

Dena Laboratory

# MONTHLY IMMUNOASSAY

CYCLE 15 SAMPLE 6

## 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: 28/06/2017

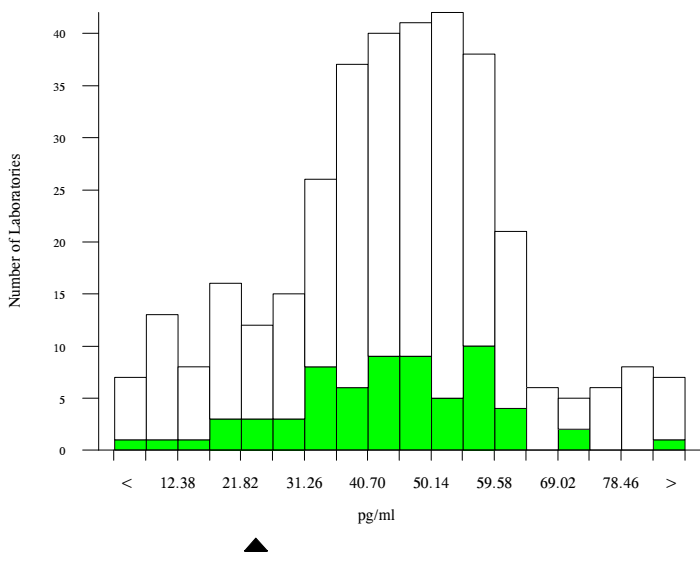
Randox Laboratories Limited  
55 Diamond Road  
CRUMLIN BT29 4QY  
Tel: +44 (0)28 9445 4399  
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# ACTH, pg/ml

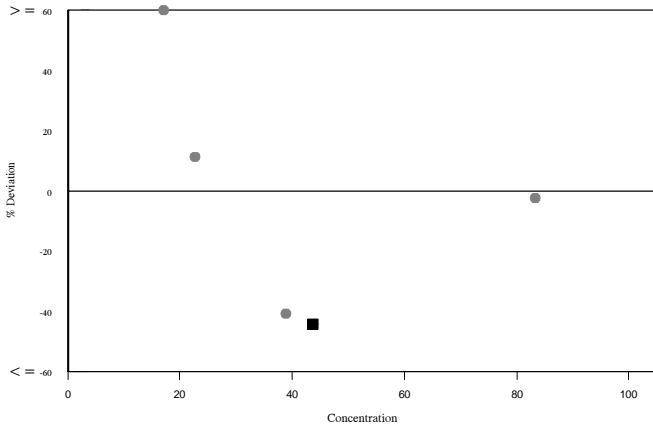
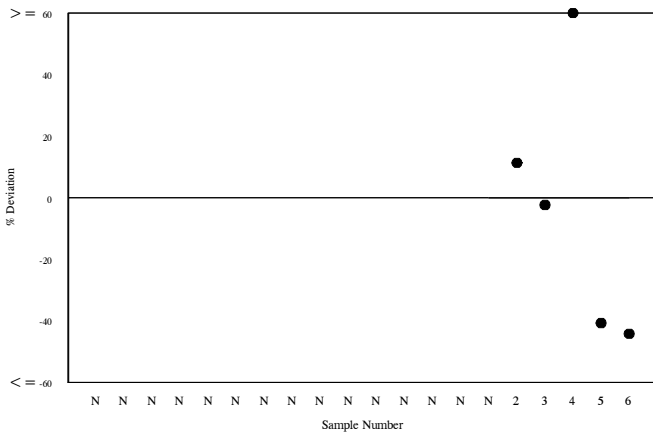
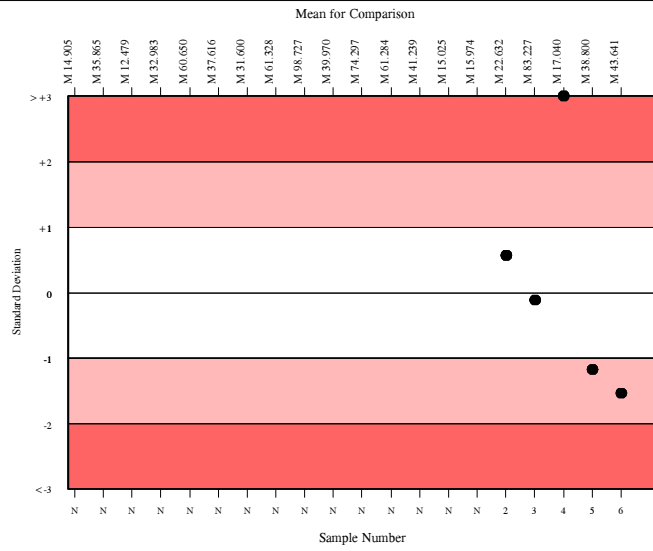
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	300	45.425	27.7	0.91	12.59	50
Roche Cobas 4000/e411	62	43.641	28.8	1.99	12.56	4

▲ Your Result	24.350	SDI RMSDI	-1.54 Too Few
■ Mean for Comparison	43.641	TS RMTS	N/A N/A
		%DEV RM%DEV	-44.2 Too Few

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



Method	N	Mean	CV%	U <sub>m</sub>
Siemens/DPC Immulite 2000/2500	103	44.744	26.4	1.45
Roche Cobas 6000/8000	69	46.296	24.8	1.73
Roche Cobas 4000/e411	62	43.641	28.8	1.99
Diasorin Liaison	25	38.874	51.5	5.01
Siemens/DPC Immulite 1000	22	50.255	15.5	2.08
SNIBE Maglumi analysers	14	78.896	2.3	0.60
Roche Elecsys	6	39.828	8.3	1.68
TOSOH	3	42.867	31.7	9.82
CIS, IRMA	4	85.953	23.6	12.68
Roche Modular E170	3	46.207	3.2	1.05

