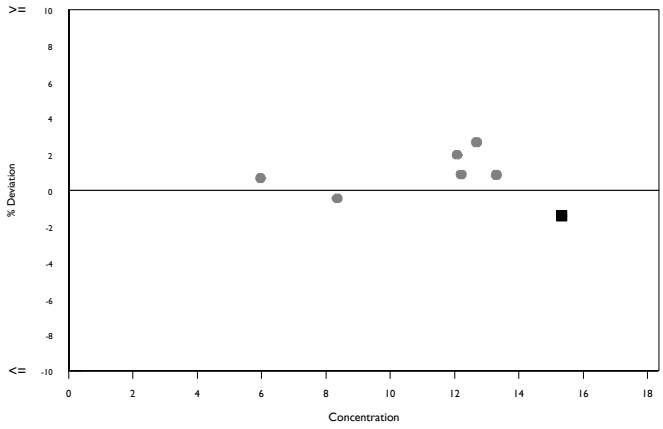


Method	N	Mean	CV%	U_m
Arsenazo	2462	15.290	4.5	0.02
Cresolphthalein complexone	1170	15.068	7.6	0.04
NM-BAPTA	985	15.581	2.0	0.01
Ortho Vitros MicroSlide Systems	201	14.642	4.6	0.06
Ion selective electrode	129	14.955	10.1	0.17
Agappe - ARSENAZO	55	14.191	8.1	0.19
Other Dry Chemistry	35	15.418	2.4	0.08
Phosphonazo	24	15.130	5.8	0.22
Methylthymol blue	14	14.934	4.7	0.24
Atomic absorption	7	15.509	6.2	0.46
Optical Emission Spectroscopy	4	10.923	49.7	3.39
Agappe - OCPC	3	13.093	11.7	1.10









RIQAS

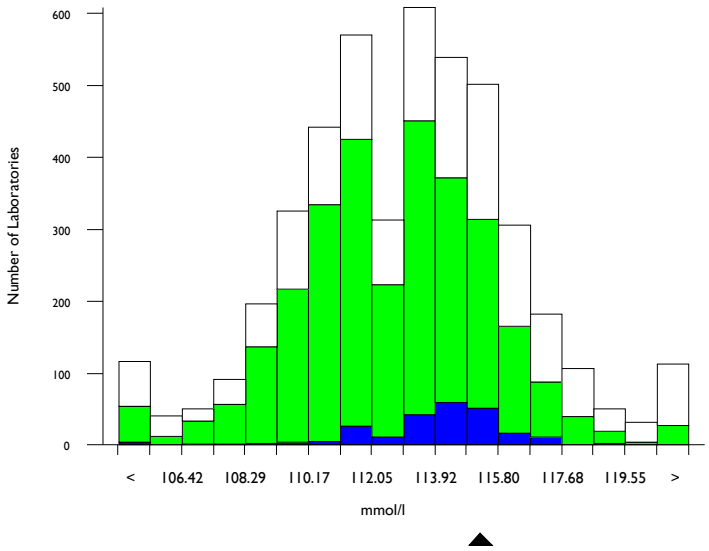
UKAS PROFICIENCY TESTING 0010

Chloride, mmol/l

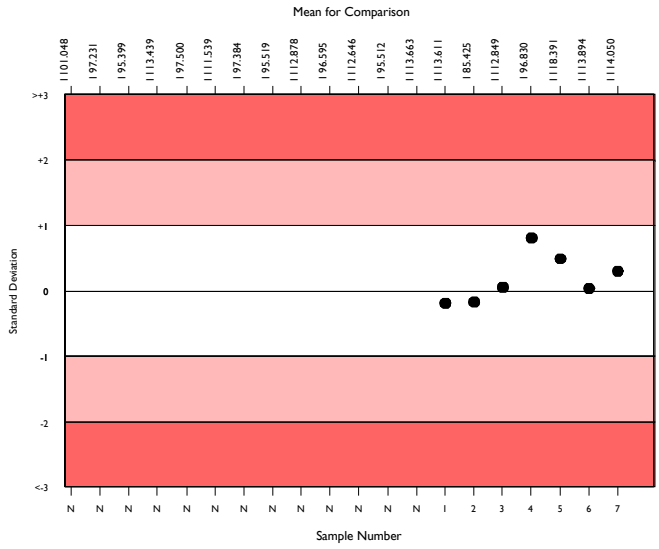
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	4251	112.989	2.2	0.05	3.16	326
ISE, indirect	2771	112.722	1.9	0.05	3.15	193
Abbott Architect c systems	220	114.050	1.2	0.12	3.19	15

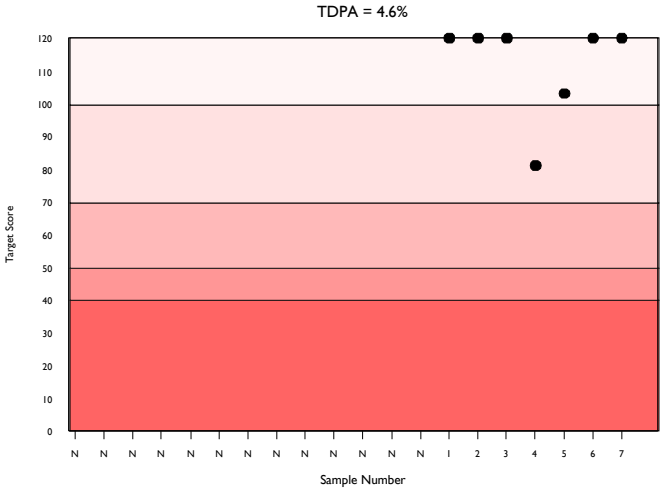
▲ Your Result	115.000	SDI	0.30
		RMSDI	Too Few
Mean for Comparison	114.050	TS	120
		RMTS	Too Few
		%DEV	0.8
		RM%DEV	Too Few

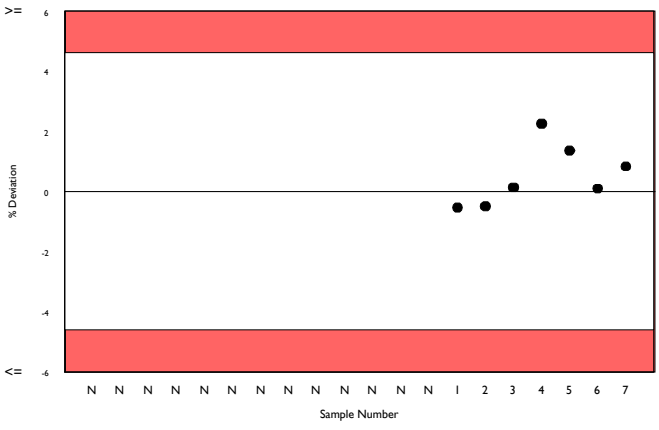
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	4.60%

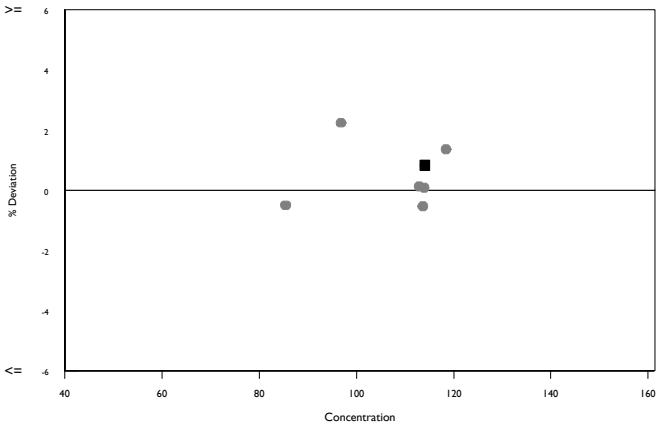


Method	N	Mean	CV%	U_m
ISE, indirect	2771	112.722	1.9	0.05
ISE, direct	1126	113.529	2.8	0.12
Ortho Vitros MicroSlide Systems	154	114.924	1.9	0.22
Colorimetric	121	111.106	3.1	0.40
Other Dry Chemistry	43	113.488	2.3	0.49
Agappe - THIOCYANATE	23	114.957	1.4	0.42
Optical Fluorescence	4	125.175	6.4	5.00









RIQAS

UKAS PROFICIENCY TESTING 0010

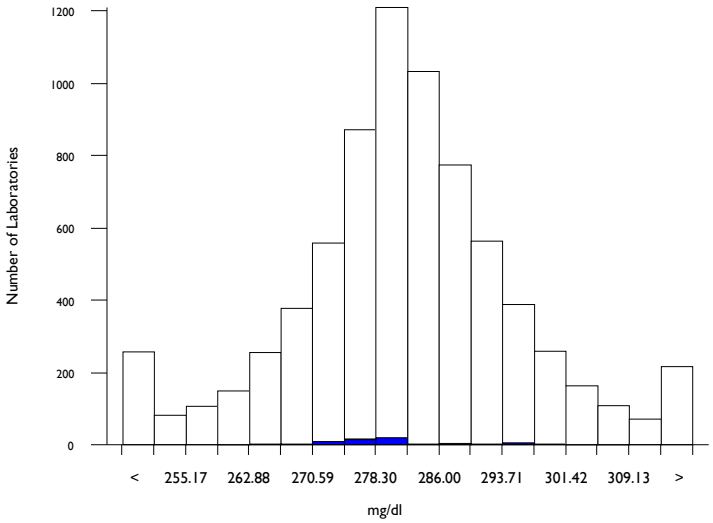
Cholesterol, mg/dl

	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	6790	282.155	3.6	0.15	14.75	656
Abbott Architect Cholesterol 2	64	279.393	2.5	1.11	14.61	6
Abbott Architect c systems	62	279.560	2.6	1.13	14.62	6

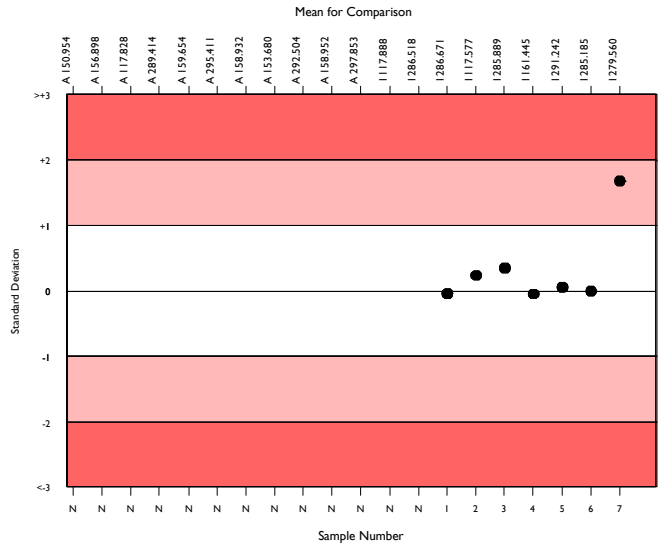
Your Result	304.000	SDI	1.67
		RMSDI	Too Few
Mean for Comparison	279.560	TS	49
		RMTS	Too Few
		%DEV	8.7
		RM%DEV	Too Few

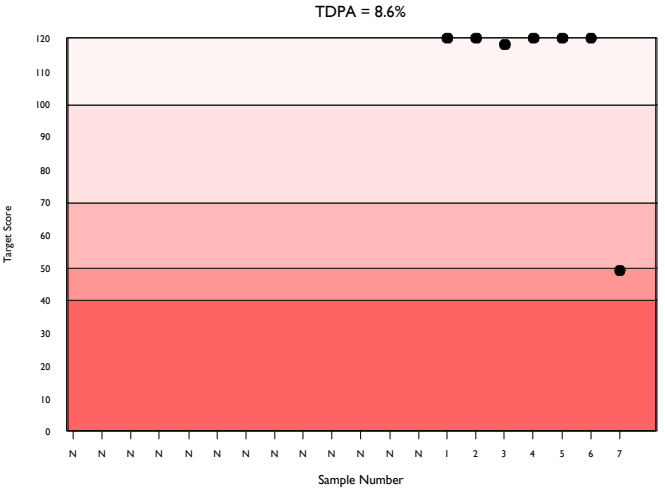
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	8.60%

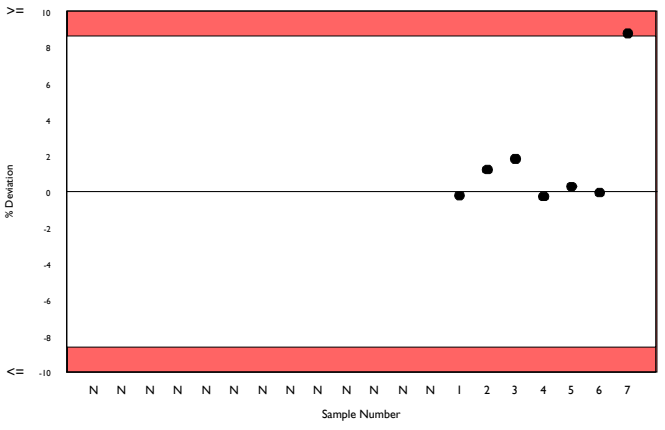
TS & %DEV outside limits

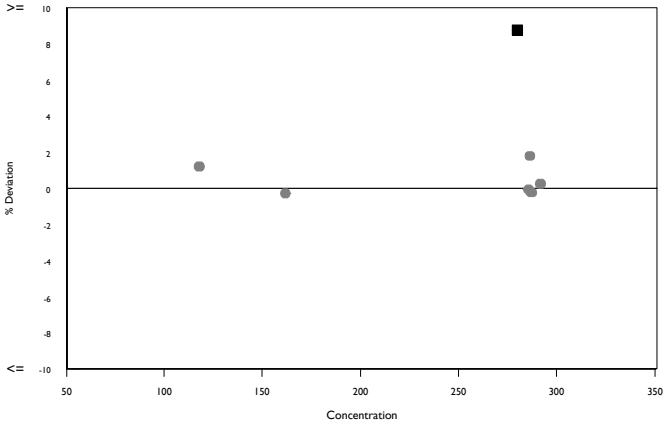


Method	N	Mean	CV%	U_m
Cholesterol Oxidase - Abell Kendall	4833	282.981	3.5	0.17
Cholesterol Oxidase - IDMS	964	284.465	3.3	0.37
Ortho Vitros MicroSlide Systems	243	268.839	3.2	0.69
Siemens Dimension	238	271.432	3.0	0.65
Cholesterol Dehydrogenase	176	283.017	4.2	1.12
Abbott Alinity Cholesterol 2	98	278.867	1.6	0.55
Agappe - CHOD-PAP	87	282.369	3.9	1.48
Abbott Architect Cholesterol 2	64	279.393	2.5	1.11
Other Dry Chemistry	59	264.185	5.4	2.32
Dimension - non Siemens reagents	4	282.288	2.9	5.08









RIQAS

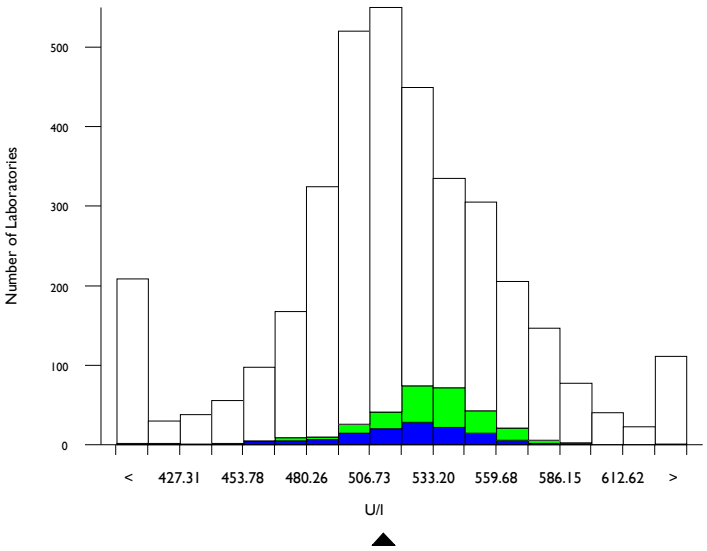
UKAS PROFICIENCY TESTING 0010

CK, Total, U/l @ 37°C

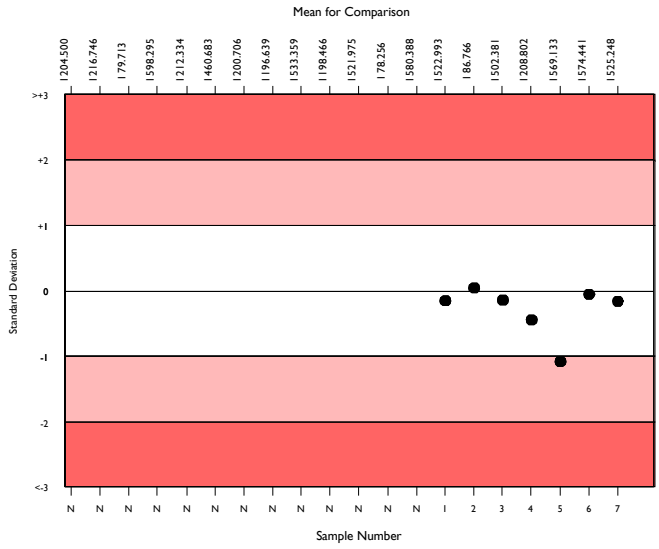
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	3325	519.971	6.8	0.77	37.93	355
Abbott CK-NAC (IFCC)	292	532.034	3.8	1.48	38.81	26
Abbott Architect c systems	120	525.248	4.5	2.70	38.32	10

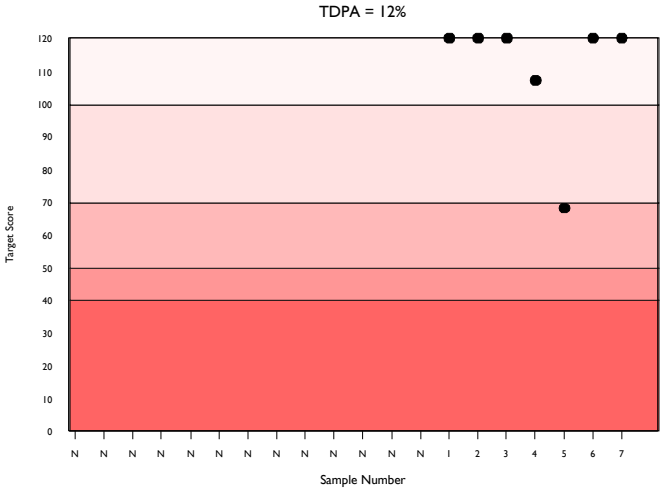
Your Result	519.000	SDI	-0.16
		RMSDI	Too Few
Mean for Comparison	525.248	TS	120
		RMTS	Too Few
		%DEV	-1.2
		RM%DEV	Too Few

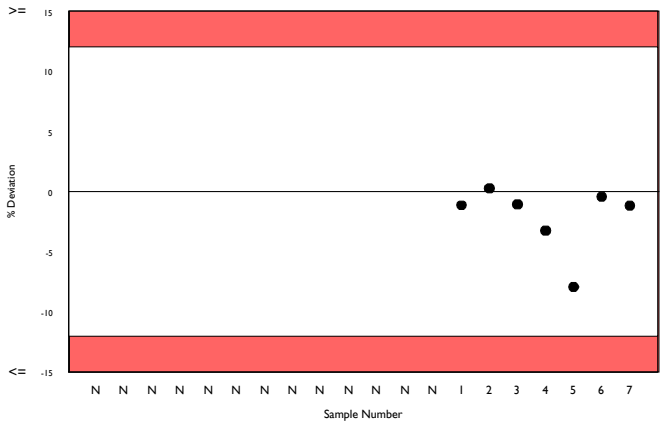
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	12.00%

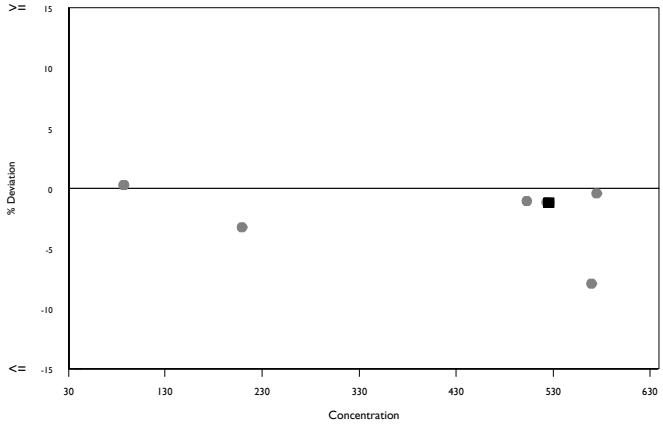


Method	N	Mean	CV%	U_m
CK-NAC (IFCC)	1913	509.690	5.3	0.77
Beckman CK-NAC (IFCC)	456	556.904	3.8	1.25
Abbott CK-NAC (IFCC)	292	532.034	3.8	1.48
CK-NAC substrate start (DGKC)	163	510.688	6.8	3.39
Ortho Vitros MicroSlide Systems	145	390.361	6.4	2.61
Creatine phosphate substrate start	112	511.665	4.9	2.96
CK-NAC serum start (DGKC)	99	513.820	8.6	5.58
Monothioglycerol	51	558.112	4.0	3.93
Agappe - IFCC/KINETIC	37	540.339	5.5	6.16
Other Dry Chemistry	30	702.333	6.8	10.83
Beckman CK-NAC (Extinction Coeff)	18	540.516	7.1	11.34
Dithioerythritol (DTE), IFCC correlated	8	494.013	3.2	7.06
Dithioerythritol (DTE)	2	530.750	0.6	2.94









RIQAS

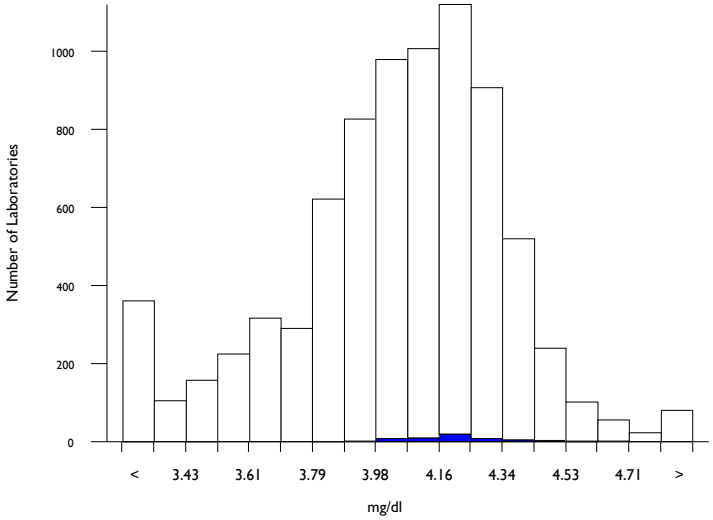
UKAS PROFICIENCY TESTING 0010

Creatinine, mg/dl

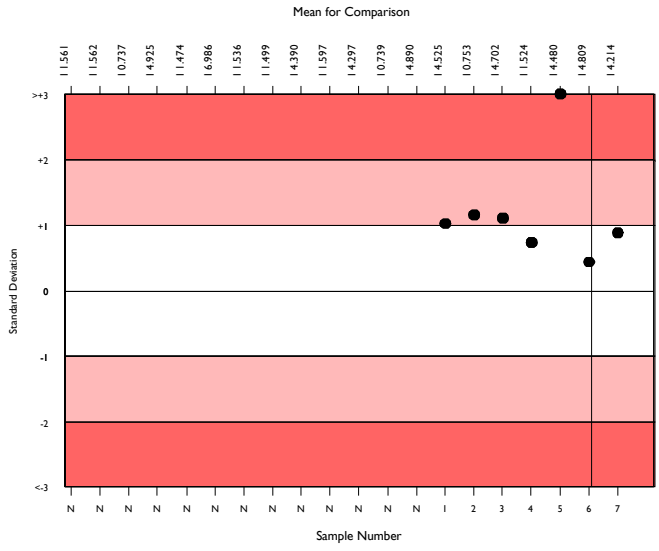
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	7304	4.073	6.0	0.00	0.31	631
Abbott Architect Creatinine 2	60	4.226	3.7	0.03	0.32	5
Abbott Architect c systems	58	4.214	3.4	0.02	0.32	6

Your Result	4.500	SDI	0.88
		RMSDI	Too Few
Mean for Comparison	4.214	TS	77
		RMTS	Too Few
		%DEV	6.8
		RM%DEV	Too Few

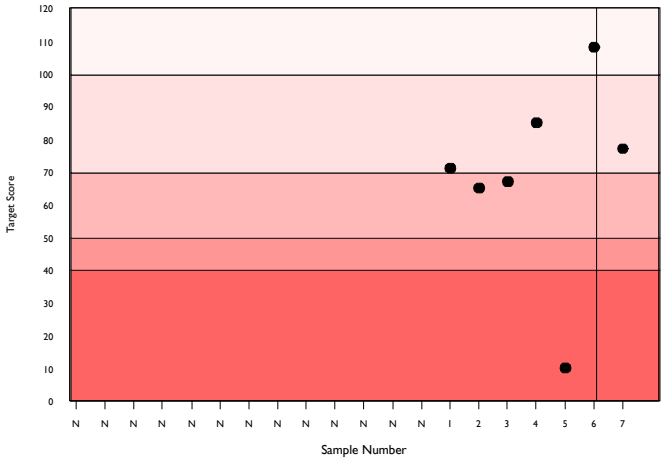
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	12.60%

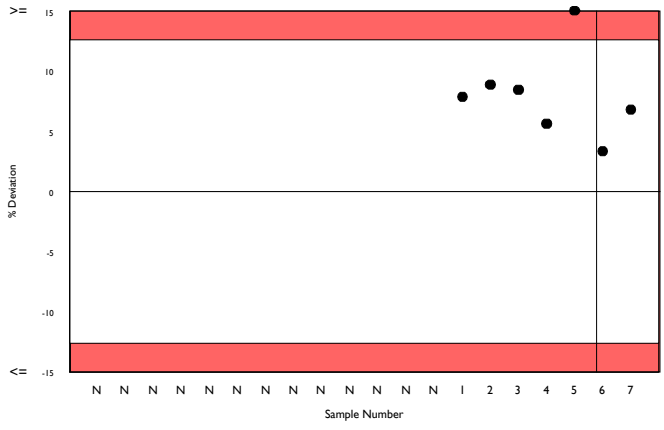


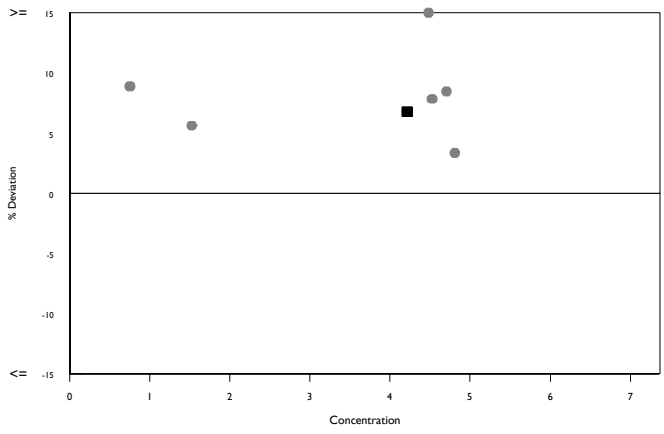
Method	N	Mean	CV%	U_m
Alkaline picrate no deproteinisation	1832	4.039	7.1	0.01
Jaffe rate blanked	1673	3.919	5.8	0.01
Jaffe rate blanked comp. (-26umol/l)	872	4.144	3.5	0.01
Enzymatic UV method (340nm)	389	4.229	4.1	0.01
Jaffe rate comp. (-18umol/l)	380	4.018	4.8	0.01
Roche Creatinine Plus	352	4.248	2.8	0.01
Other enzymatic methods	342	4.256	3.4	0.01
Creatinine PAP method	327	4.212	5.2	0.02
IDMS traceable	327	4.130	4.4	0.01
Vitros, IDMS traceable	174	4.191	3.9	0.02
Alkaline picrate with deproteinisation	169	4.022	5.3	0.02
Other Dry Chemistry	99	3.965	5.6	0.03
Agappe - JAFFE'S KINETIC	60	3.832	5.2	0.03
Abbott Architect Creatinine 2	60	4.226	3.7	0.03
Jaffe rate blanked comp. (-33umol/l)	52	3.779	7.8	0.05
Abbott Alinity Creatinine 2	50	4.260	2.3	0.02
Vitros DT60/DT60 II/DTSC II	35	4.228	4.2	0.04
Agappe - ENZYMATIC	28	4.179	9.3	0.09



TDPA = 12.6%







RIQAS

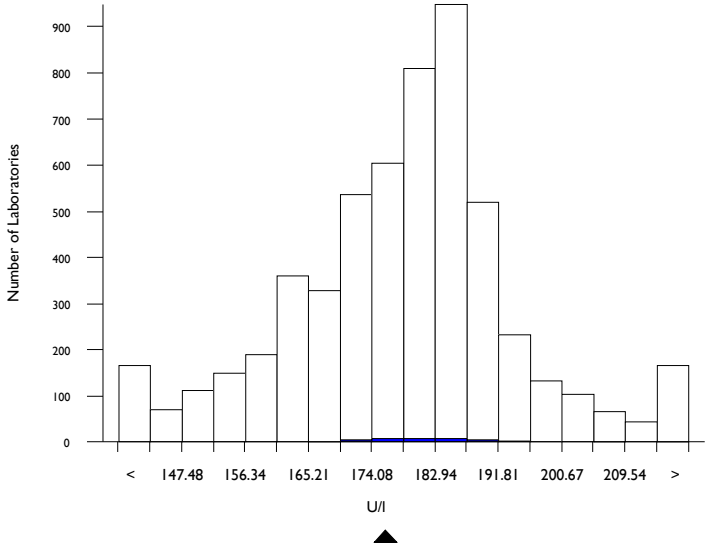
UKAS PROFICIENCY TESTING 0010

GGT, U/l @ 37°C

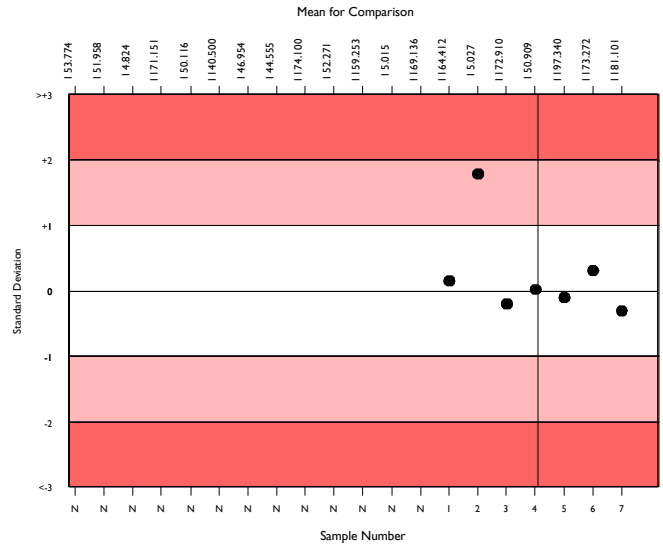
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	5054	178.513	6.6	0.21	19.43	475
Abbott Architect GGT 2	37	181.101	3.5	1.31	19.71	2
Abbott Architect c systems	37	181.101	3.5	1.31	19.71	2

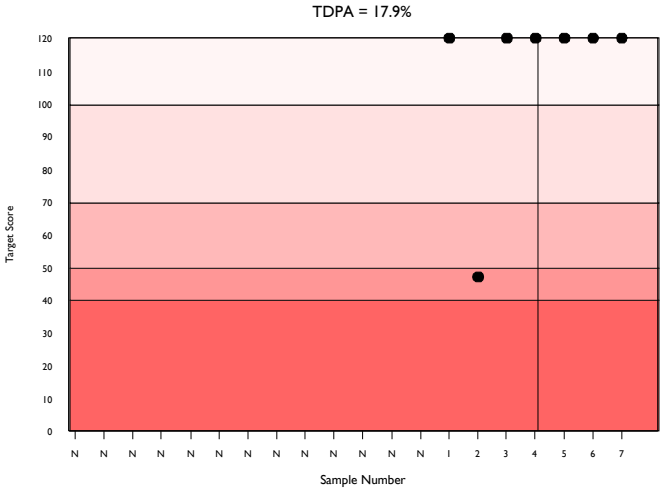
Your Result	175.000	SDI	-0.31
		RMSDI	Too Few
Mean for Comparison	181.101	TS	120
		RMTS	Too Few
		%DEV	-3.4
		RM%DEV	Too Few

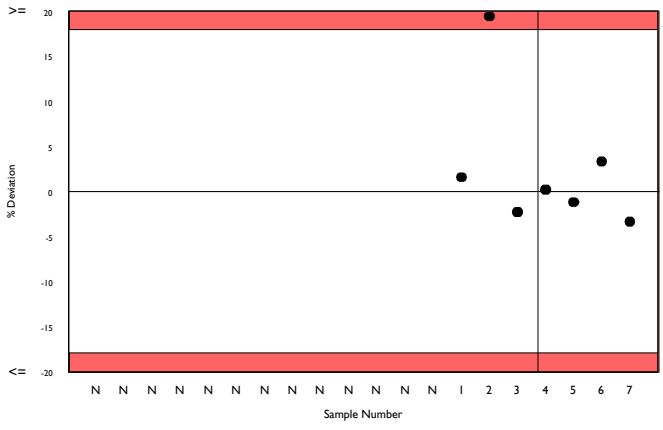
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	17.90%

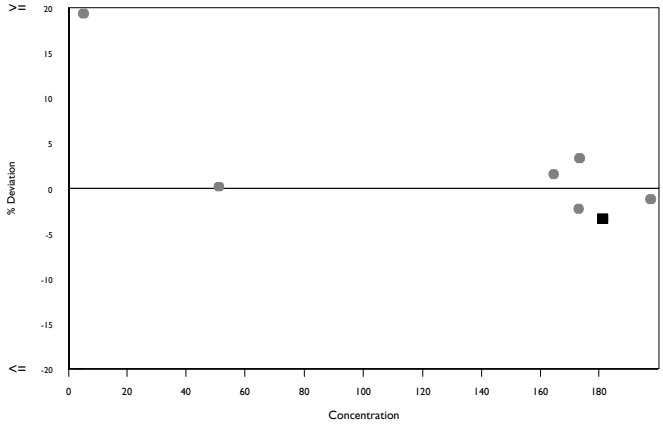


Method	N	Mean	CV%	U_m
Gamma glut'3-carb'4-nitro(IFCC)	3290	179.095	5.3	0.21
Gamma glut.-3-carb.-4-nitro.	899	171.558	7.4	0.53
Ortho Vitros MicroSlide Systems	165	201.172	2.9	0.56
Siemens Dimension	168	208.242	5.9	1.18
Abbott Alinity GGT 2	118	180.692	2.5	0.53
Gamma glutamyl-4-nitroanilide	108	172.750	9.4	1.94
DCL, gamma glut.-3-carb.-4-nitro.	104	174.946	6.1	1.30
Beckman Szasz (Extinction Coeff.)	69	178.350	5.3	1.43
Agappe - SZASZ KINETIC	55	187.922	3.5	1.12
Other Dry Chemistry	43	148.419	4.2	1.19
Abbott Architect GGT 2	37	181.101	3.5	1.31
Randox Colorimetric	6	180.667	6.6	6.05
Vitros, DT60/DT60 II/DTSC II	2	207.370	0.9	1.71









RIQAS

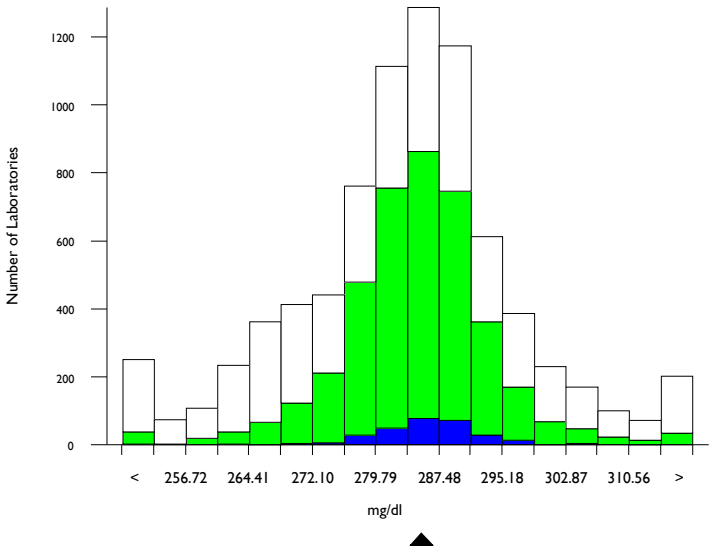
UKAS PROFICIENCY TESTING 0010

Glucose, mg/dl

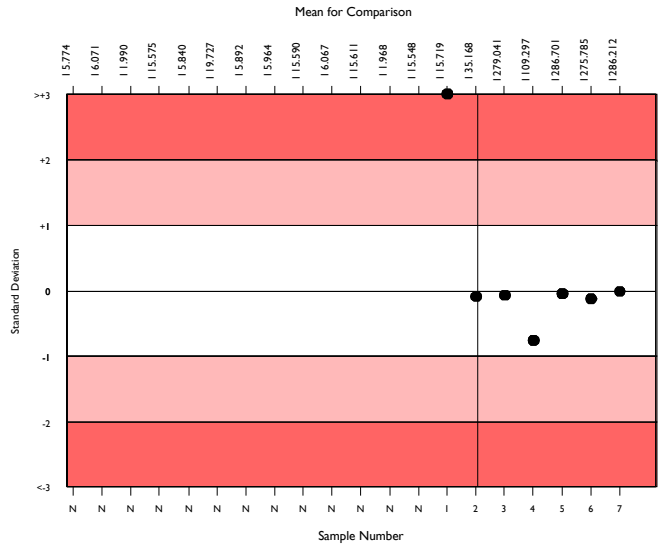
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	7357	283.643	3.6	0.15	14.66	638
Hexokinase	3750	284.803	2.3	0.13	14.72	309
Abbott Architect c systems	275	286.212	1.9	0.41	14.79	20

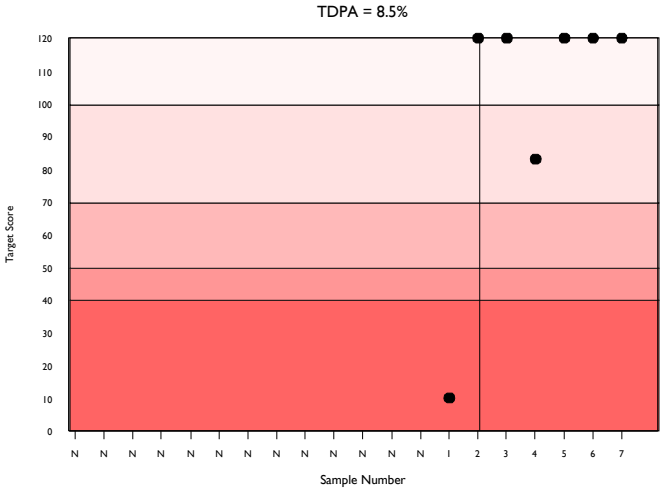
▲ Your Result	286.000	SDI	-0.01
		RMSDI	Too Few
Mean for Comparison	286.212	TS	120
		RMTS	Too Few
		%DEV	-0.1
		RM%DEV	Too Few

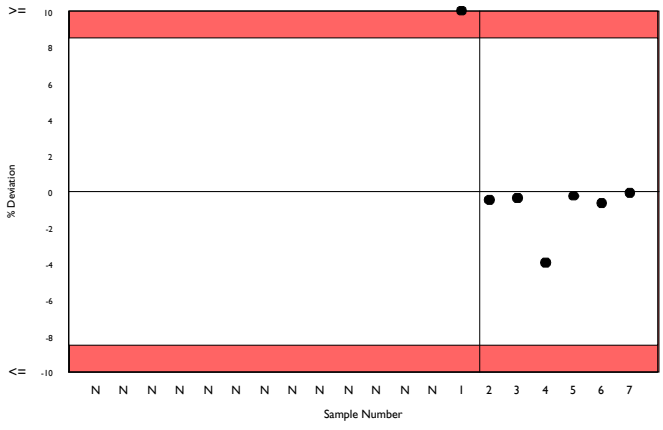
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	8.50%