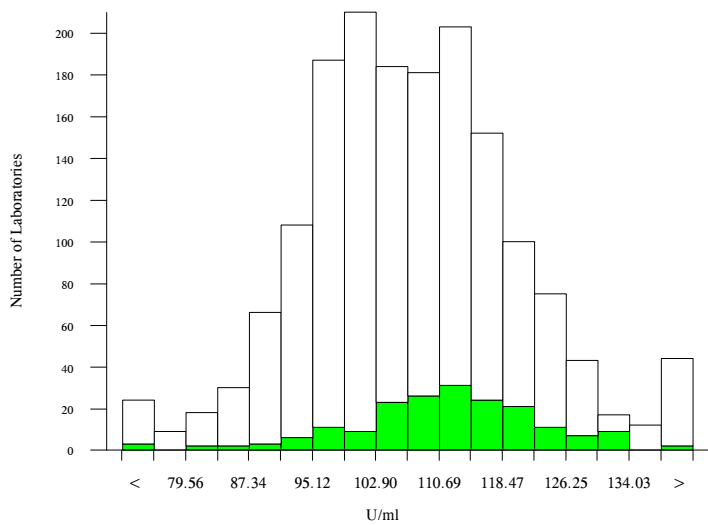


# AFP, U/ml

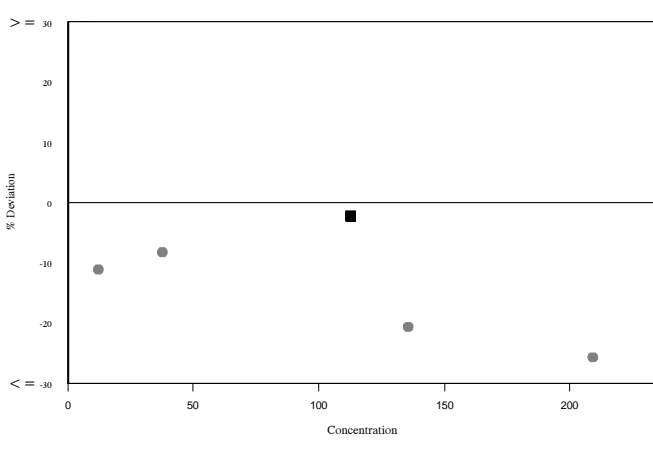
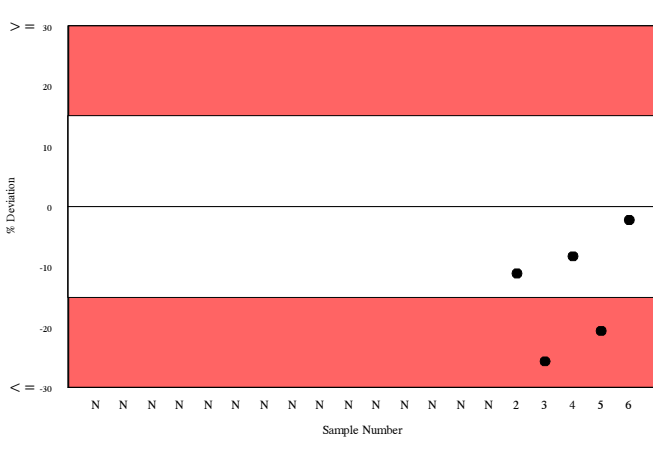
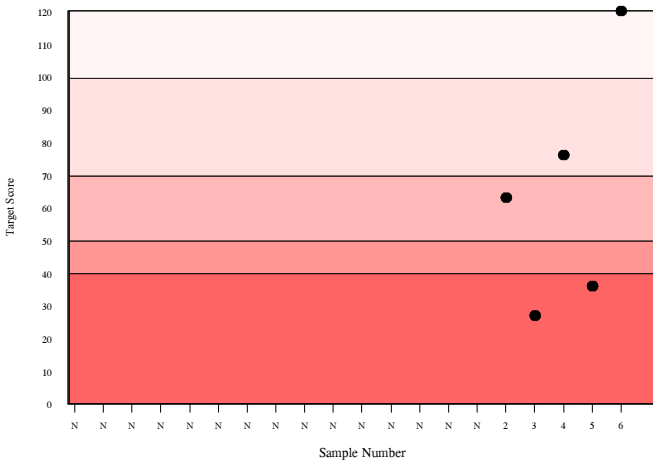
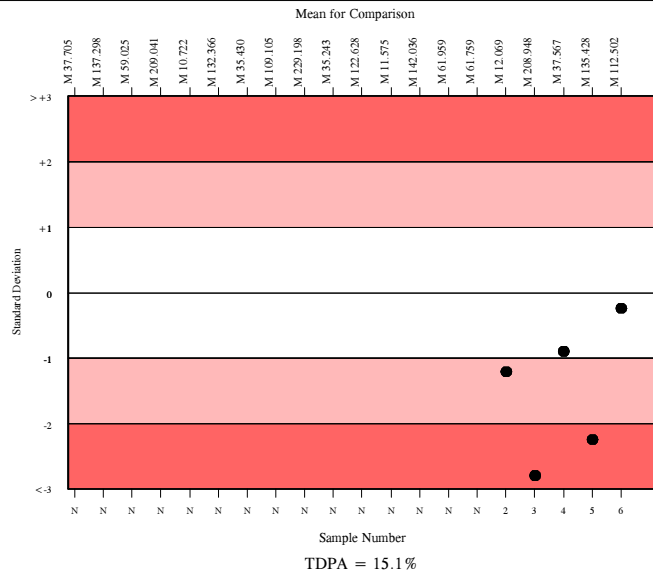
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	1553	106.799	9.7	0.33	9.80	110
Roche Cobas 4000/e411	179	112.502	8.5	0.90	10.33	11

▲ Your Result	110.000	SDI	-0.24
		RMSDI	Too Few
■ Mean for Comparison	112.502	TS	120
		RMTS	Too Few
		%DEV	-2.2
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation	21.9%
Acceptable limits of performance for RIQAS	15.10%



Method	N	Mean	CV%	U <sub>m</sub>
Roche Cobas 6000/8000	342	111.871	5.2	0.39
Abbott Architect	301	99.862	4.2	0.30
Roche Cobas 4000/e411	179	112.502	8.5	0.90
Siemens Centaur XP/XPT/Classic	150	120.034	5.8	0.71
Beckman DxI 600 / 800	137	98.991	7.4	0.78
Siemens/DPC Immulite 2000/2500	60	95.130	6.1	0.93
bioMerieux, Vidas/Mini Vidas	56	93.828	7.0	1.10
Roche Elecsys	47	108.720	5.7	1.13
Beckman Access/LXi725	39	106.145	6.8	1.44
Ortho Vitros 3600/5600/ECi	31	119.401	10.5	2.81
DiaSorin, Liaison	29	109.035	6.8	1.73
Tosoh	25	93.786	5.5	1.28
SNIBE Maglumi analysers	21	106.664	3.5	1.02
Siemens Centaur CP	22	120.430	8.8	2.83
Roche Modular E170	20	113.824	4.7	1.48
CIS, IRMA	15	149.667	8.5	4.11
Siemens/DPC Immulite 1000	14	95.288	5.6	1.77
Fujirebio Lumipulse G Series	7	101.865	1.0	0.49
Siemens Dimension	7	110.267	2.7	1.41
Brahms Kryptor	2	116.024	5.9	6.03
ELISA	1	98.700	0.0	0.00



# Aldosterone, pg/ml

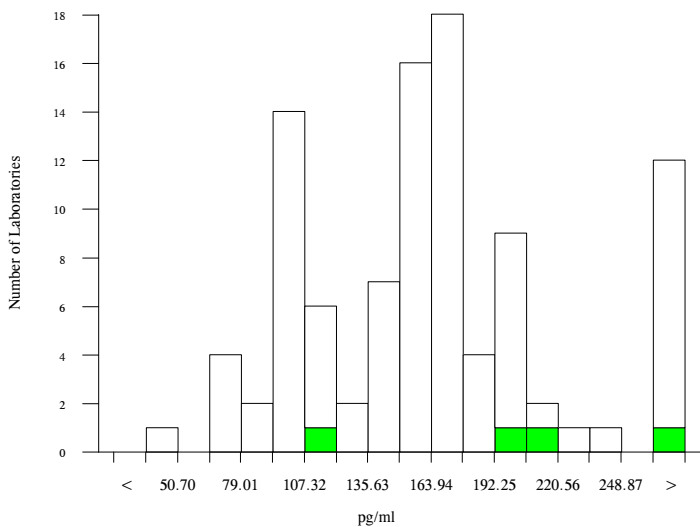
- All Methods
- DiaMetra ELISA

	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	85	149.792	25.2	5.12	35.15	14
DiaMetra ELISA	4	205.781	35.4	45.47	66.33a	0