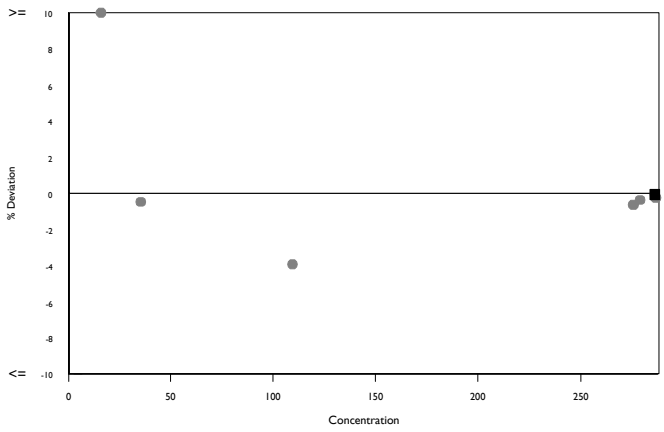


Method	N	Mean	CV%	U_m
Hexokinase	3750	284.803	2.3	0.13
Glucose oxidase	3116	283.354	5.0	0.32
Ortho Vitros MicroSlide Systems	244	268.864	2.6	0.56
Agappe - GOD-PAP	82	290.172	3.9	1.55
Glucose dehydrogenase	78	284.852	4.1	1.65
Other Dry Chemistry	52	263.382	3.1	1.43
GOD/02-Beckman method	40	285.619	3.4	1.93
Oxygen electrode	10	281.179	2.7	2.95
Pyranose Oxidase / Peroxidase	2	299.000	0.9	2.50









RIQAS

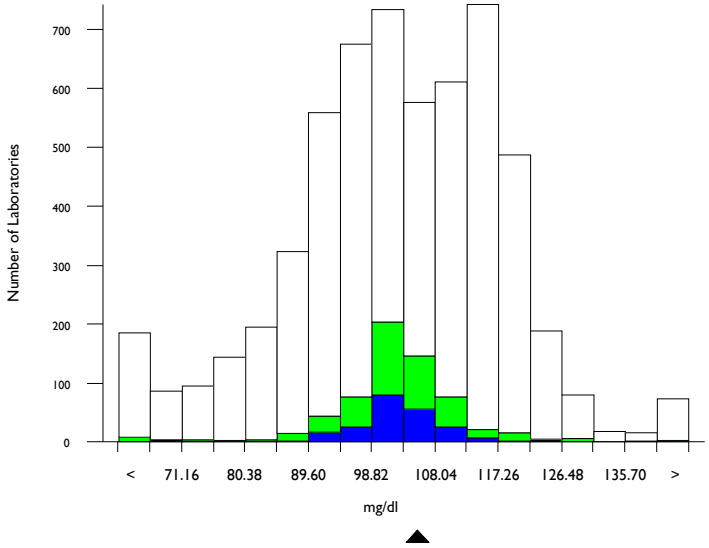
UKAS PROFICIENCY TESTING 0010

HDL-Cholesterol, mg/dl

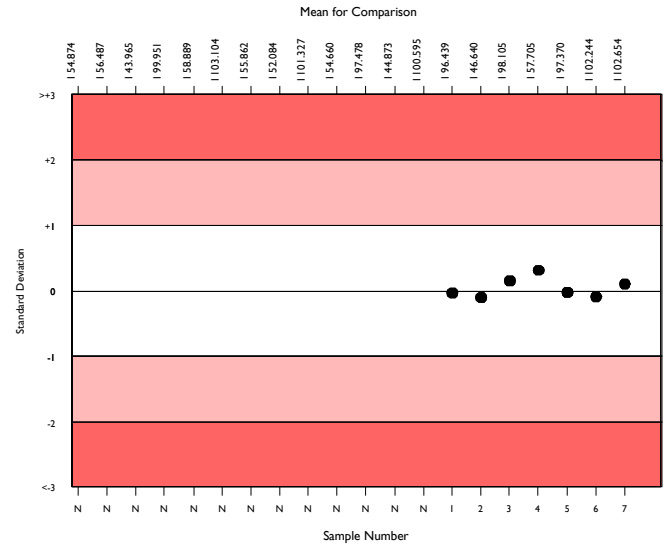
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	5373	103.434	11.9	0.21	13.27	426
HDL Ultra/Accel Selective Detergent	575	102.483	5.6	0.30	13.15	59
Abbott Architect c systems	199	102.654	4.6	0.42	13.17	16

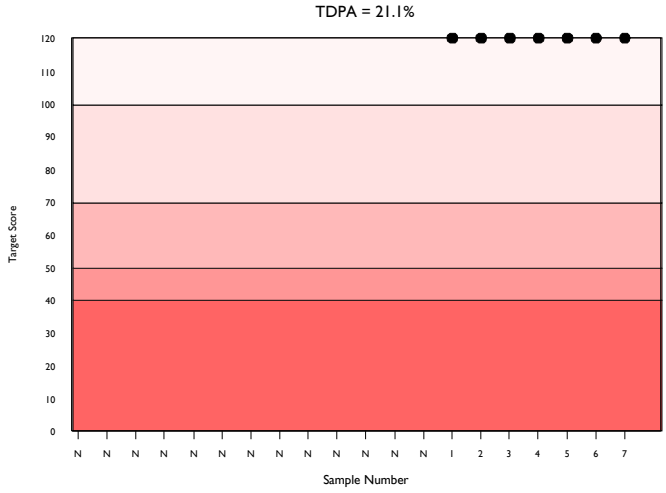
Your Result	104.000	SDI	0.10
		RMSDI	Too Few
Mean for Comparison	102.654	TS	120
		RMTS	Too Few
		%DEV	1.3
		RM%DEV	Too Few

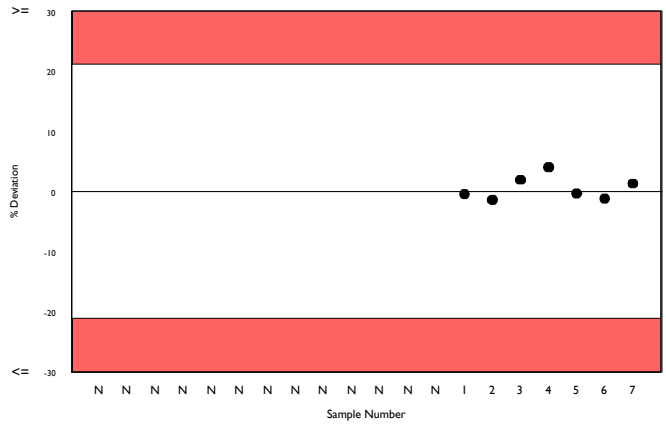
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	21.10%

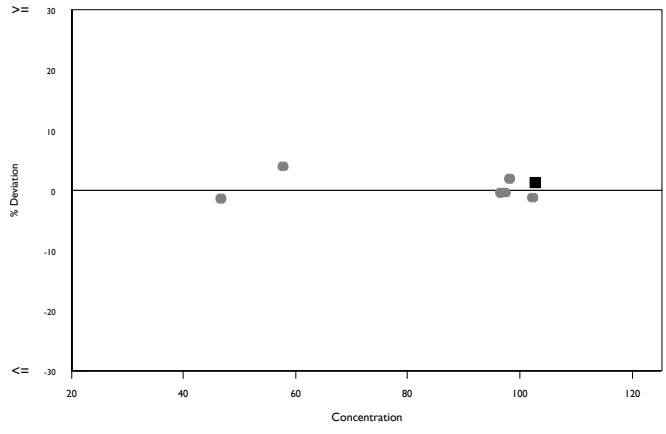


Method	N	Mean	CV%	U_m
Direct HDL, Roche 4th gen.	1381	115.078	4.3	0.16
Direct HDL, Clearance method	1115	93.547	14.1	0.49
Direct HDL, Immunoseparation	935	95.883	8.1	0.32
HDL Ultra/Accel Selective Detergent	575	102.483	5.6	0.30
Direct HDL, PEGME	540	100.308	16.9	0.91
Direct HDL, PPD	375	102.774	10.5	0.69
Vitros dHDL, PTA/MgCl2 direct precip.	183	96.495	6.0	0.53
Other Dry Chemistry	60	102.449	9.1	1.50
Agappe - SELECTIVE INHIBITION	70	115.517	5.7	0.99
Vitros, Magnetic HDL	25	96.635	5.7	1.37
Vitros 5.1 FS Microtip assay	12	93.677	4.5	1.51









RIQAS

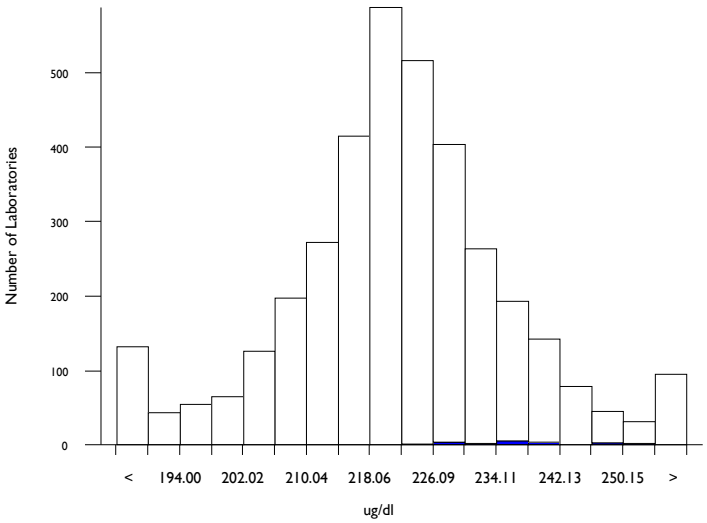
UKAS PROFICIENCY TESTING 0010

Iron, ug/dl

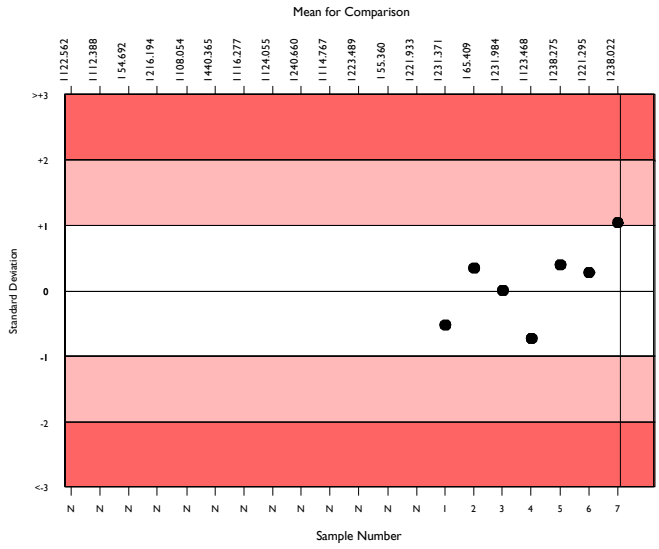
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	3356	222.080	4.8	0.23	13.50	301
Abbott Architect Iron 2	21	238.022	3.5	2.27	14.47	0
Abbott Architect c systems	21	238.022	3.5	2.27	14.47	0

Your Result	253.000	SDI	1.04
		RMSDI	Too Few
Mean for Comparison	238.022	TS	70
		RMTS	Too Few
		%DEV	6.3
		RM%DEV	Too Few

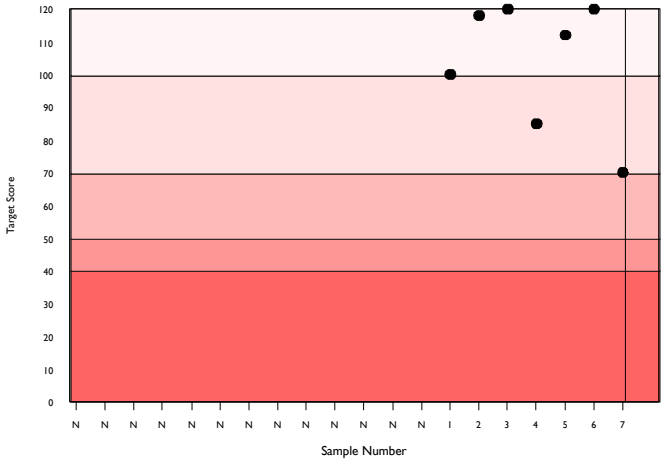
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	10.00%

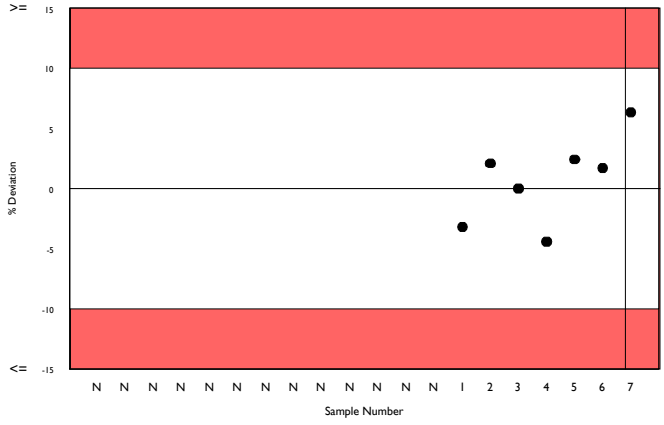


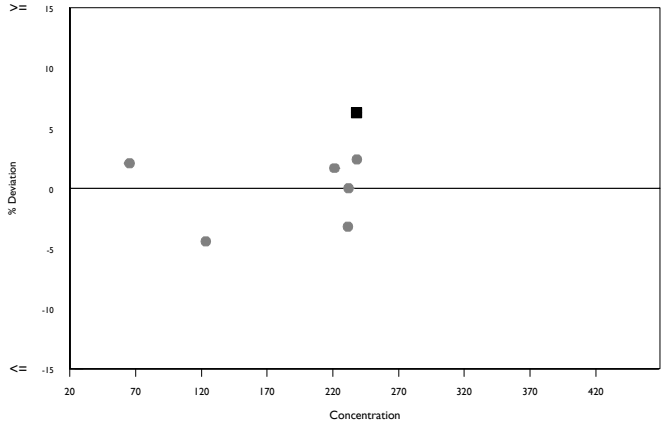
Method	N	Mean	CV%	U_m
Colorimetric without ppt.	2639	222.670	4.4	0.24
Colorimetric with ppt.	407	220.143	4.9	0.67
Ortho Vitros MicroSlide Systems	159	205.477	6.2	1.27
Abbott Alinity Iron 2	42	235.817	1.7	0.77
Other method with blank	27	222.787	4.7	2.54
Agappe - CHROMAZUROL	20	240.880	1.8	1.21
Abbott Architect Iron 2	21	238.022	3.5	2.27
Other method without blank	12	220.598	3.5	2.75
Optical Emission Spectroscopy	11	213.460	7.1	5.73
Other Dry Chemistry	11	224.293	5.1	4.32
Vitros DT60/DT60 II/DTSC II	2	212.898	1.4	2.63



TDPA = 10%







RIQAS

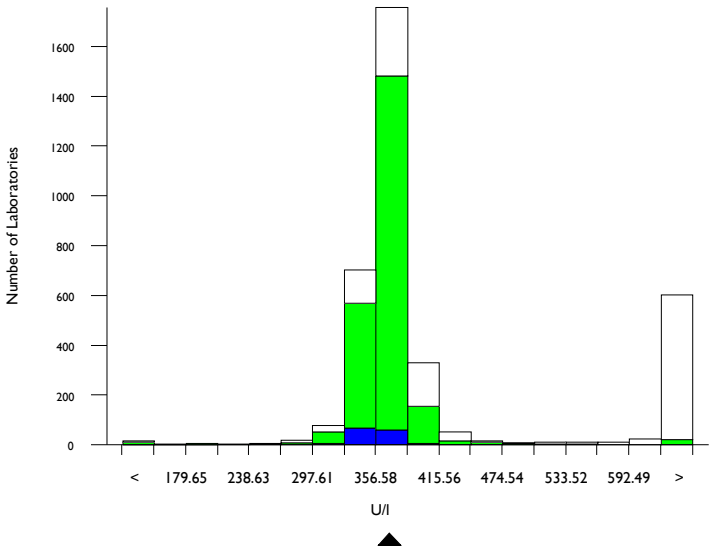
UKAS PROFICIENCY TESTING 0010

LD (LDH), U/l @ 37°C

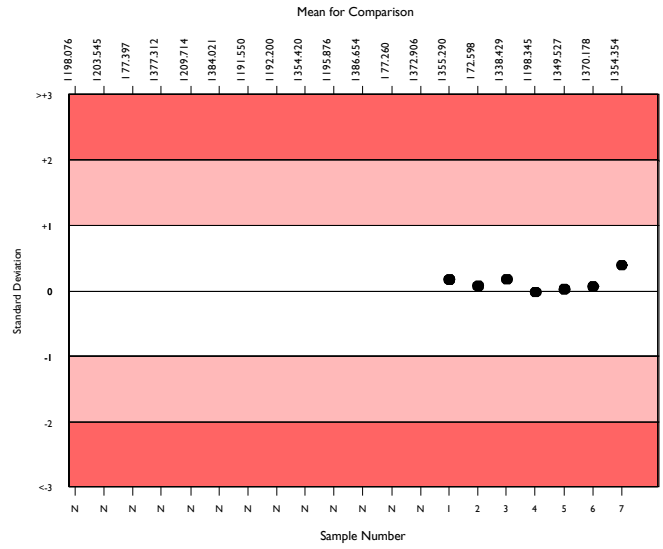
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	3207	386.077	20.4	1.74	30.04	448
L to P, IFCC	2129	364.131	3.5	0.35	28.34	213
Abbott Architect c systems	127	354.354	3.2	1.26	27.58	13

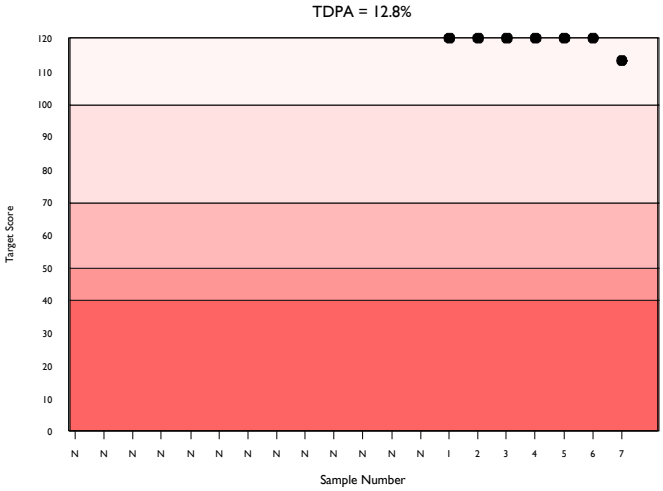
Your Result	365.000	SDI	0.39
		RMSDI	Too Few
Mean for Comparison	354.354	TS	113
		RMTS	Too Few
		%DEV	3.0
		RM%DEV	Too Few

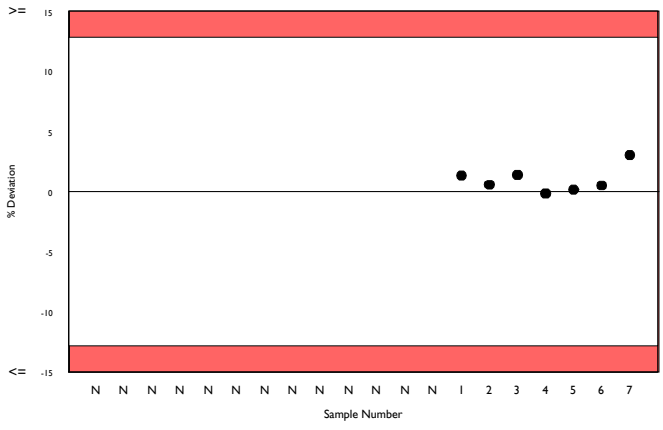
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	12.80%