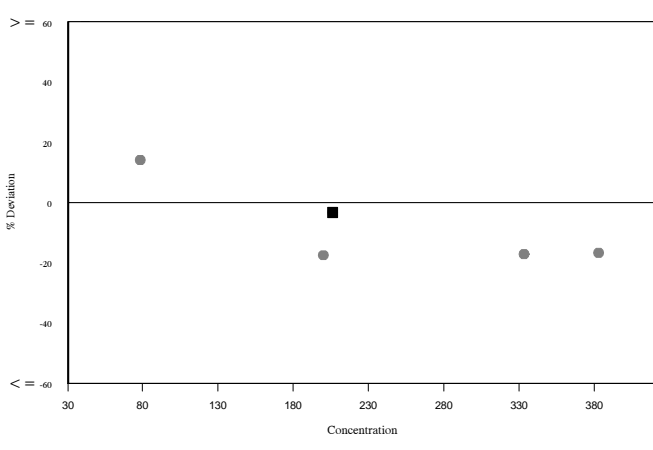
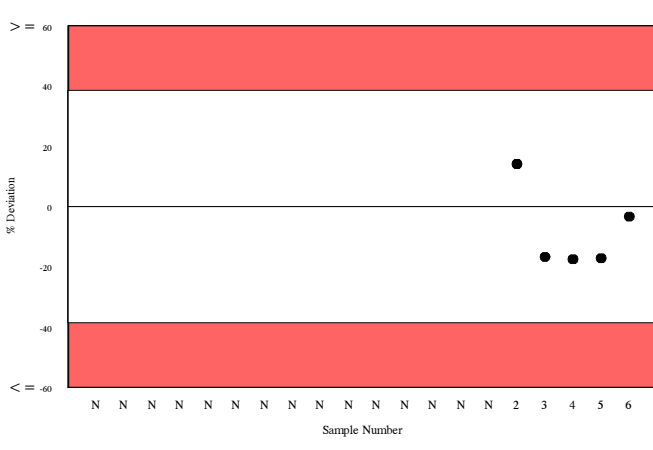
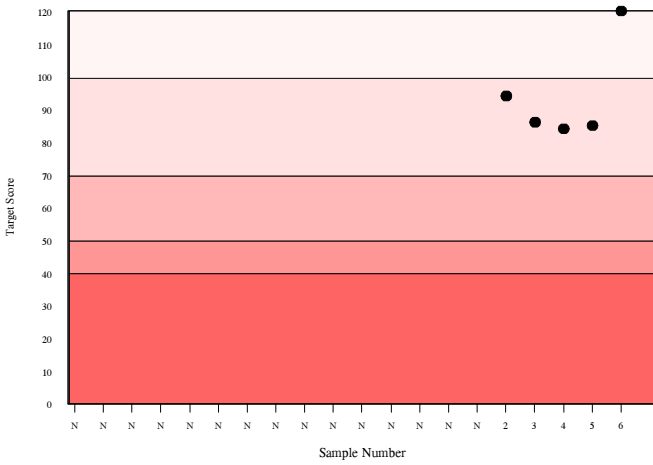
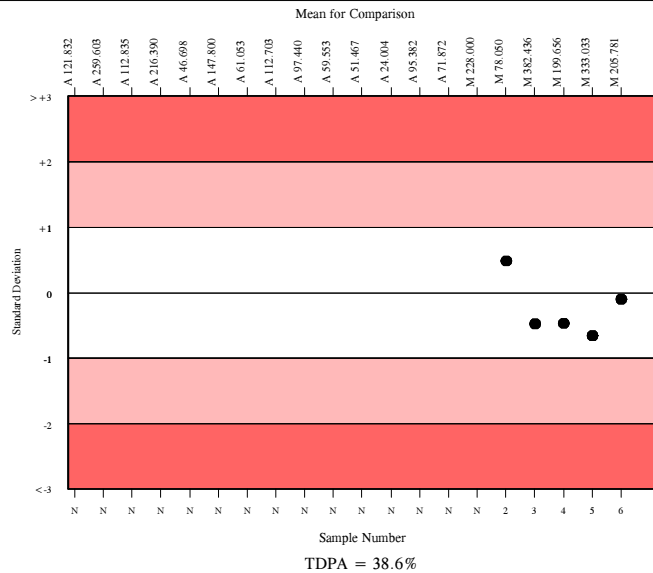
<span style="color: green;">▲</span> Your Result	199.000	SDI	-0.10
		RMSDI	Too Few
<span style="color: green;">■</span> Mean for Comparison	205.781	TS	120
		RMTS	Too Few
		%DEV	-3.3
		RM%DEV	Too Few

**The mean for comparison is not statistically significant**

Acceptable limits derived from Biological Variation	36.7%
Acceptable limits of performance for RIQAS	38.60%



Method	N	Mean	CV%	U <sub>m</sub>
Diasorin Liaison	27	156.815	7.8	2.92
SNIBE Maglumi analysers	14	105.336	1.7	0.61
DRG, ELISA	7	184.000	14.9	12.93
Immunotech RIA	4	303.089	8.3	15.75
ELISA	6	242.118	29.1	35.97
CIS, RIA	4	78.688	7.3	3.60
DiaMetra ELISA	4	205.781	35.4	45.47
IDS iSYS	4	180.581	9.1	10.32
ZenTech RIA	4	178.713	10.4	11.58
AutoBio CLIA	3	146.167	22.7	23.91
IBL International ELISA	3	226.820	20.0	32.74
Diasorin, RIA	2	154.500	36.2	49.37
DBE, ELISA	2	194.800	29.2	50.25
DIAsource, RIA	2	144.500	15.2	19.37