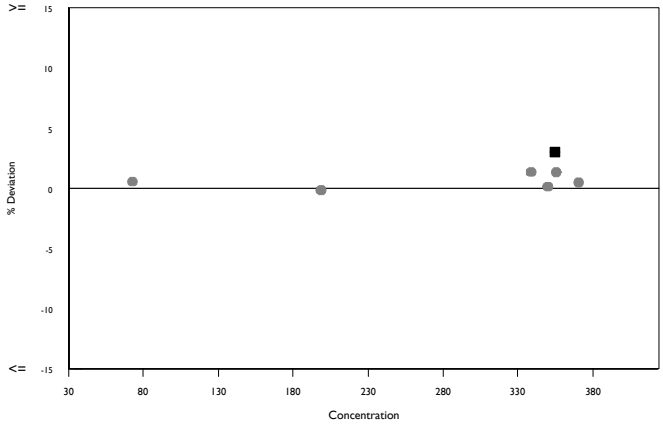


Method	N	Mean	CV%	U_m
L to P, IFCC	2129	364.131	3.5	0.35
P to L, German methods	334	713.363	8.1	3.96
Lactate to Pyruvate methods	225	362.702	5.1	1.54
Ortho Vitros IFCC Traceable	106	403.078	3.4	1.64
P to L, Scandinavian & Dutch	99	737.238	10.0	9.30
P to L, SFBC / SEQC	96	717.914	8.1	7.41
L to P Siemens/Dade, Non-IFCC	62	353.158	4.3	2.41
L to P Beckman (Extinction Coeff)	56	369.919	4.9	3.01
Ortho Vitros MicroSlide Systems	52	400.827	3.3	2.28
Agappe - SCE	32	755.594	2.6	4.29
Abbott Alinity LD 2	37	357.446	3.5	2.54
Other Dry Chemistry	27	384.074	4.4	4.09
Abbott Architect LD 2	21	360.727	3.8	3.74
Pyruvate 1.4 mM - Beckman LD-P	7	351.386	9.5	15.79









RIQAS

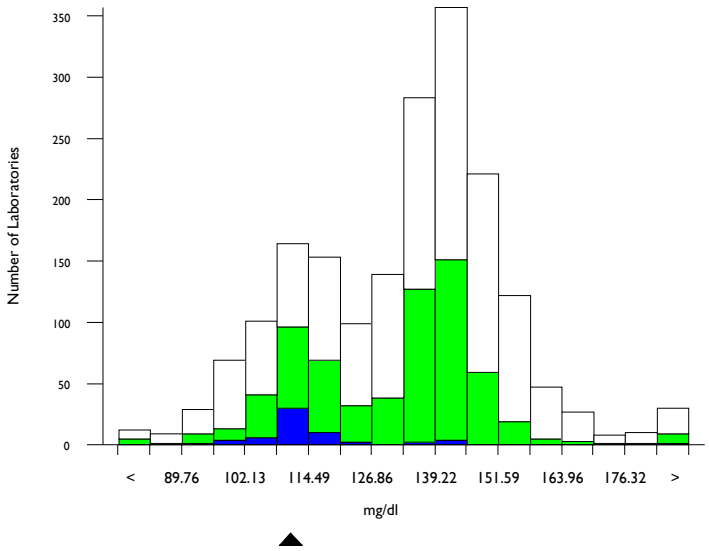
UKAS PROFICIENCY TESTING 0010

LDL-Cholesterol (Pilot), mg/dl

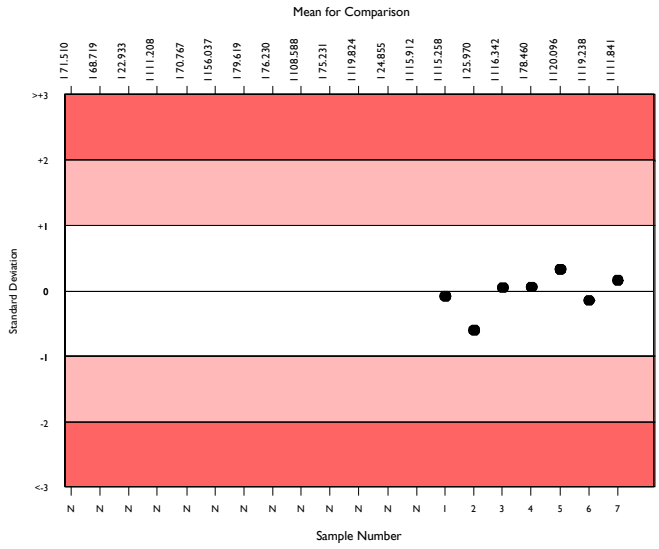
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	1782	133.046	12.4	0.48	16.66	99
Selective detergent methods	649	130.123	11.4	0.72	16.30	30
Abbott Architect c systems	52	111.841	4.4	0.85	14.00	8

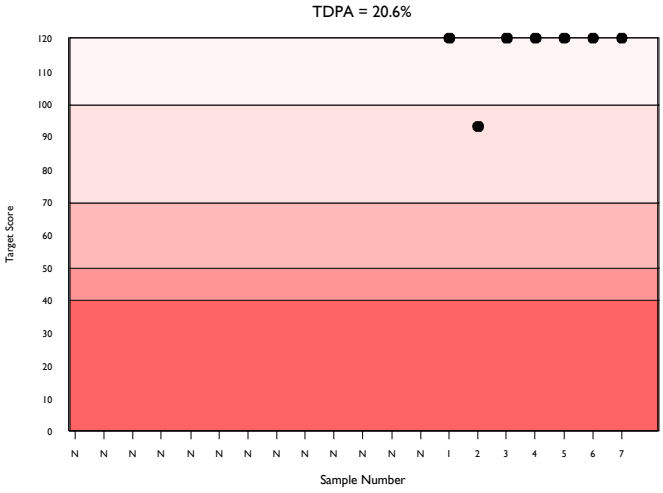
▲ Your Result	114.000	SDI	0.15
		RMSDI	Too Few
Mean for Comparison	111.841	TS	120
		RMTS	Too Few
		%DEV	1.9
		RM%DEV	Too Few

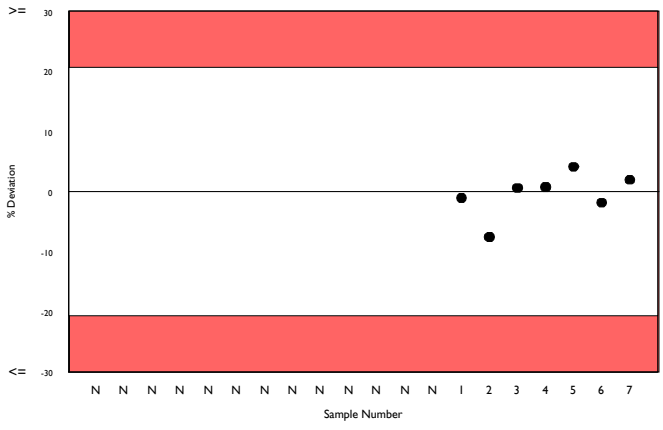
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	20.60%

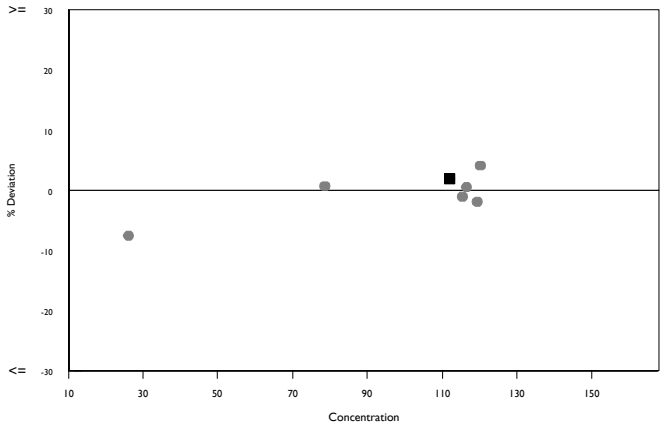


Method	N	Mean	CV%	U_m
Selective detergent methods	649	130.123	11.4	0.72
Other direct methods	619	134.367	10.9	0.73
Sel.detergent Beckman OSR6x83	207	148.868	5.6	0.72
Calculated	145	127.283	12.8	1.69
Sel.detergent Beckman OSR6x96	38	113.044	18.2	4.17
Ortho Vitros MicroSlide Systems	29	100.929	4.0	0.94
Agappe - SELECTIVE SOLUBILISATION	22	147.415	4.4	1.74
Other Precipitation methods	17	125.827	13.7	5.21
Polyvinyl Sulphate Precipitation	15	142.502	10.5	4.81
Other Dry Chemistry	13	128.236	27.6	12.29
Siemens Atellica LDLC	7	110.980	3.9	2.02
Heparin precipitation	6	128.666	19.0	12.44
Zwitterionic Detergent	3	125.641	15.7	14.24









RIQAS

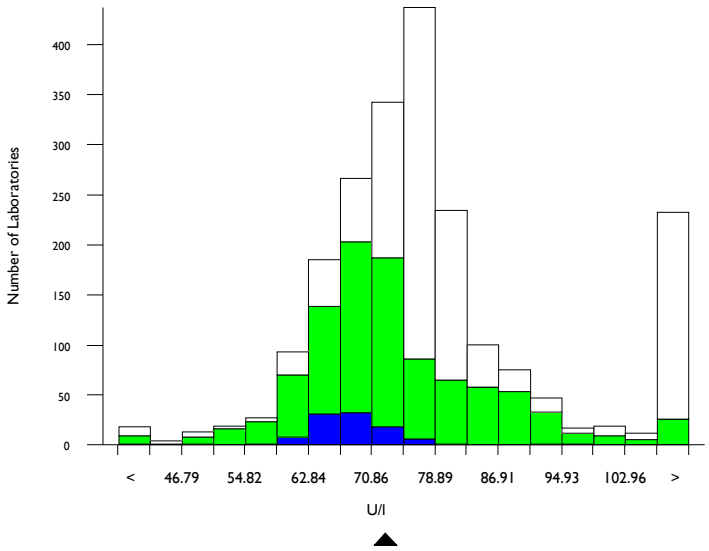
UKAS PROFICIENCY TESTING 0010

Lipase, U/l @ 37°C

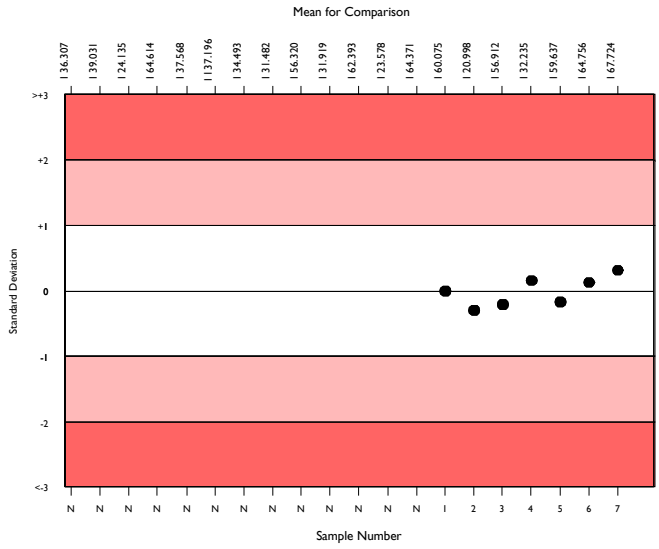
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	1932	74.881	14.3	0.30	11.70	213
Other Colorimetric	919	72.085	12.0	0.36	11.26	83
Abbott Architect c systems	90	67.724	5.1	0.46	10.58	11

▲ Your Result	71.000	SDI	0.31
		RMSDI	Too Few
Mean for Comparison	67.724	TS	120
		RMTS	Too Few
		%DEV	4.8
		RM%DEV	Too Few

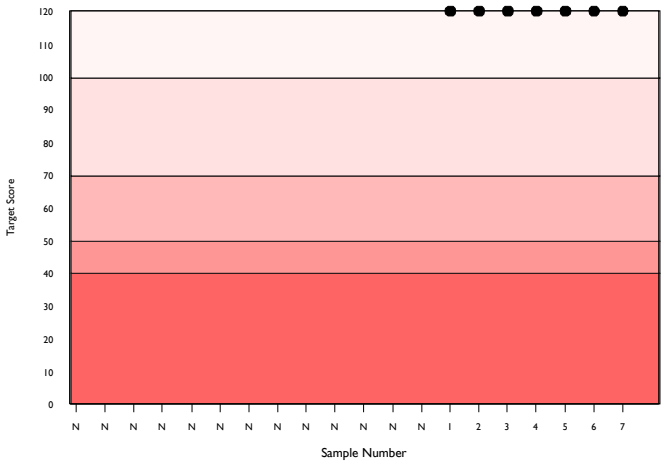
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	25.70%

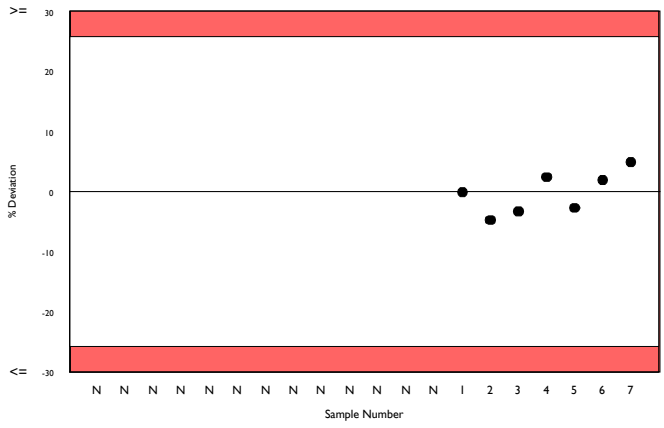


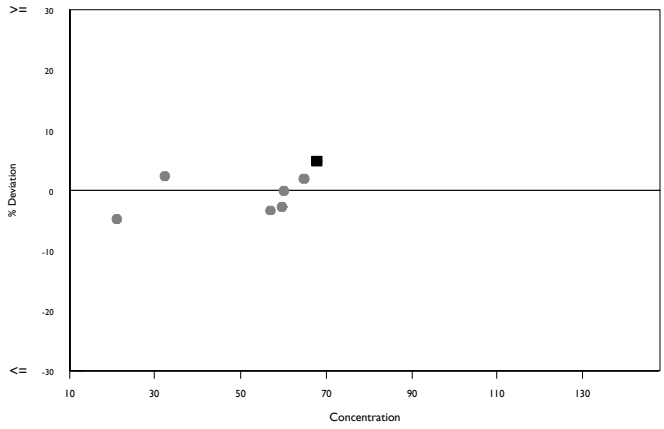
Method	N	Mean	CV%	U_m
Other Colorimetric	919	72.085	12.0	0.36
Colorimetric Roche ACN(8)731/ID 0-100	371	76.591	4.8	0.24
Colorimetric Roche ACN(8)789/ID 0-052	258	76.856	4.2	0.25
Ortho Vitros MicroSlide Systems	119	827.065	7.4	7.06
Colorimetric Randox	56	94.639	15.1	2.39
Roche Turbidimetric with colipase	52	76.908	5.1	0.68
Colorimetric Dimension (LIPL Kit)	44	223.810	36.2	15.27
Agappe - METHYL RESORUFIN	37	66.740	8.5	1.16
Colorimetric Dimension (LIP Kit)	27	75.217	5.8	1.04
Other Turbidimetric with colipase	26	73.138	9.4	1.69
Other Dry Chemistry	8	79.339	30.9	10.84
Turbidimetric without colipase	7	66.116	8.4	2.62
Randox Turbidimetric with colipase	7	68.833	24.6	8.01
Colorimetric Sigma	2	65.550	35.5	20.56



TDPA = 25.7%







RIQAS

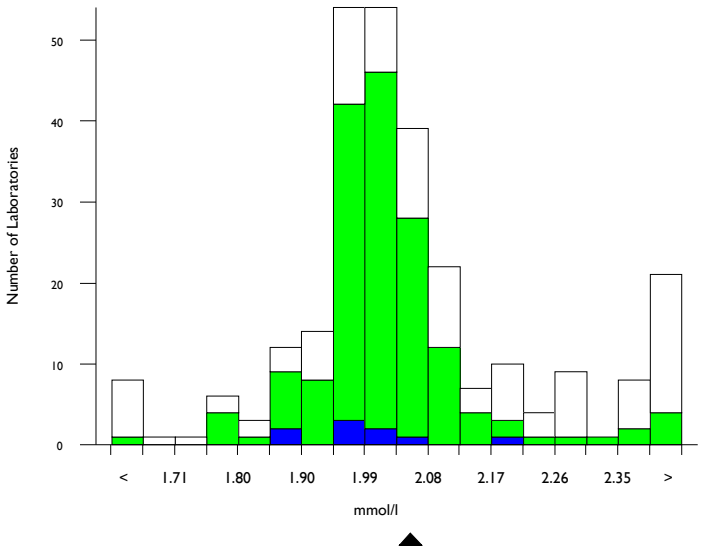
UKAS PROFICIENCY TESTING 0010

Lithium, mmol/l

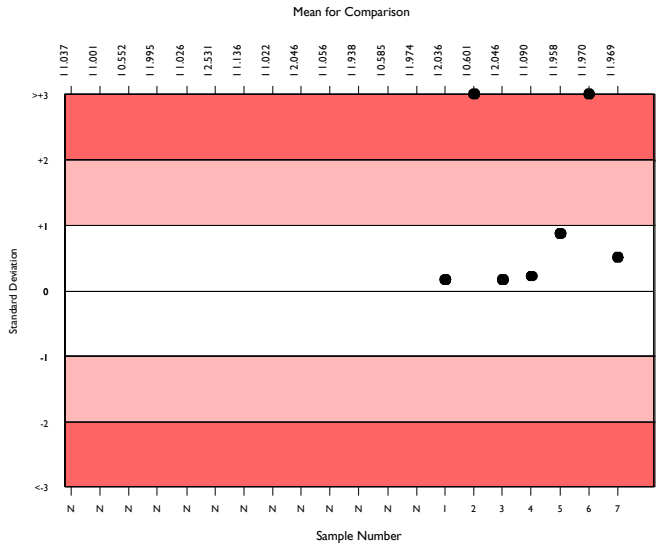
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	244	2.038	6.0	0.01	0.14	30
Spectrophotometric	148	2.006	3.0	0.01	0.14	19
Abbott Architect c systems	8	1.969	3.0	0.03	0.14	1

Your Result	2.040	SDI	0.51
		RMSDI	Too Few
Mean for Comparison	1.969	TS	101
		RMTS	Too Few
		%DEV	3.6
		RM%DEV	Too Few

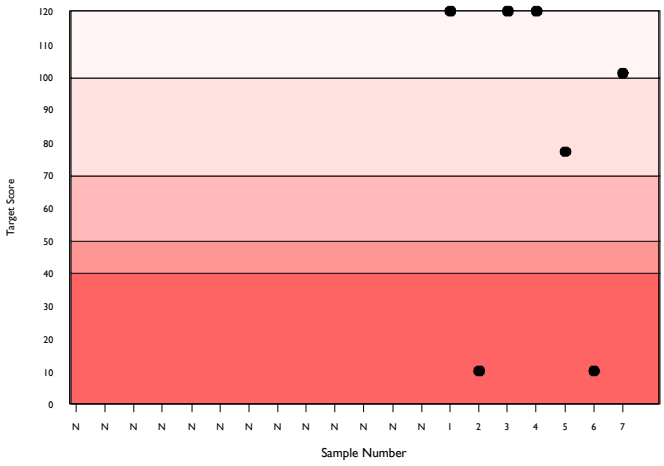
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	11.70%

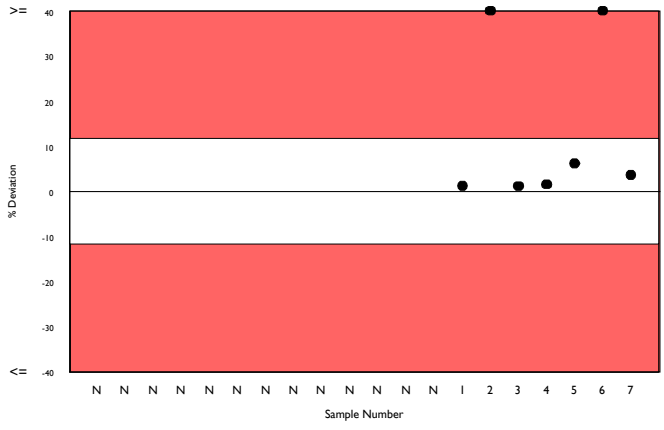


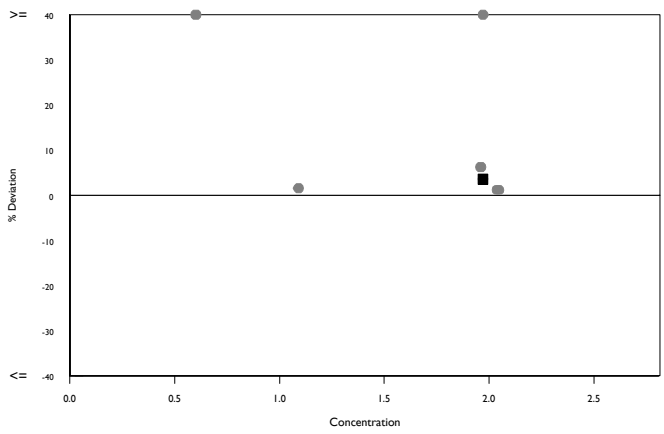
Method	N	Mean	CV%	U_m
Spectrophotometric	148	2.006	3.0	0.01
Ion selective electrode	47	2.037	5.6	0.02
Ortho Vitros MicroSlide Systems	29	2.413	7.3	0.04
Flame photometry	8	1.950	3.6	0.03
Atomic absorption	7	2.095	10.8	0.11
Other Dry Chemistry	3	2.081	3.1	0.05



TDPA = 11.7%







RIQAS

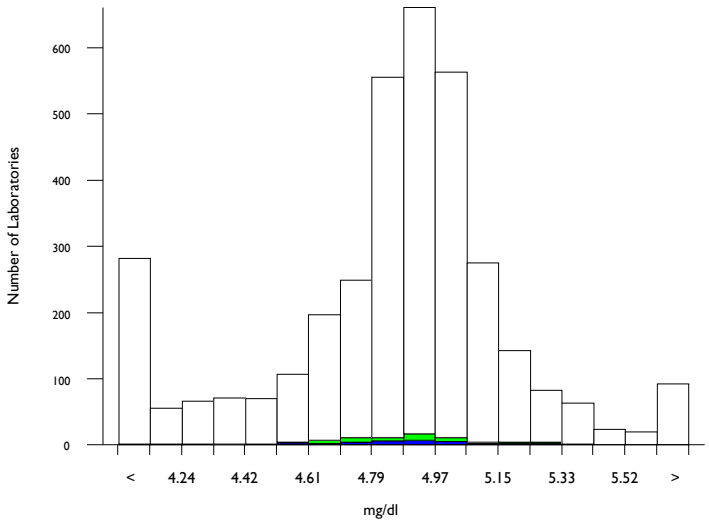
UKAS PROFICIENCY TESTING 0010

Magnesium, mg/dl

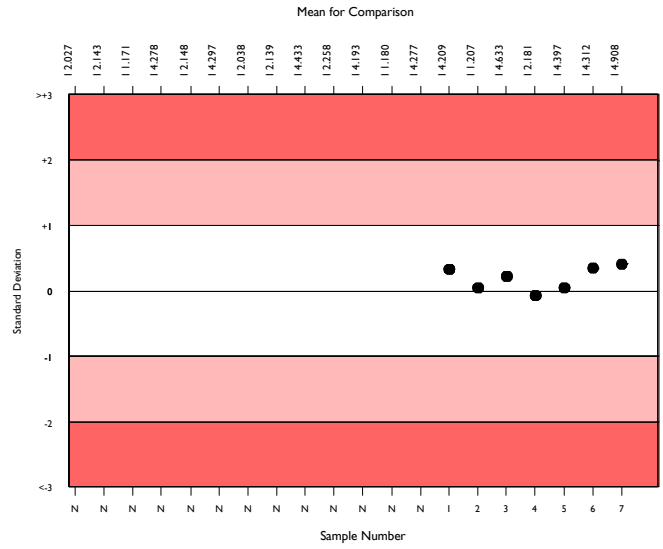
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	3192	4.884	5.0	0.01	0.33	419
Arsenazo	70	4.871	3.3	0.02	0.33	11
Abbott Architect c systems	33	4.908	3.9	0.04	0.33	2

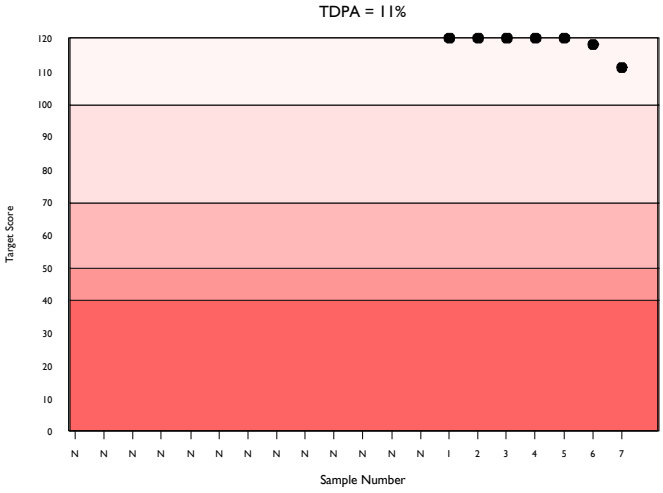
▲ Your Result	5.040	SDI	0.40
		RMSDI	Too Few
Mean for Comparison	4.908	TS	111
		RMTS	Too Few
		%DEV	2.7
		RM%DEV	Too Few

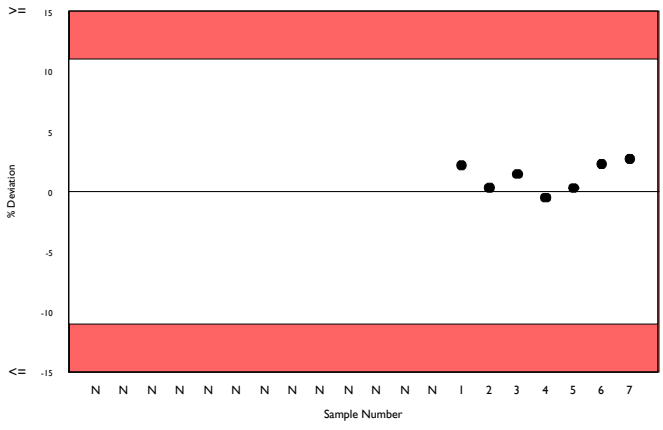
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	11.00%

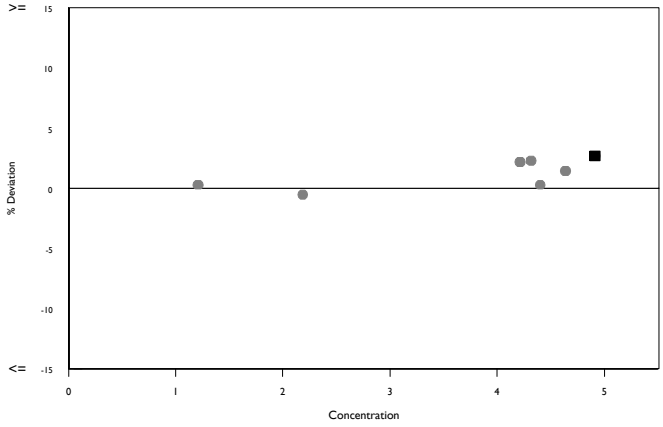


Method	N	Mean	CV%	U_m
Xylidyl Blue	1775	4.854	5.6	0.01
Enzymatic	389	4.937	2.9	0.01
Chlorphosphonazo III	285	4.909	3.5	0.01
Methylthymol blue	224	4.934	3.1	0.01
Ortho Vitros MicroSlide Systems	185	4.945	3.4	0.02
Calmagite	145	4.568	10.1	0.05
Arsenazo	70	4.871	3.3	0.02
Atomic absorption	61	4.930	3.9	0.03
Agappe - XYLIDYL BLUE	32	3.906	5.9	0.05
Other Dry Chemistry	27	5.658	6.5	0.09
Other magnesium dyes	14	4.777	8.5	0.14
Vitros, DT60/DT60 II/DTSC II	2	4.903	20.7	0.90









RIQAS

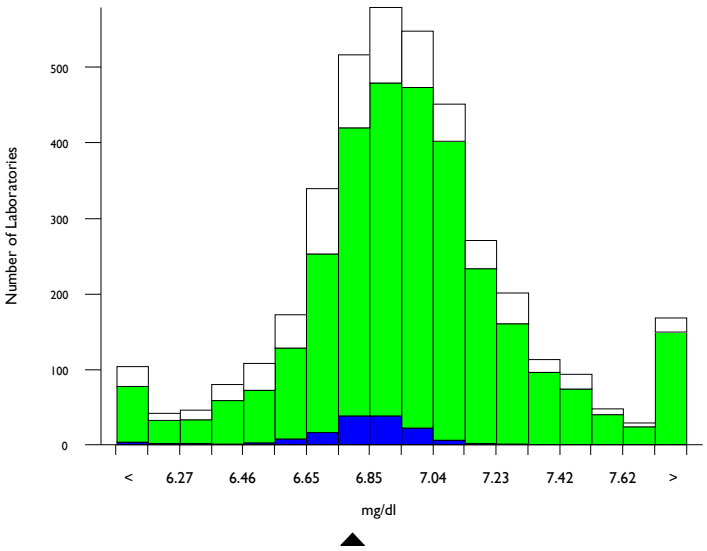
UKAS PROFICIENCY TESTING 0010

Phosphate, Inorganic, mg/dl

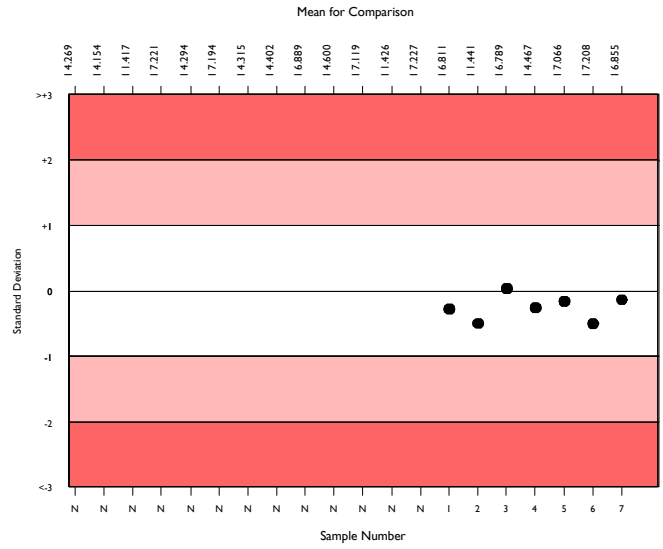
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	3574	6.948	3.7	0.01	0.40	332
Phosphomolybdate UV	2927	6.960	3.6	0.01	0.40	276
Abbott Architect c systems	128	6.855	1.7	0.01	0.39	15

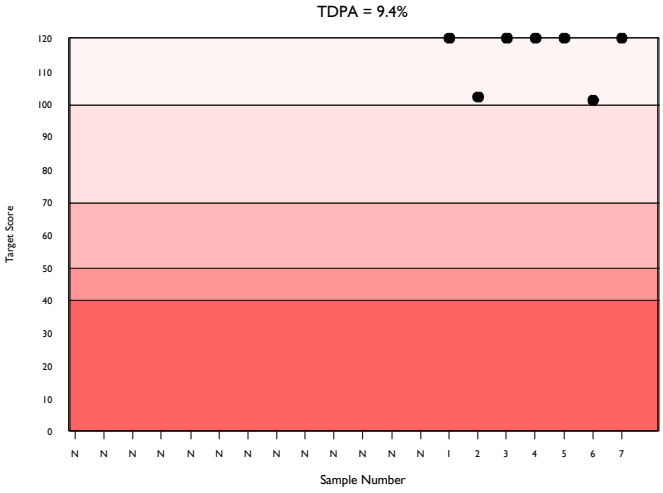
▲ Your Result	6.800	SDI	-0.14
		RMSDI	Too Few
Mean for Comparison	6.855	TS	120
		RMTS	Too Few
		%DEV	-0.8
		RM%DEV	Too Few

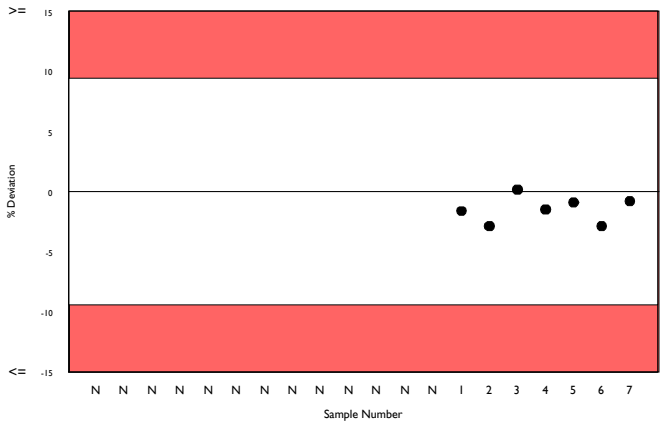
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	9.40%

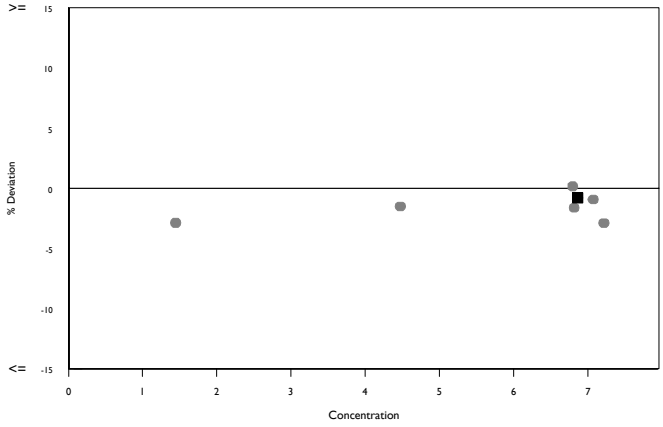


Method	N	Mean	CV%	U_m
Phosphomolybdate UV	2927	6.960	3.6	0.01
Phosphomolybdate enzymatic	308	6.897	3.0	0.01
Ortho Vitros MicroSlide Systems	194	6.699	3.7	0.02
Beckman PHOSm kit (365nm)	51	7.009	3.2	0.04
Agappe - PHOSPOHMOLYBDATE	41	7.260	1.7	0.02
Other Dry Chemistry	22	6.997	4.5	0.08
Other methods, no protein ppt	6	7.148	4.6	0.17
Other methods, with protein ppt	2	6.930	1.4	0.09









RIQAS

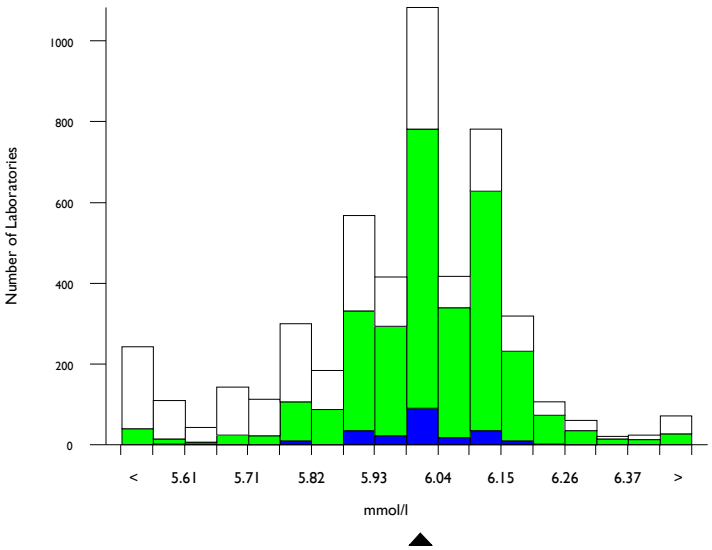
UKAS PROFICIENCY TESTING 0010

Potassium, mmol/l

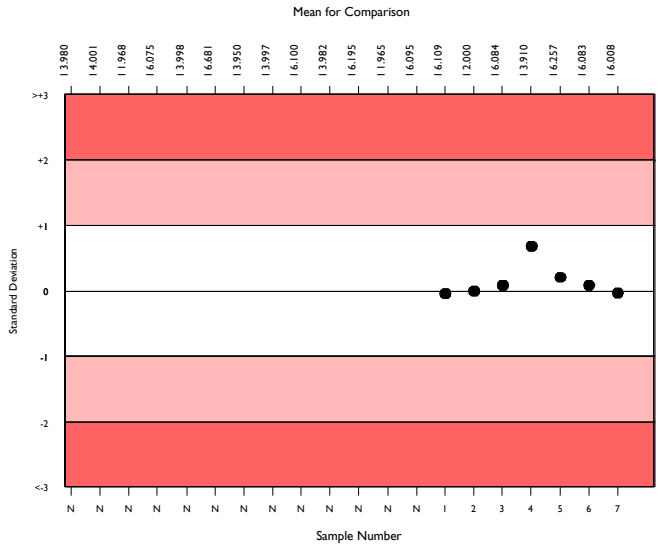
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	4642	5.991	2.4	0.00	0.20	365
ISE method - indirect	2863	6.031	1.6	0.00	0.21	210
Abbott Architect c systems	206	6.008	1.1	0.01	0.20	27

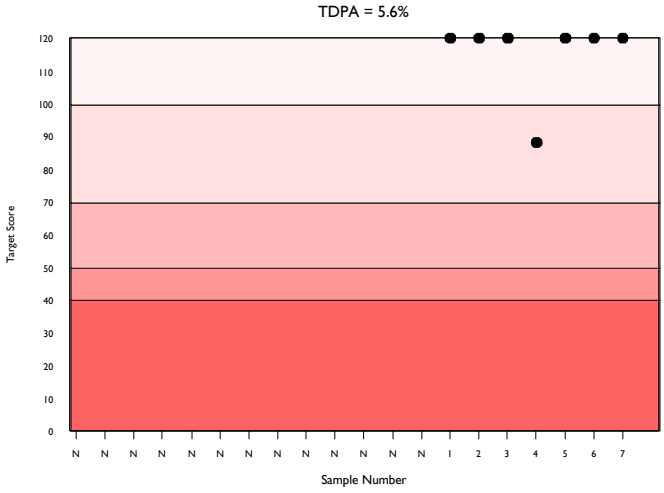
▲ Your Result	6.000	SDI	-0.04
		RMSDI	Too Few
Mean for Comparison	6.008	TS	120
		RMTS	Too Few
		%DEV	-0.1
		RM%DEV	Too Few

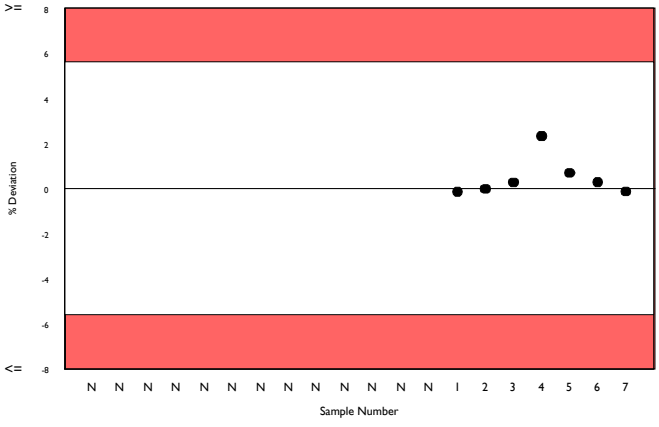
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	5.60%