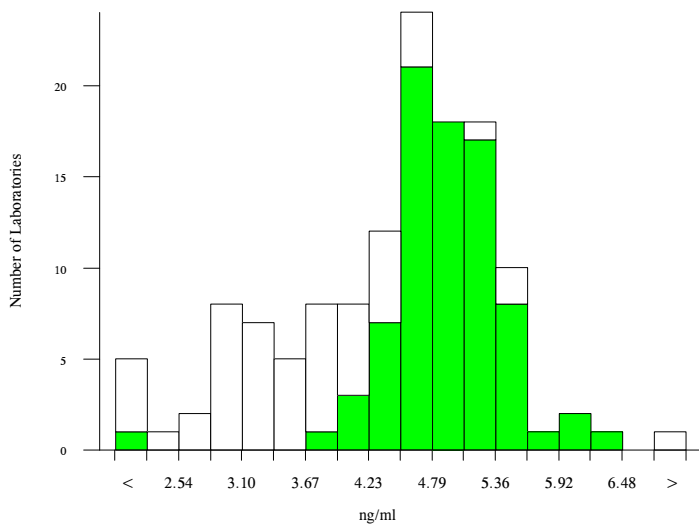
**RIQAS**

# Androstenedione, ng/ml

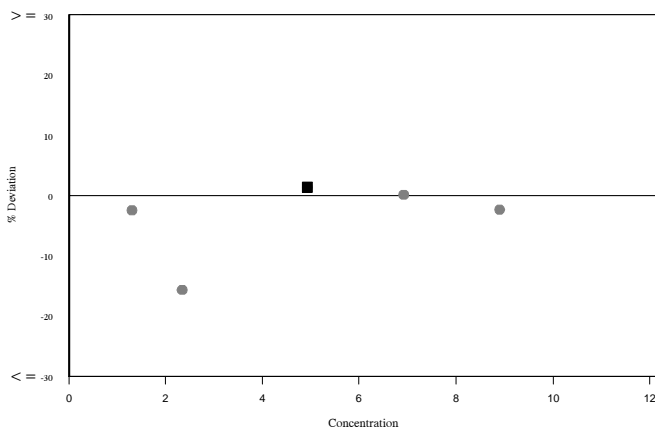
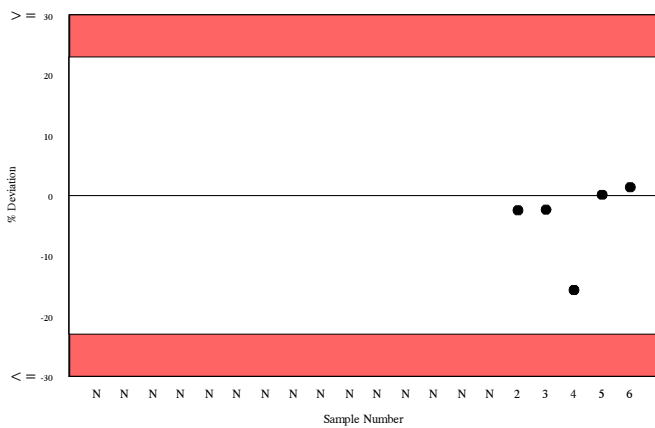
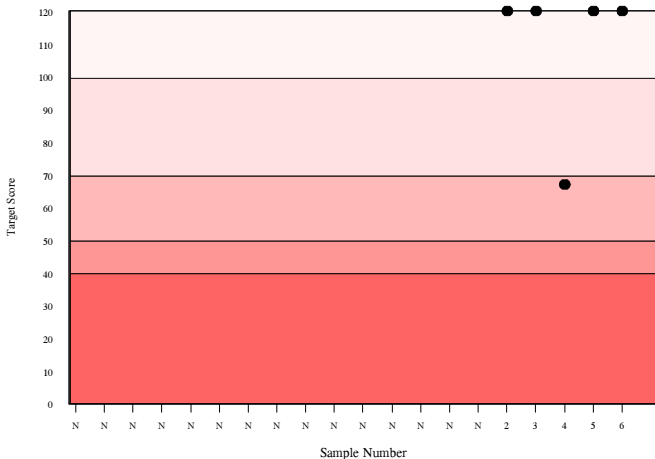
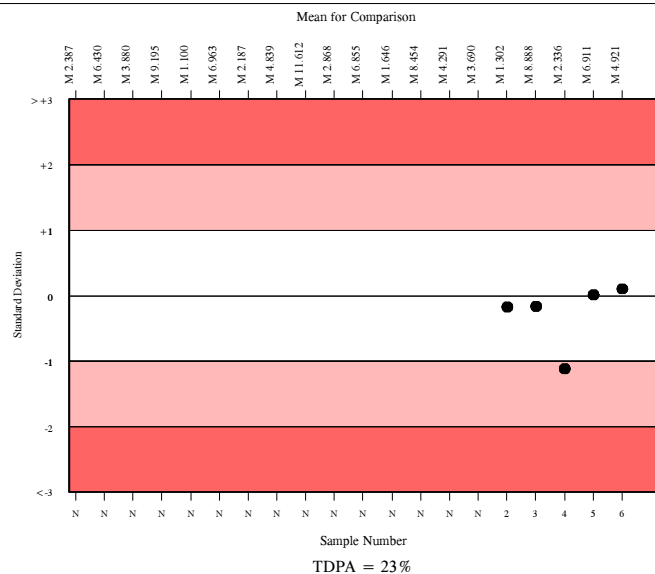
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	121	4.517	16.6	0.09	0.63	10
Siemens/DPC Immulite 2000	73	4.921	7.0	0.05	0.69	7

▲ Your Result	4.990	SDI	0.10
		RMSDI	Too Few
■ Mean for Comparison	4.921	TS	120
		RMTS	Too Few
		%DEV	1.4
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation	23.51%
Acceptable limits of performance for RIQAS	23.00%



Method	N	Mean	CV%	U <sub>m</sub>
Siemens/DPC Immulite 2000	73	4.921	7.0	0.05
Siemens/DPC Immulite 1000	16	4.043	16.8	0.21
Beckman Coulter Active RIA	9	2.922	5.7	0.07
DRG, ELISA	6	3.882	4.4	0.09
DIAsource, RIA	4	3.867	16.8	0.41
Novatec ELISA	4	2.889	26.1	0.47
DiaMetra ELISA	2	2.910	32.1	0.82
Labor Diagnostike Nord ELISA	3	3.497	30.3	0.76