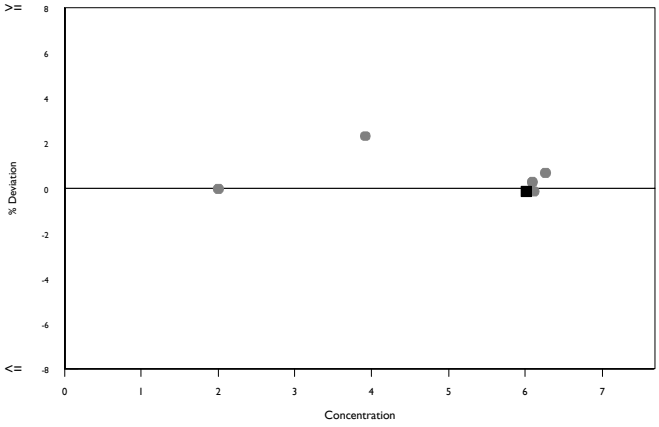


Method	N	Mean	CV%	U_m
ISE method - indirect	2863	6.031	1.6	0.00
ISE method - direct	1443	5.901	3.5	0.01
Ortho Vitros MicroSlide Systems	190	5.930	2.0	0.01
Colorimetric	51	5.620	4.9	0.05
Other Dry Chemistry	47	5.956	1.4	0.02
Agappe - ISE DIRECT	22	5.652	3.0	0.05
Enzymatic	19	5.954	6.0	0.10
Flame photometry	13	5.628	6.9	0.13
Turbidimetric	7	5.774	10.5	0.29
Optical Fluorescence	5	5.974	1.5	0.05
Vitros, DT60/DT60 II/DTE II	4	5.850	6.3	0.23









RIQAS

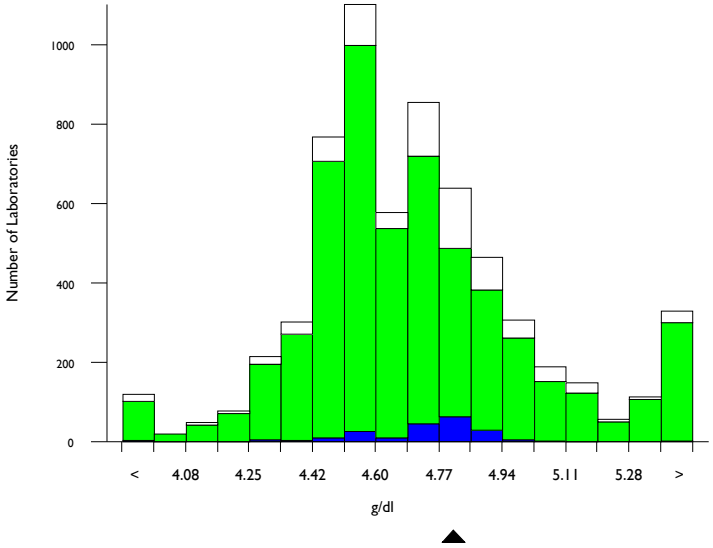
UKAS PROFICIENCY TESTING 0010

Protein, Total, g/dl

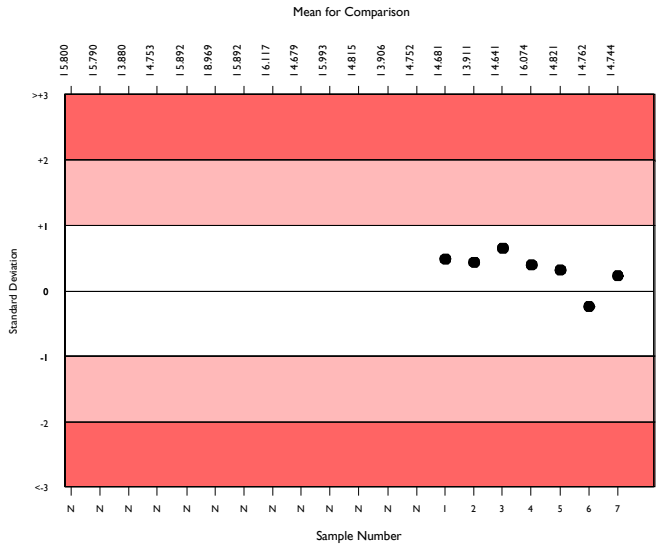
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	5795	4.687	4.9	0.00	0.25	524
Biuret reaction, end point	5078	4.676	5.0	0.00	0.25	443
Abbott Architect c systems	193	4.744	2.6	0.01	0.25	19

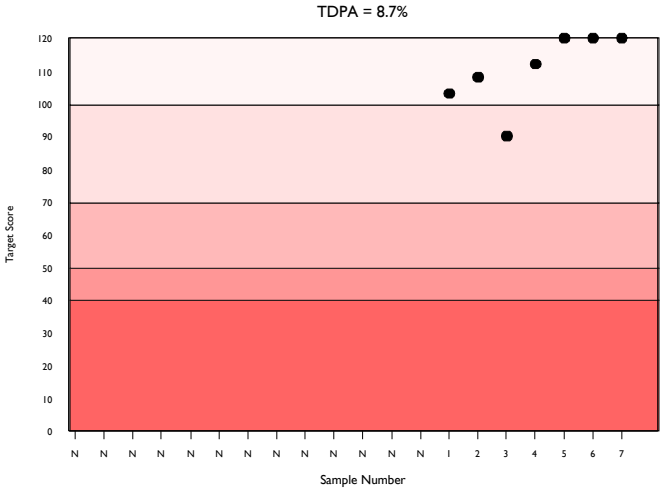
▲ Your Result	4.800	SDI	0.22
		RMSDI	Too Few
Mean for Comparison	4.744	TS	120
		RMTS	Too Few
		%DEV	1.2
		RM%DEV	Too Few

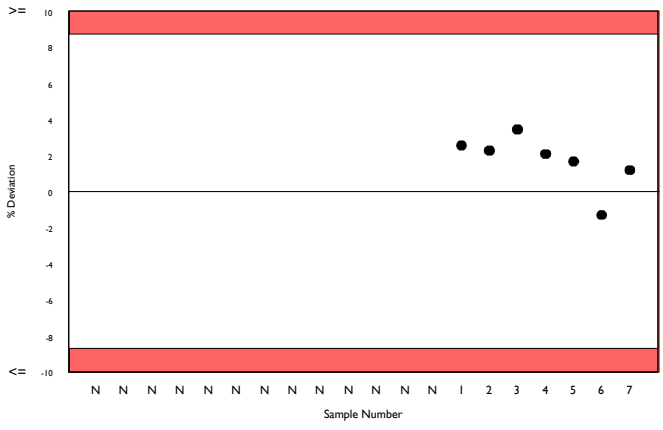
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	8.70%

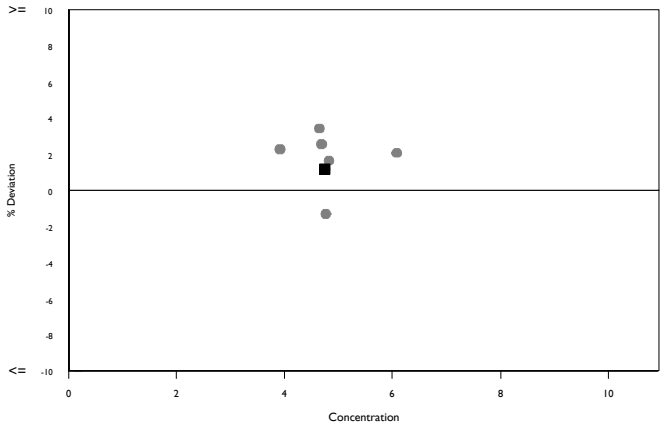


Method	N	Mean	CV%	U_m
Biuret reaction, end point	5078	4.676	5.0	0.00
Ortho Vitros MicroSlide Systems	218	4.783	3.3	0.01
Biuret reaction, kinetic	172	4.565	3.2	0.01
Abbott Alinity Total Protein 2	99	4.785	1.4	0.01
Agappe - BIURET	69	5.083	3.9	0.03
Other Dry Chemistry	50	4.747	2.8	0.02
Biuret reaction, CX4/5/7	52	4.559	4.7	0.04
Abbott Architect total Protein 2	45	4.786	1.4	0.01
Refractometry	2	4.570	0.0	0.00









RIQAS

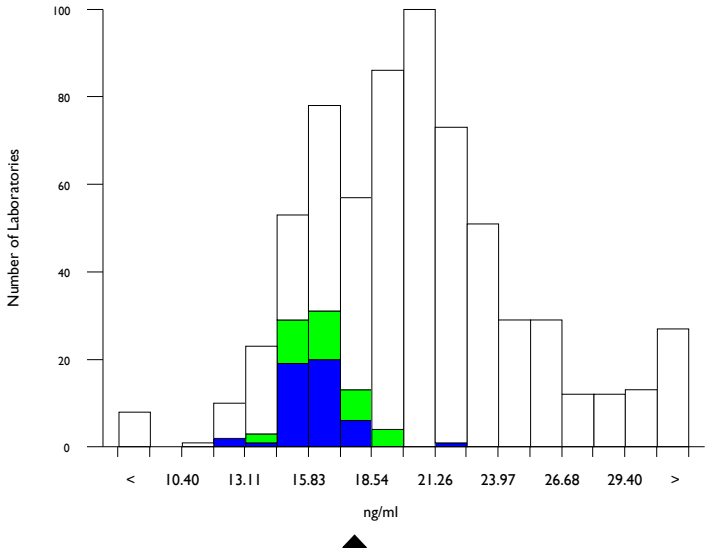
UKAS PROFICIENCY TESTING 0010

PSA, Total, ng/ml

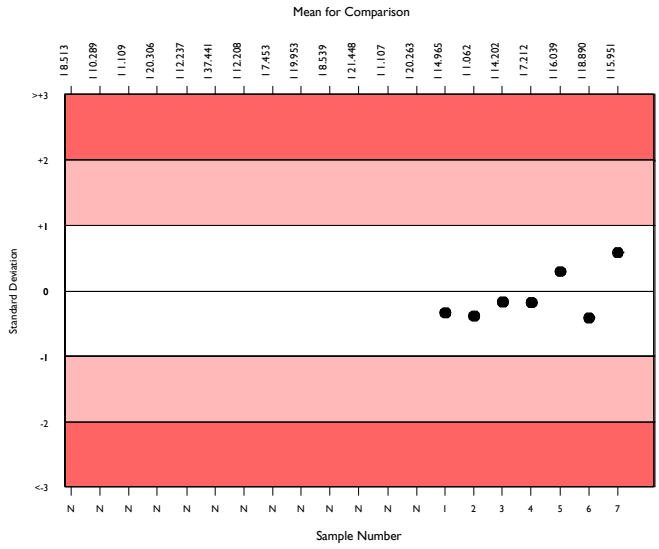
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	613	19.903	18.2	0.18	3.00	50
Abbott Architect/ Alinity	75	16.102	6.6	0.15	2.43	8
Abbott Architect i Systems	45	15.951	6.5	0.19	2.40	4

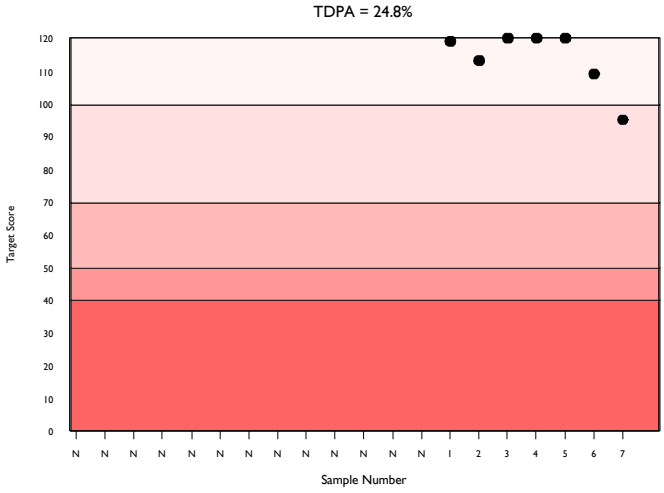
▲ Your Result	17.340	SDI	0.58
		RMSDI	Too Few
Mean for Comparison	15.951	TS	95
		RMTS	Too Few
		%DEV	8.7
		RM%DEV	Too Few

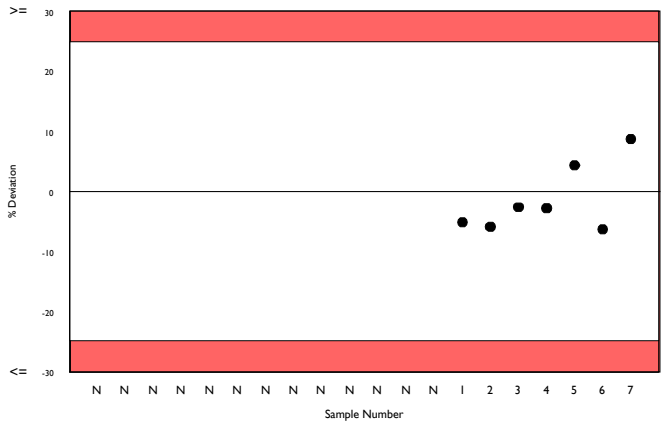
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	24.80%

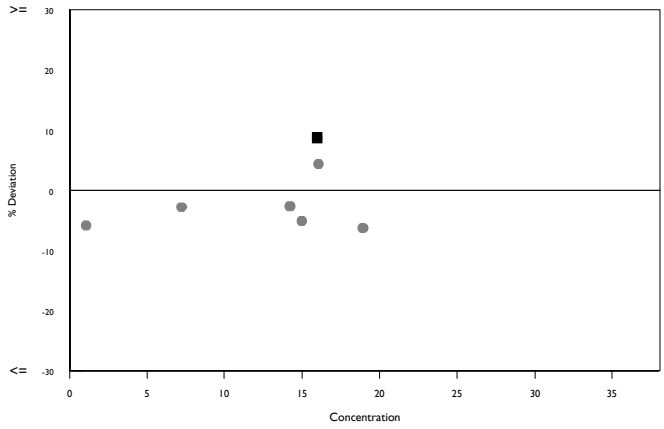


Method	N	Mean	CV%	U_m
Roche Cobas 4000/e411	90	21.201	8.8	0.24
Abbott Architect/ Alinity	75	16.102	6.6	0.15
SNIBE Maglumi analysers	57	16.343	9.6	0.26
bioMerieux, VIDAS TPSA	46	20.224	7.3	0.27
Roche Cobas e601/602	44	20.943	5.1	0.20
Monobind Inc ELISA	43	27.853	15.3	0.81
ELISA	40	27.861	15.9	0.87
Beckman Access standardised to Hybritech	35	23.760	7.1	0.36
Tosoh AIA Series	20	15.281	7.7	0.33
Roche Cobas e402/e801	20	20.680	3.3	0.19
Siemens Dimension	15	19.883	5.2	0.33
Mindray CL-Series	13	23.849	9.3	0.77
Ortho Vitros 3600/5600/ECi	14	20.136	8.9	0.60
Beckman DXI standardised to Hybritech	12	23.961	12.1	1.04
Siemens Centaur XP/XPT	7	18.680	4.5	0.40
Siemens Centaur CP	8	18.664	11.6	0.95
Siemens Immulite 2000/2500, Total PSA	8	20.369	14.9	1.34
Ortho Vitros 3600/5600/ECi PSA II	4	20.700	1.7	0.22
Siemens Atellica IM	7	18.617	3.8	0.33
Siemens Immulite 1000, Total PSA	4	19.225	2.9	0.35
Roche Elecsys Modular E170	6	21.003	11.8	1.26









RIQAS

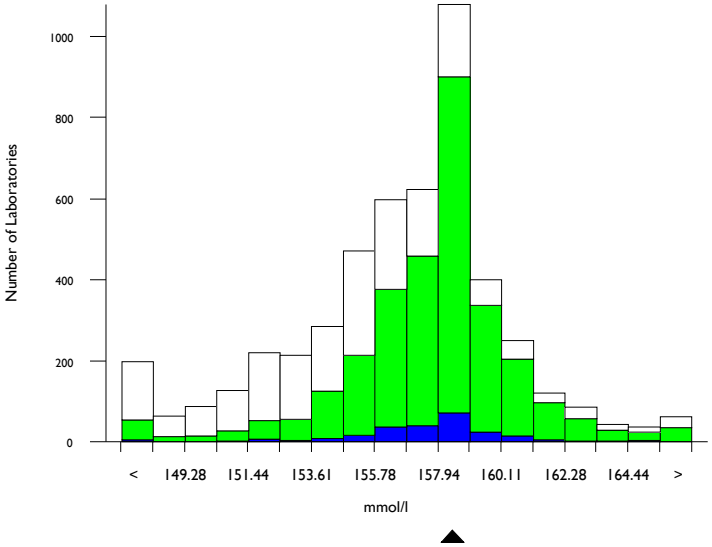
UKAS PROFICIENCY TESTING 0010

Sodium, mmol/l

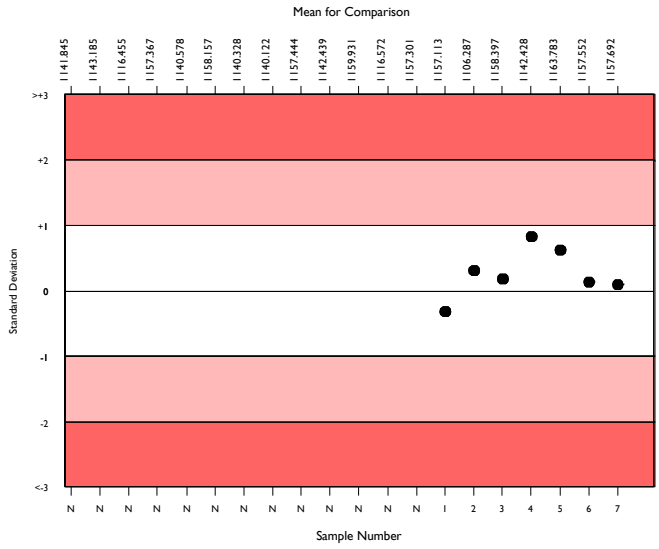
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	4554	156.866	1.8	0.05	3.43	407
ISE method - indirect	2824	157.929	1.4	0.05	3.46	249
Abbott Architect c systems	219	157.692	1.2	0.16	3.45	20

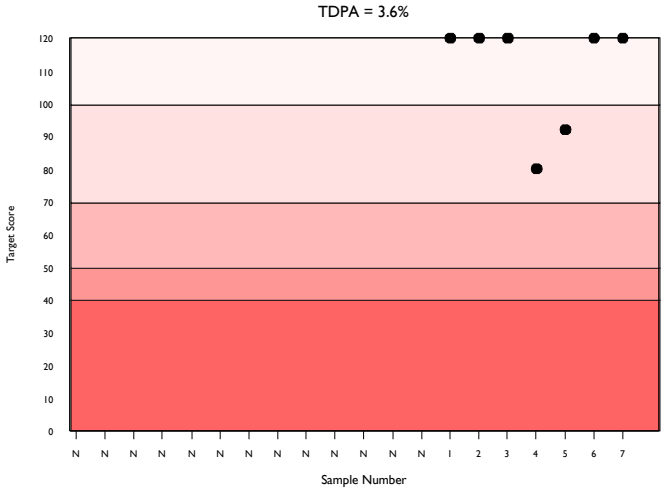
▲ Your Result	158.000	SDI	0.09
		RMSDI	Too Few
Mean for Comparison	157.692	TS	120
		RMTS	Too Few
		%DEV	0.2
		RM%DEV	Too Few

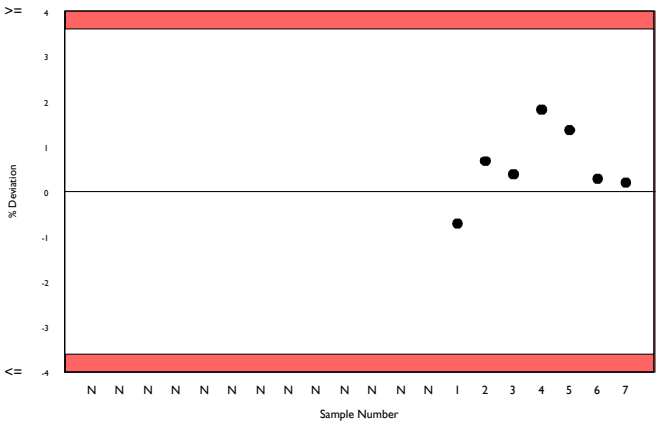
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	3.60%