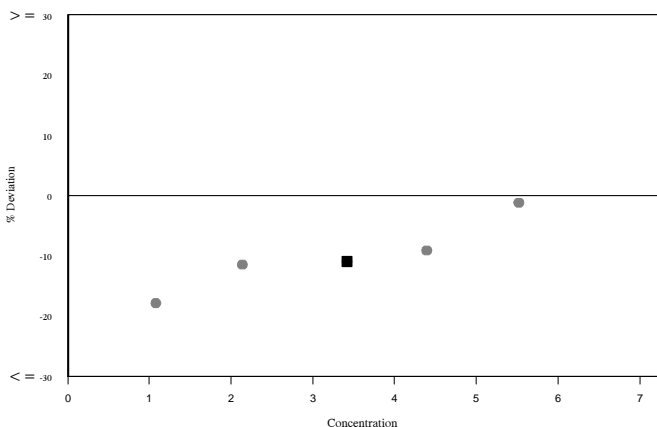
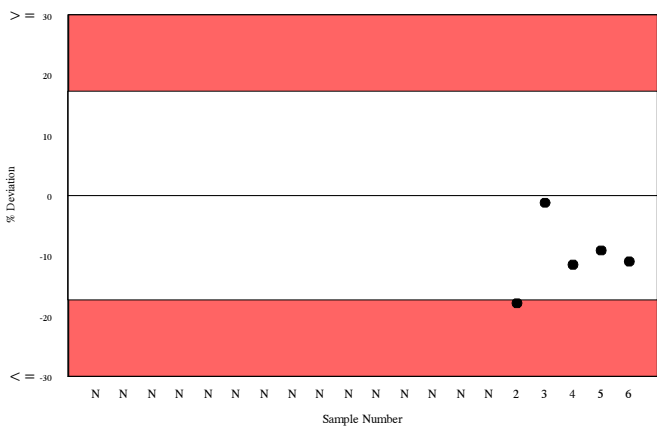
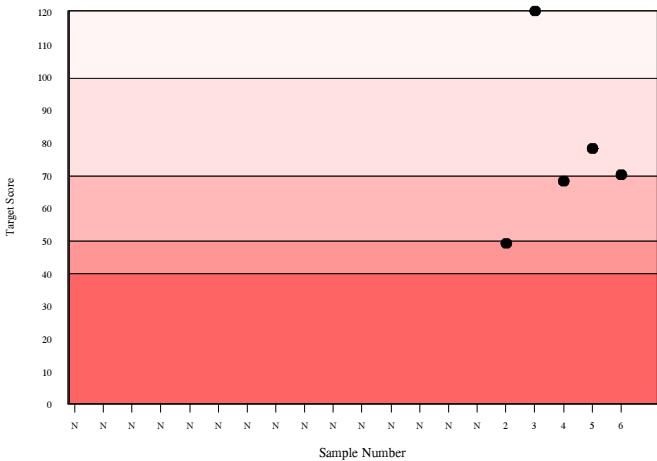
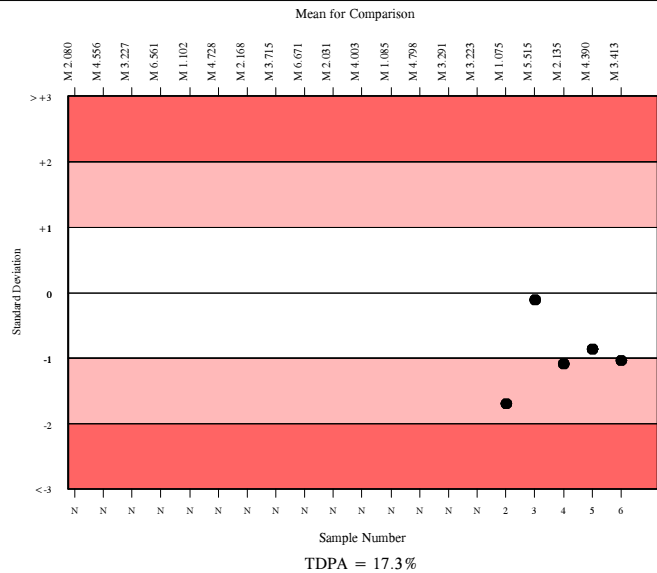
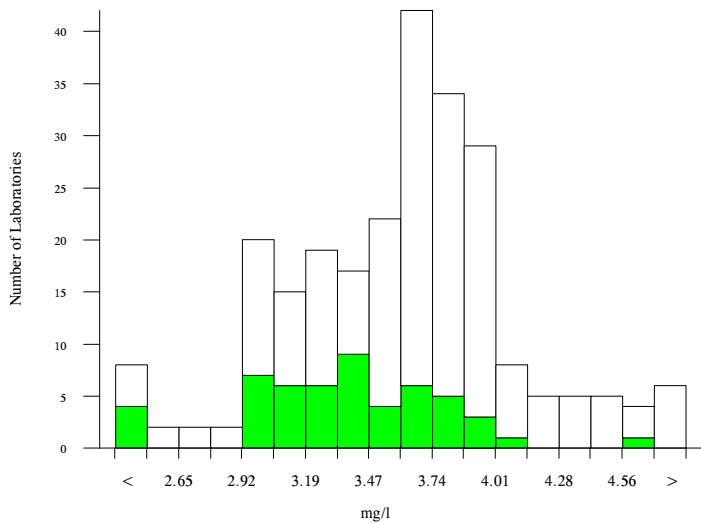


# Beta-2-Microglobulin, mg/l

	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	222	3.608	10.1	0.03	0.38	24
Siemens/DPC Immulite 2000/2500	46	3.413	8.5	0.05	0.36	7

▲ Your Result	3.040	SDI	-1.04
		RMSDI	Too Few
■ Mean for Comparison	3.413	TS	70
		RMTS	Too Few
		%DEV	-10.9
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation	9%
Acceptable limits of performance for RIQAS	17.30%



Method	N	Mean	CV%	U <sub>m</sub>
Siemens/DPC Immulite 2000/2500	46	3.413	8.5	0.05
Roche Cobas 6000/8000	37	3.798	3.8	0.03
bioMerieux, VIDAS	32	3.794	13.6	0.11
Abbott Architect	25	3.756	3.3	0.03
SNIBE Maglumi analysers	13	3.082	2.7	0.03
Siemens/Behring Nephelometer	9	3.698	3.4	0.05
Diasorin Liaison	11	3.133	9.4	0.11
Siemens/DPC Immulite 1000	7	3.515	3.7	0.06
Beckman AU400/600/640/2700/5400	6	3.727	5.3	0.10
Roche Tinaquant	4	4.029	1.3	0.03
Beckman Immage	4	3.798	24.1	0.57
Fujirebio Lumipulse G Series	4	3.040	5.9	0.11
Roche Cobas 4000/c311	4	3.880	3.2	0.08
Roche Modular P	4	3.793	5.7	0.14
TOSOH	4	4.309	8.1	0.22
Siemens Dimension	3	3.935	1.8	0.05
Biolatex Immunoassay	2	2.355	21.3	0.44
DakoCytomation PET kit	2	4.335	4.1	0.16
ELISA	2	4.650	10.6	0.44
Immunotech RIA	2	3.905	3.4	0.12