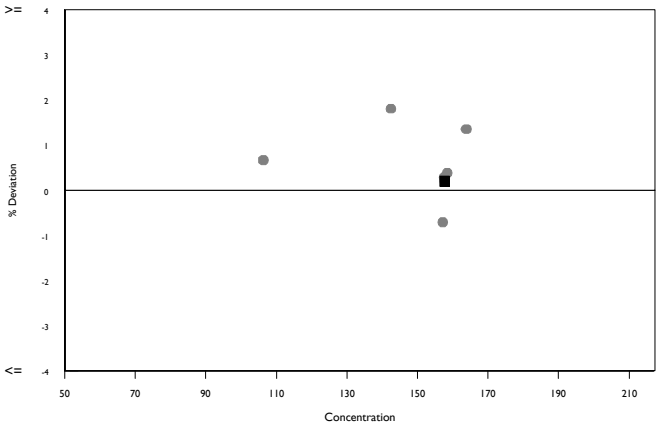


Method	N	Mean	CV%	U_m
ISE method - indirect	2824	157.929	1.4	0.05
ISE method - direct	1407	155.034	2.2	0.11
Ortho Vitros MicroSlide Systems	175	154.057	1.5	0.22
Other Dry Chemistry	46	155.187	1.4	0.40
Colorimetric	43	150.510	2.9	0.82
Agappe - ISE DIRECT	21	155.190	1.4	0.58
Flame photometry	12	155.500	1.5	0.85
Enzymatic	13	152.915	11.0	5.85
Vitros, DT60/DT60 II/DTE II	6	154.417	0.7	0.57
Optical Fluorescence	5	157.180	3.2	2.78









RIQAS

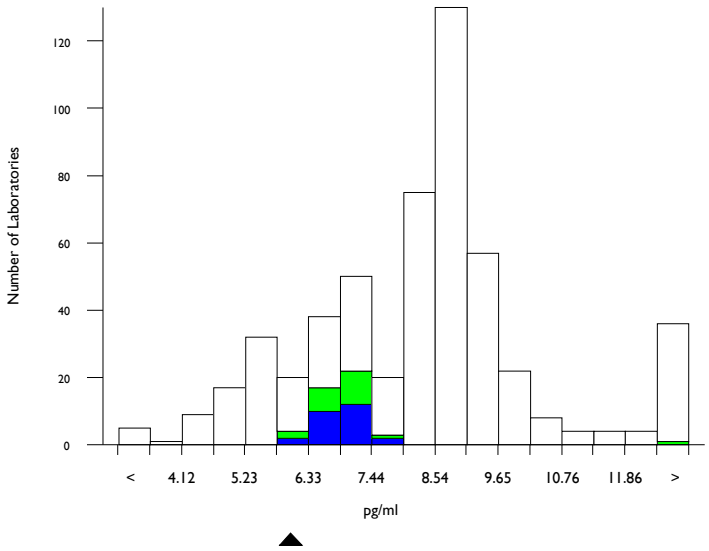
UKAS PROFICIENCY TESTING 0010

Free T3, pg/ml

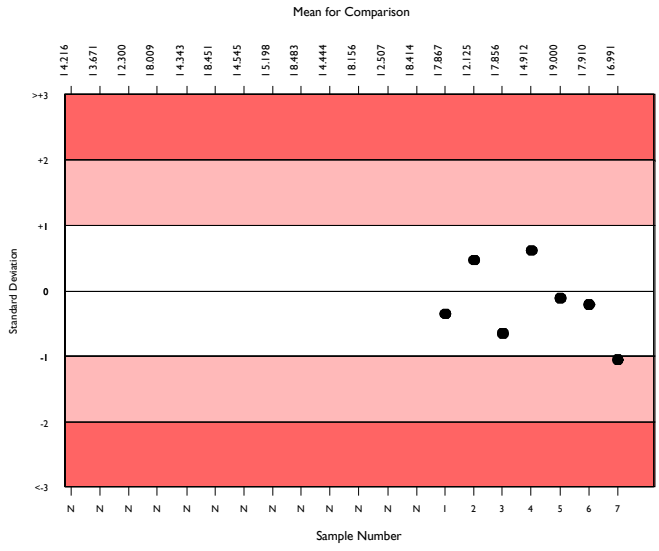
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	485	7.997	18.4	0.08	0.85	49
Abbott Architect/ Alinity, 6 point cal	44	6.944	4.9	0.06	0.73	3
Abbott Architect i Systems	25	6.991	5.3	0.09	0.74	1

▲ Your Result	6.210	SDI	-1.06
		RMSDI	Too Few
Mean for Comparison	6.991	TS	69
		RMTS	Too Few
		%DEV	-11.2
		RM%DEV	Too Few

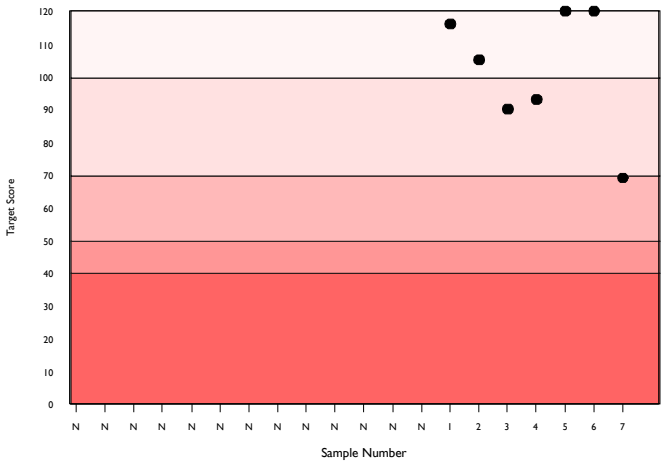
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	17.40%

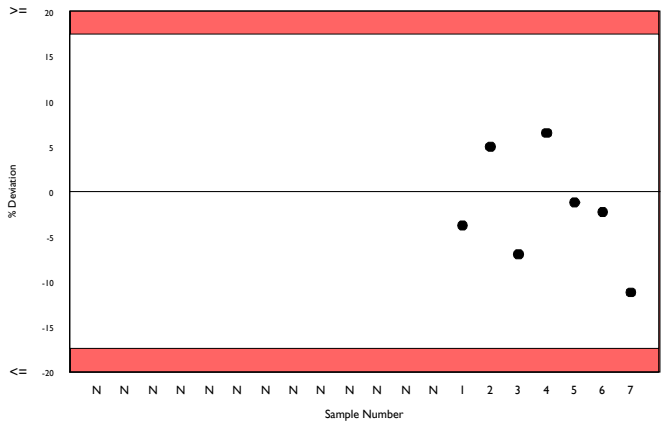


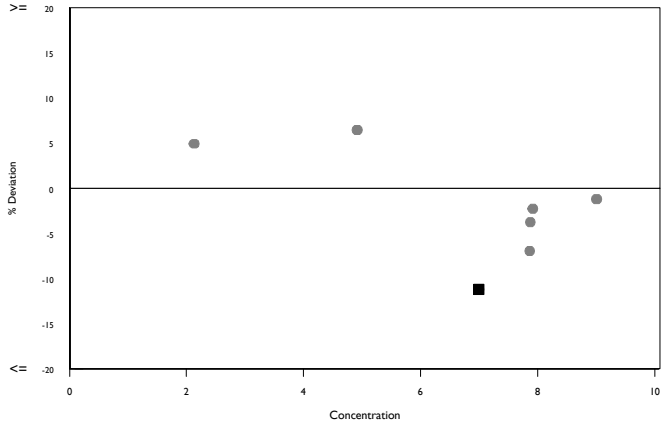
Method	N	Mean	CV%	U_m
Roche Cobas 4000/e411	83	8.720	5.6	0.07
Roche Cobas e601/602	53	8.762	4.1	0.06
BioMerieux VIDAS	44	8.687	7.5	0.12
Abbott Architect/ Alinity, 6 point cal	44	6.944	4.9	0.06
Abbott Architect/ Alinity, 2 point cal	38	6.861	5.3	0.07
Beckman Access/LXi725	31	5.607	5.6	0.07
SNIBE Maglumi analysers	20	9.066	4.3	0.11
Roche Cobas e402/e801	20	8.881	3.9	0.10
Ortho Vitros 3600/5600/ECi/XT 7600	17	18.345	5.1	0.28
Tosoh AIA Series	13	10.889	10.1	0.38
Siemens Dimension Exl LOCI	13	8.948	2.1	0.07
Beckman Dxl 600/800	13	4.886	7.5	0.13
Mindray CL-Series	12	8.045	7.1	0.21
Siemens Centaur XP/XPT	11	8.720	3.7	0.12
Siemens Centaur CP	8	8.986	4.7	0.19
ELISA	8	4.624	41.1	0.84
Fujirebio Lumipulse G Series	7	9.766	2.7	0.13
Siemens Atellica IM	7	9.366	2.8	0.13
Roche Elecsys	5	9.267	6.8	0.35
Siemens/DPC Immulite 2000/2500	4	4.994	5.1	0.16
Shenzhen YHLO iFlash Series	1	8.073	0.0	0.00



TDPA = 17.4%







RIQAS

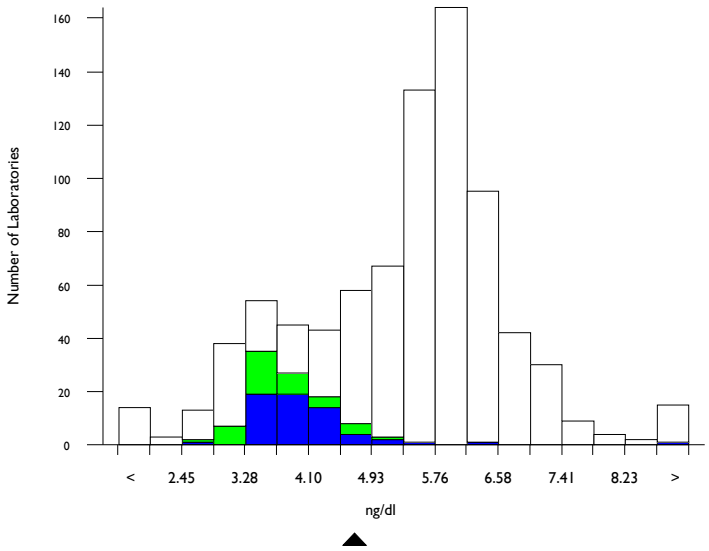
UKAS PROFICIENCY TESTING 0010

Free T4, ng/dl

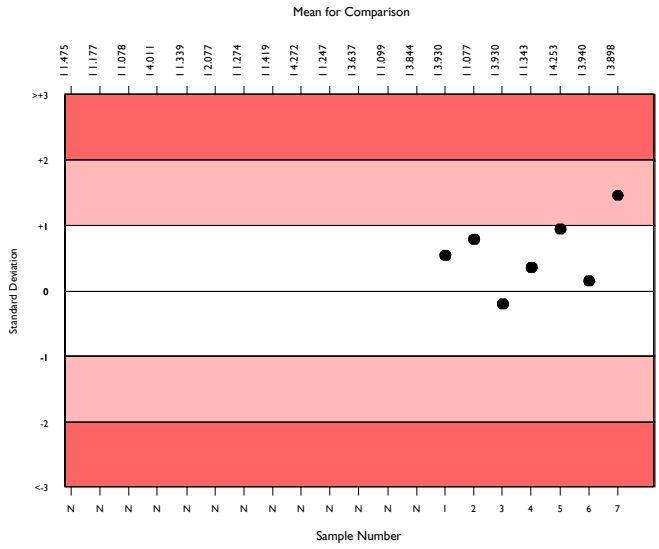
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	775	5.348	20.6	0.05	0.65	82
Abbott Architect/ Alinity	96	3.820	11.9	0.06	0.47	12
Abbott Architect i Systems	56	3.898	10.1	0.07	0.48	8

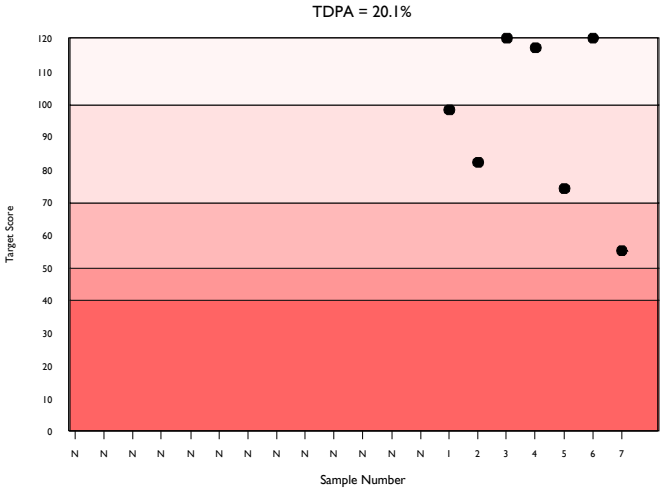
▲ Your Result	4.590	SDI	1.45
		RMSDI	Too Few
Mean for Comparison	3.898	TS	55
		RMTS	Too Few
		%DEV	17.8
		RM%DEV	Too Few

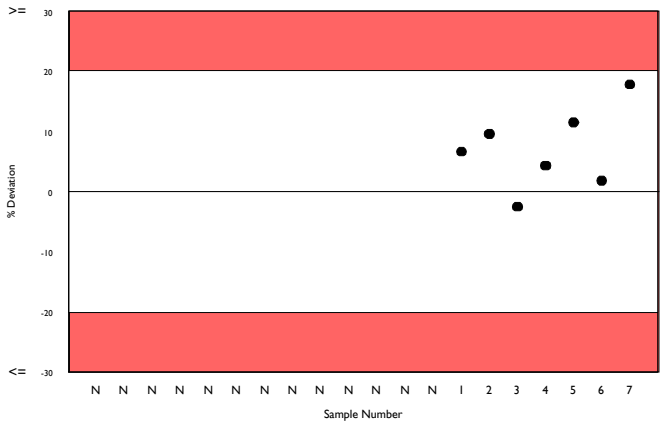
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	20.10%

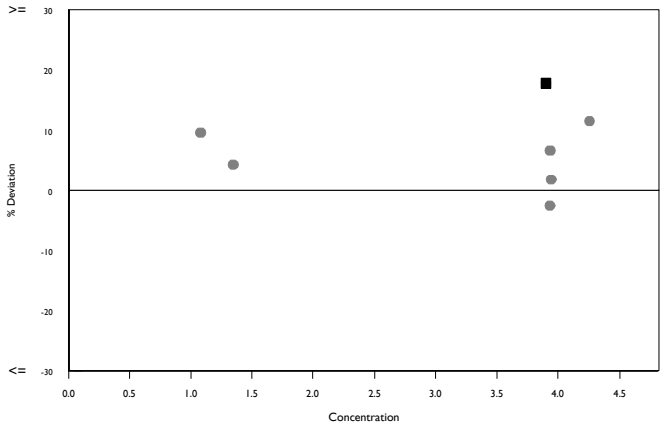


Method	N	Mean	CV%	U_m
Roche Cobas 4000/e411	119	6.025	6.8	0.05
Abbott Architect/ Alinity	96	3.820	11.9	0.06
Roche Cobas e601/ 602	60	6.004	6.1	0.06
SNIBE Maglumi analysers	62	5.620	4.6	0.04
bioMerieux, VIDAS-FT4N Kit	53	5.985	5.1	0.05
Beckman Access/LXi725	47	4.847	8.1	0.07
Monobind Inc ELISA	43	3.168	9.5	0.06
Roche Cobas e402/e801	31	6.160	5.3	0.07
Tosoh AIA Series	29	6.289	6.7	0.10
Ortho Vitros 3600/5600/ECi/XT/7600	15	7.237	7.0	0.16
ELISA	22	3.651	24.9	0.24
Mindray CL-Series	19	4.337	6.6	0.08
Beckman Dxl 600/800	21	5.126	5.6	0.08
Siemens Centaur XP/XPT	16	5.194	7.7	0.12
Siemens Dimension Exl LOCI	16	6.322	6.0	0.12
Siemens Centaur CP	14	5.429	5.7	0.10
Siemens/DPC Immulite 1000	10	5.891	5.3	0.12
Roche Elecsys	10	6.123	17.0	0.41
Siemens/DPC Immulite 2000/2500	6	5.647	5.6	0.16
Fujirebio Lumipulse G Series	7	5.830	9.3	0.26
Siemens Atellica IM	7	5.596	2.8	0.07









RIQAS

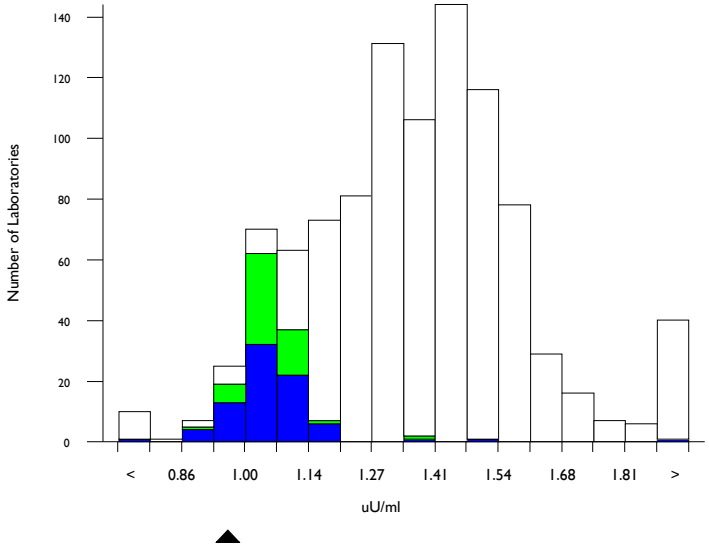
UKAS PROFICIENCY TESTING 0010

TSH, uU/ml

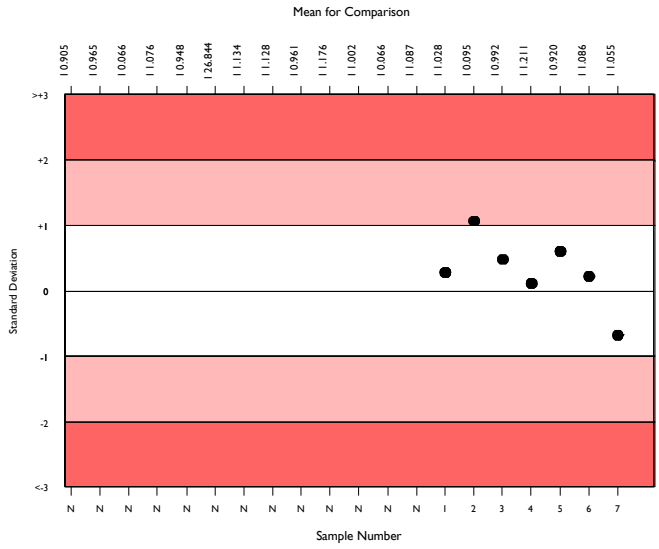
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	933	1.345	13.5	0.01	0.20	72
Abbott Architect/ Alinity	123	1.054	4.9	0.01	0.15	12
Abbott Architect i Systems	74	1.055	5.8	0.01	0.15	7

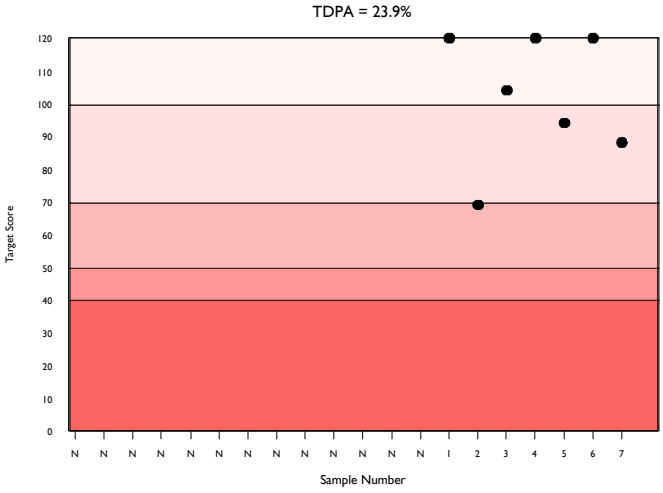
Your Result	0.950	SDI	-0.68
		RMSDI	Too Few
Mean for Comparison	1.055	TS	88
		RMTS	Too Few
		%DEV	-9.9
		RM%DEV	Too Few