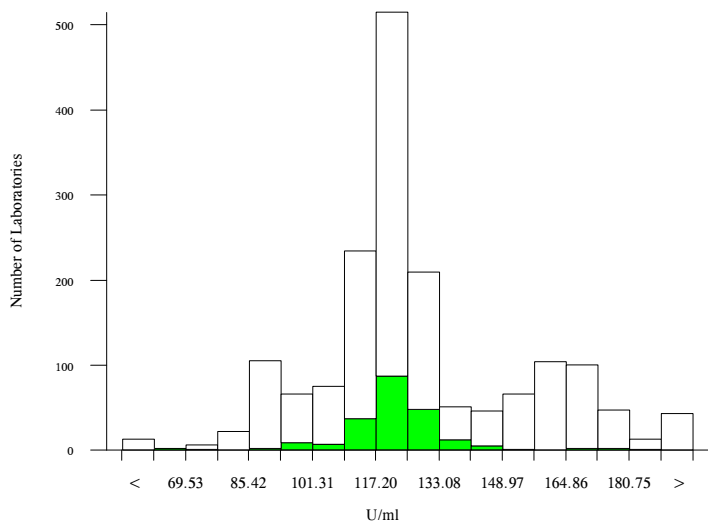
**RIQAS**

# CA 125, U/ml

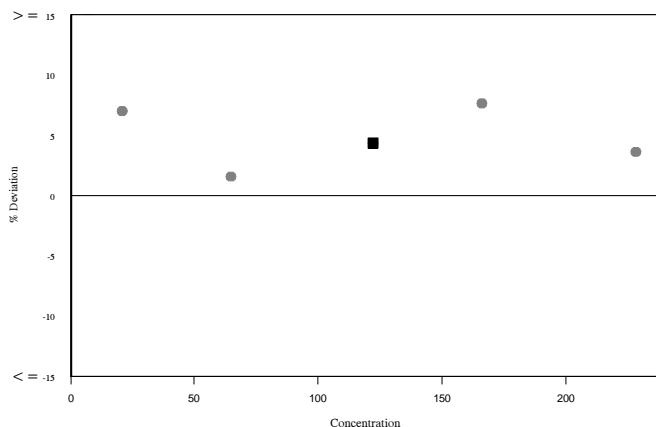
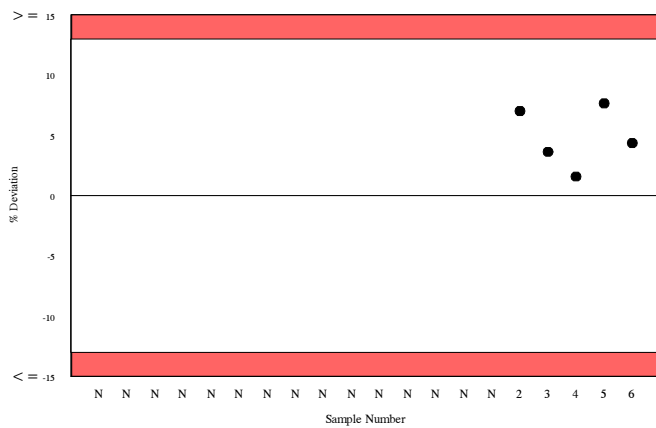
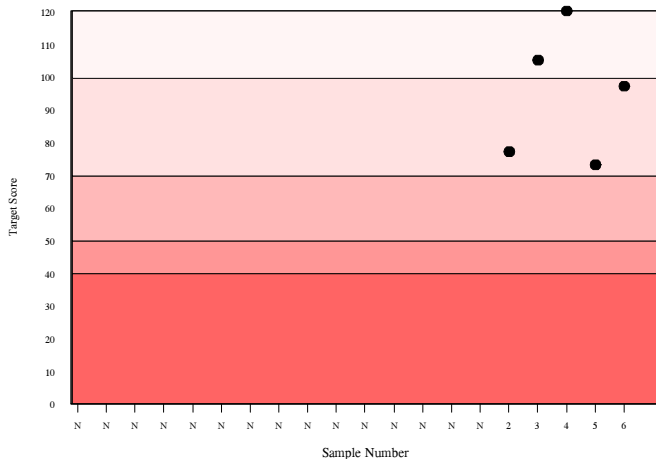
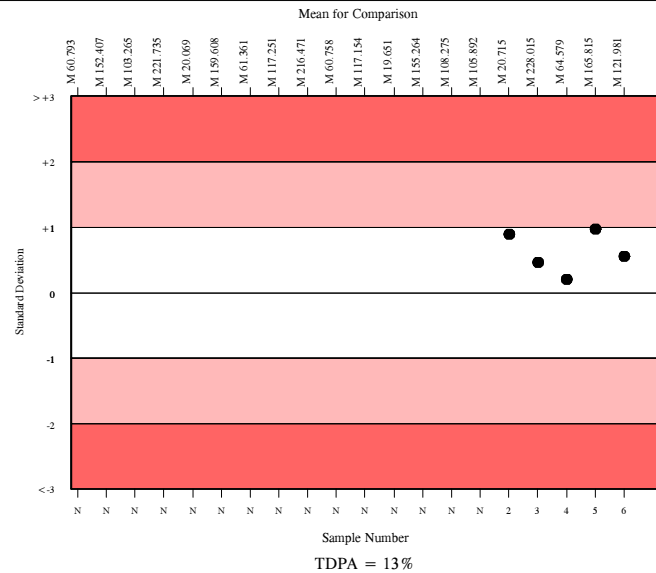
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	1601	125.145	16.9	0.66	9.89	115
Roche Cobas 4000/e411	190	121.981	5.6	0.62	9.64	26