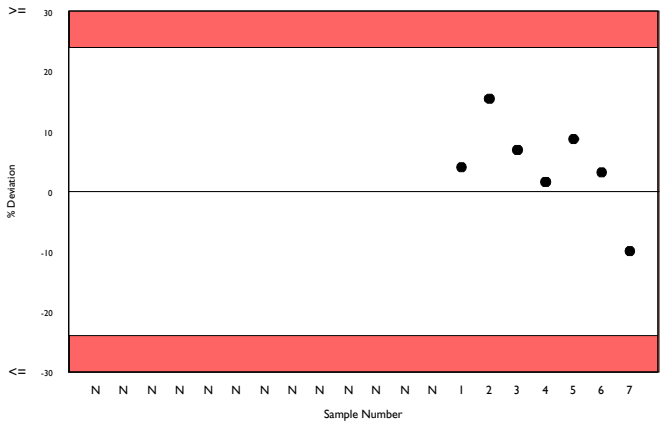
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	23.90%

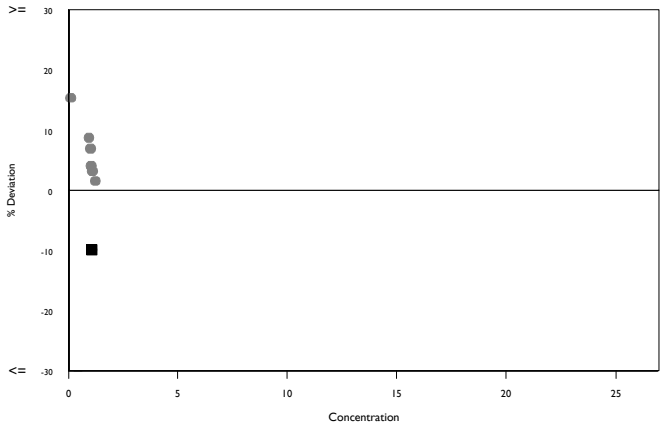


Method	N	Mean	CV%	U_m
Roche Cobas 4000/e411	135	1.520	4.5	0.01
Abbott Architect/ Alinity	123	1.054	4.9	0.01
SNIBE Maglumi analysers	76	1.360	5.3	0.01
Roche Cobas e601/ 602	76	1.481	3.7	0.01
Biomerieux VIDAS TSH	55	1.451	5.8	0.01
Monobind Inc ELISA	54	1.306	9.9	0.02
Beckman DXI600/800/ Access 2 (3rd IS)	35	1.268	4.9	0.01
ELISA	35	1.304	17.8	0.05
Roche Cobas e402/e801	33	1.458	3.7	0.01
Beckman Access/LXi725 hyper TSH 3rd gen.	31	1.268	4.9	0.01
Tosoh AIA Series	28	1.306	6.6	0.02
Ortho Vitros 3600/5600/ECi/XT 7600	25	1.302	4.1	0.01
Mindray CL-Series	23	1.767	8.8	0.04
Siemens Dimension Exl LOCI	17	1.183	4.4	0.02
Siemens Centaur CP	14	1.210	12.4	0.05
Siemens/DPC Immulite 1000	14	1.405	9.2	0.04
Roche Elecsys	13	1.470	6.3	0.03
Siemens Atellica IM	11	1.228	6.1	0.03
Beckman Access/LXi725 Fast TSH 2nd gen.	9	1.287	2.3	0.01
Siemens Centaur XP/XPT	10	1.383	14.0	0.08
Ortho Vitros TSH3	9	1.293	3.8	0.02









RIQAS

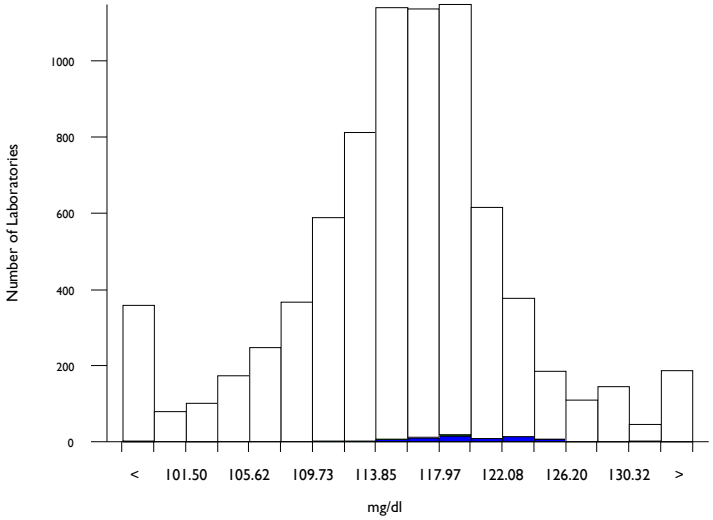
UKAS PROFICIENCY TESTING 0010

Urea, mg/dl

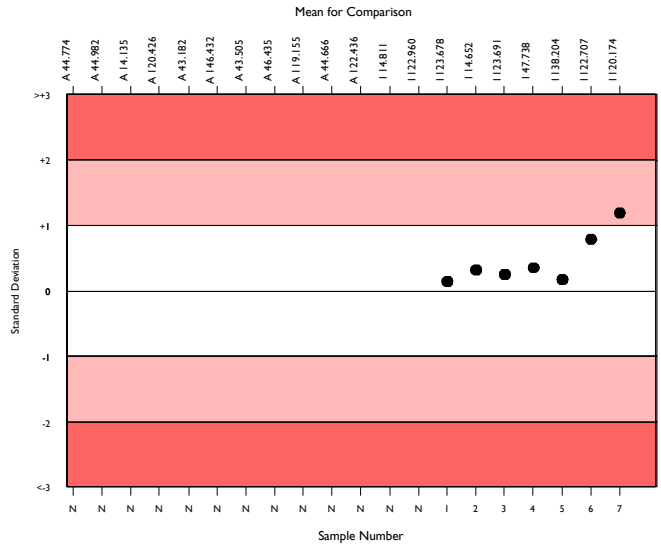
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	7152	115.913	4.7	0.08	8.81	660
Abbott Architect Urea Nitrogen 2	75	119.815	3.0	0.52	9.10	10
Abbott Architect c systems	68	120.174	2.9	0.53	9.13	9

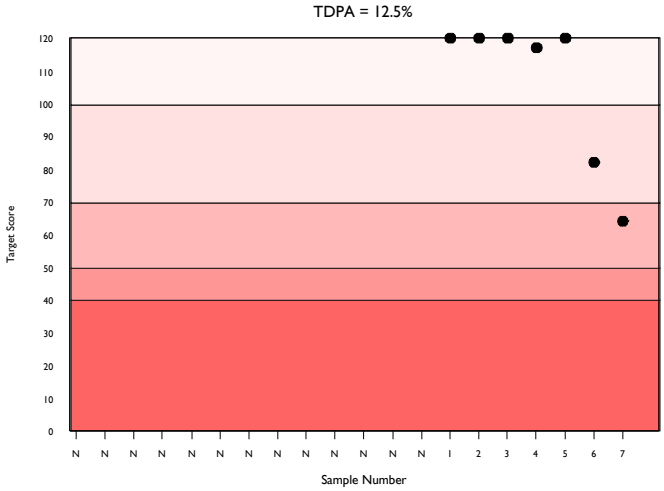
Your Result	131.000	SDI	1.19
		RMSDI	Too Few
Mean for Comparison	120.174	TS	64
		RMTS	Too Few
		%DEV	9.0
		RM%DEV	Too Few

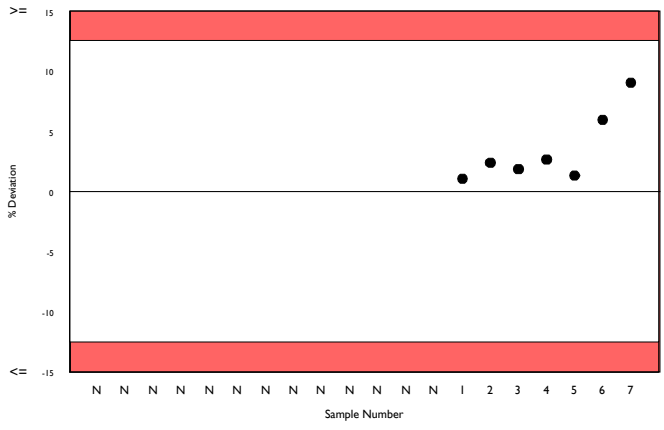
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	12.50%

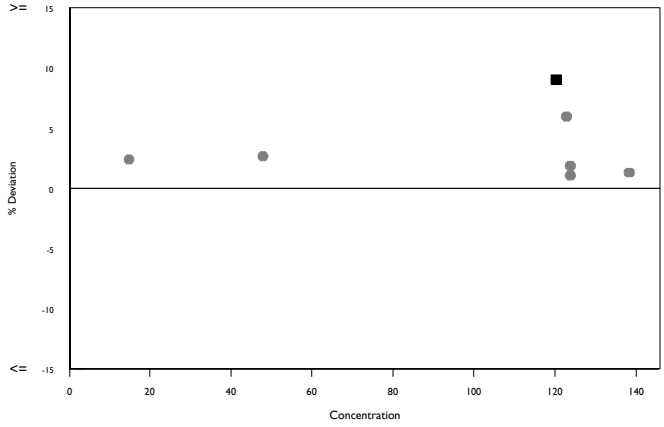


Method	N	Mean	CV%	U_m
Urease, kinetic	6085	116.040	4.7	0.09
Urease, end point	437	115.538	5.2	0.36
Ortho Vitros MicroSlide Systems	236	112.830	2.7	0.25
Urease, hypochlorite	102	112.936	5.7	0.79
Abbott Architect Urea Nitrogen 2	75	119.815	3.0	0.52
Agappe - UREASE GLDH	69	113.332	3.7	0.64
Other Dry Chemistry	71	120.648	3.3	0.59
Beckman - Conductivity	36	117.152	4.8	1.16
Agappe - BERTHELOT	9	109.471	6.1	2.78
Diacetyl monoxime	7	117.767	11.4	6.32
O-Phthalaldehyde	5	115.120	5.7	3.66









RIQAS

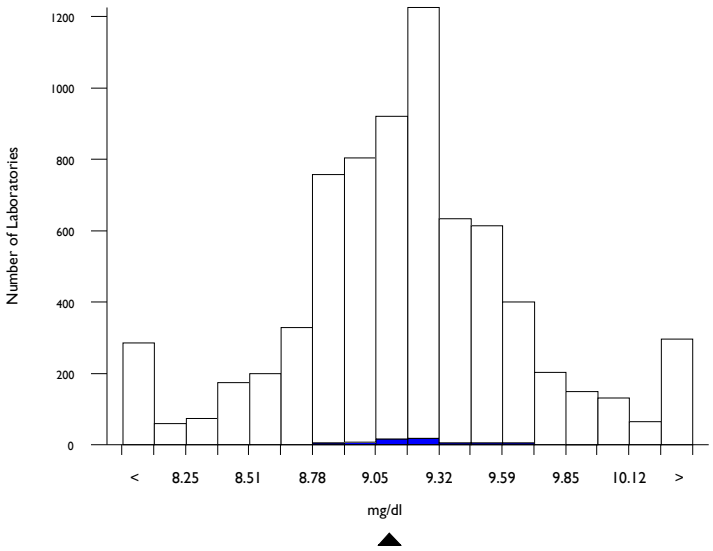
UKAS PROFICIENCY TESTING 0010

Uric Acid (Urate), mg/dl

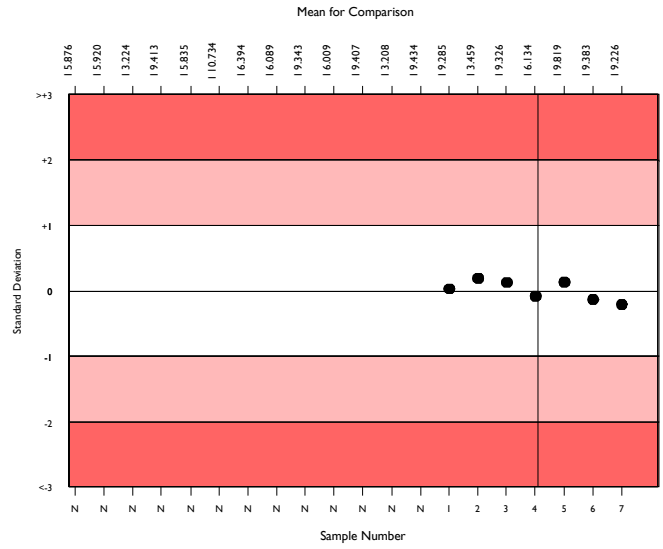
	N	Mean	CV%	U_m	SDPA	Exc.
All Methods	6611	9.189	3.9	0.01	0.59	716
Abbott Architect Uric Acid 2	62	9.203	2.1	0.03	0.59	4
Abbott Architect c systems	58	9.226	2.0	0.03	0.59	6

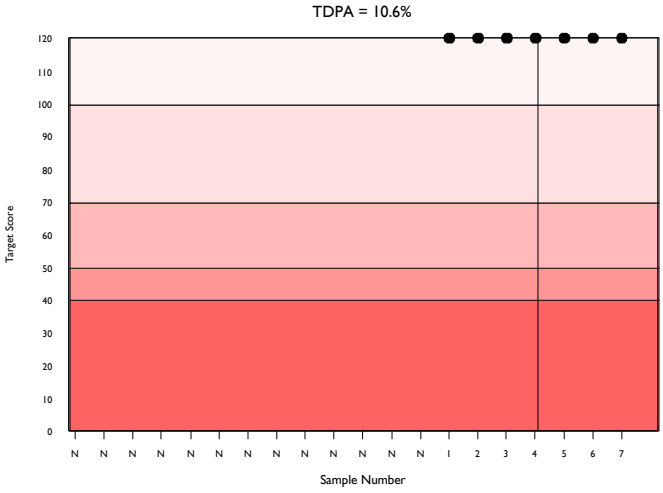
Your Result	9.100	SDI	-0.21
		RMSDI	Too Few
Mean for Comparison	9.226	TS	120
		RMTS	Too Few
		%DEV	-1.4
		RM%DEV	Too Few

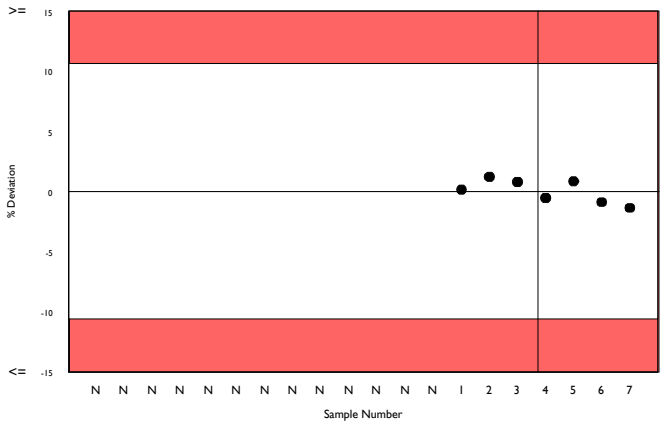
Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	10.60%

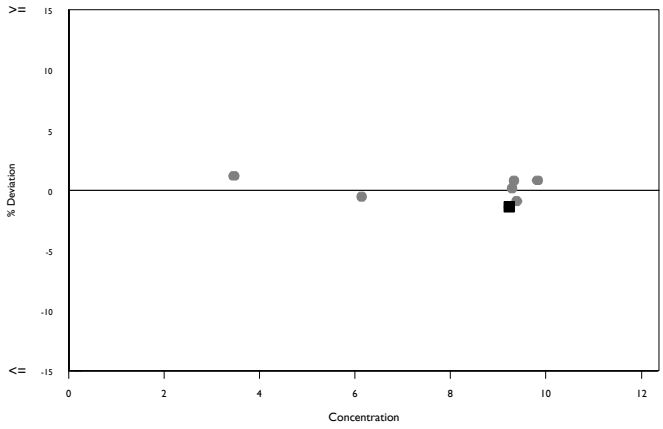


Method	N	Mean	CV%	U_m
Uricase perox. no ascorb. ox.	2630	9.193	4.1	0.01
Uricase Perox. with ascorb. ox	1837	9.271	3.6	0.01
Uricase Perox. with ascorb. ox @ 546nm	1289	9.123	3.6	0.01
Ortho Vitros MicroSlide Systems	227	8.745	2.6	0.02
Uricase @ 293 nm	200	9.150	2.1	0.02
Uricase, catalase 340nm.	121	9.190	2.8	0.03
Abbott Alinity Uric Acid 2	98	9.105	1.9	0.02
Abbott Architect Uric Acid 2	62	9.203	2.1	0.03
Agappe - URICASE - PAP	48	9.722	3.3	0.06
Other Dry Chemistry	40	9.931	2.6	0.05
Agappe - URICASE - TOPS	25	9.521	8.0	0.19
Reduction methods	20	9.452	2.9	0.08
Vitros DT60/DT60 II	3	8.850	2.8	0.18









RIQAS

UKAS PROFICIENCY TESTING 0010

Analyte	Mean for Comparison	Your Result	SDI	RMSDI	%DEV	RM%DEV	TS	RMTS	Performance
Albumin	2.851	3.000	0.96	Too Few	5.2	Too Few	74	Too Few	
Alkaline Phosphatase	359.035	371.000	0.30	Too Few	3.3	Too Few	120	Too Few	
ALT (GPT)	133.115	128.000	-0.42	Too Few	-3.8	Too Few	109	Too Few	
Amylase, Pancreatic	251.449	252.000	0.02	Too Few	0.2	Too Few	120	Too Few	
Amylase, Total	304.322	308.000	0.12	Too Few	1.2	Too Few	120	Too Few	
AST (GOT)	143.887	145.000	0.09	Too Few	0.8	Too Few	120	Too Few	
Bile Acids	44.202	46.500	0.35	Too Few	5.2	Too Few	117	Too Few	
Bilirubin, Direct	1.834	1.800	-0.12	Too Few	-1.8	Too Few	120	Too Few	
Bilirubin, Total	4.978	5.500	1.09	Too Few	10.5	Too Few	68	Too Few	
Calcium	15.317	15.100	-0.28	Too Few	-1.4	Too Few	120	Too Few	
Chloride	114.050	115.000	0.30	Too Few	0.8	Too Few	120	Too Few	
Cholesterol	279.560	304.000	1.67	Too Few	***8.7***	Too Few	***49***	Too Few	
CK, Total	525.248	519.000	-0.16	Too Few	-1.2	Too Few	120	Too Few	
Creatinine	4.214	4.500	0.88	Too Few	6.8	Too Few	77	Too Few	
GGT	181.101	175.000	-0.31	Too Few	-3.4	Too Few	120	Too Few	
Glucose	286.212	286.000	-0.01	Too Few	-0.1	Too Few	120	Too Few	
HDL-Cholesterol	102.654	104.000	0.10	Too Few	1.3	Too Few	120	Too Few	
Iron	238.022	253.000	1.04	Too Few	6.3	Too Few	70	Too Few	
LD (LDH)	354.354	365.000	0.39	Too Few	3.0	Too Few	113	Too Few	
LDL-Cholesterol (Pilot)	111.841	114.000	0.15	Too Few	1.9	Too Few	120	Too Few	
Lipase	67.724	71.000	0.31	Too Few	4.8	Too Few	120	Too Few	
Lithium	1.969	2.040	0.51	Too Few	3.6	Too Few	101	Too Few	
Magnesium	4.908	5.040	0.40	Too Few	2.7	Too Few	111	Too Few	
Phosphate, Inorganic	6.855	6.800	-0.14	Too Few	-0.8	Too Few	120	Too Few	
Potassium	6.008	6.000	-0.04	Too Few	-0.1	Too Few	120	Too Few	
Protein, Total	4.744	4.800	0.22	Too Few	1.2	Too Few	120	Too Few	
PSA, Total	15.951	17.340	0.58	Too Few	8.7	Too Few	95	Too Few	
Sodium	157.692	158.000	0.09	Too Few	0.2	Too Few	120	Too Few	
Free T3	6.991	6.210	-1.06	Too Few	-11.2	Too Few	69	Too Few	
Free T4	3.898	4.590	1.45	Too Few	17.8	Too Few	55	Too Few	
TSH	1.055	0.950	-0.68	Too Few	-9.9	Too Few	88	Too Few	
Urea	120.174	131.000	1.19	Too Few	9.0	Too Few	64	Too Few	
Uric Acid (Urate)	9.226	9.100	-0.21	Too Few	-1.4	Too Few	120	Too Few	

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

END OF REPORT

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