▲ Your Result	127.300	SDI	0.55
		RMSDI	Too Few
■ Mean for Comparison	121.981	TS	97
		RMTS	Too Few
		%DEV	4.4
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation	35.4%
Acceptable limits of performance for RIQAS	13.00%



Method	N	Mean	CV%	U <sub>m</sub>
Roche Cobas 6000/8000	352	120.454	3.6	0.29
Abbott Architect	312	162.620	5.7	0.66
Roche Cobas 4000/e411	190	121.981	5.6	0.62
Beckman DxI 600 / 800	123	91.034	4.9	0.50
Centaur XP/XPT/Classic, CA125 II Kit	118	119.684	6.4	0.89
bioMerieux, VIDAS	86	124.043	4.1	0.68
Roche Elecsys	49	121.135	6.1	1.33
Siemens Centaur XP/XPT/Classic OV Kit	44	118.750	6.5	1.45
Siemens/DPC Immulite 2000/2500	40	115.138	5.6	1.28
Ortho Vitros 3600/5600/ECi	33	120.660	3.3	0.86
Beckman Access/LXi725	28	90.286	4.8	1.03
Diasorin Liaison	29	171.624	10.0	4.00
TOSOH	26	238.508	5.9	3.43
SNIBE Maglumi analysers	22	114.656	4.7	1.45
Siemens Centaur CP CA125 II Kit	20	119.305	5.2	1.74
Roche Modular E170	20	121.225	3.9	1.34
Siemens/DPC Immulite 1000	16	127.625	6.2	2.46
Fujirebio Lumipulse G Series	13	113.823	6.5	2.58
CIS, IRMA	9	92.061	2.4	0.91
Siemens Dimension	6	214.342	2.3	2.54
Siemens Centaur CP OV Kit	3	124.533	5.1	4.54

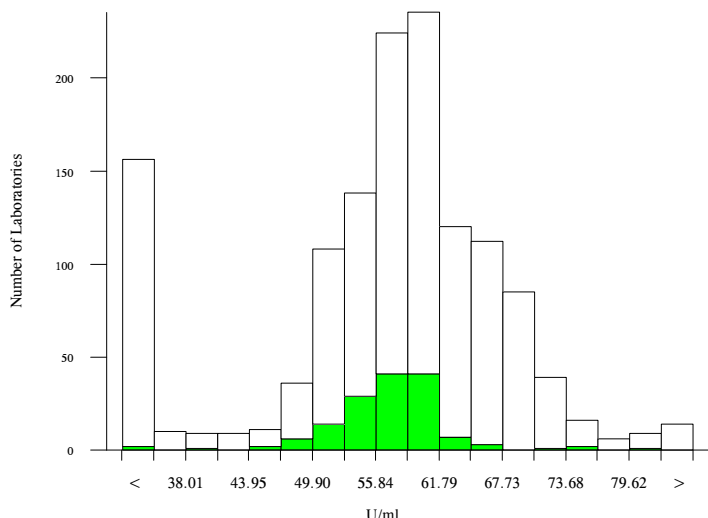


# CA 15-3, U/ml

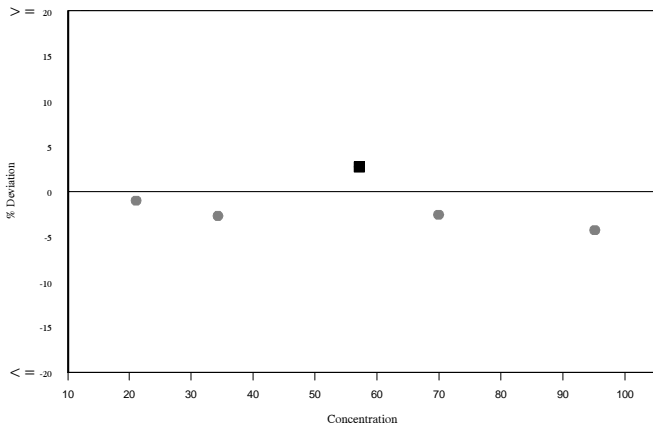
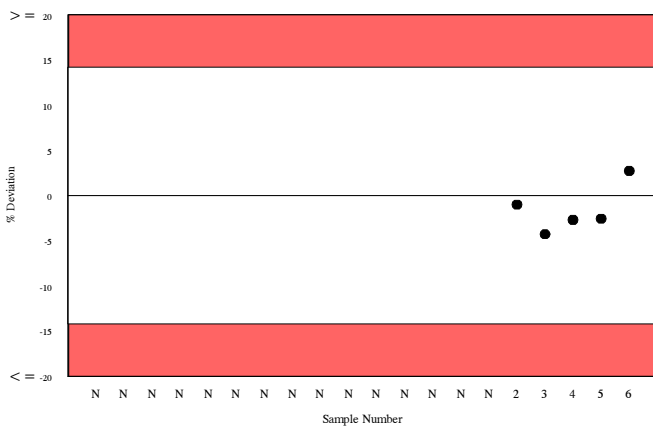
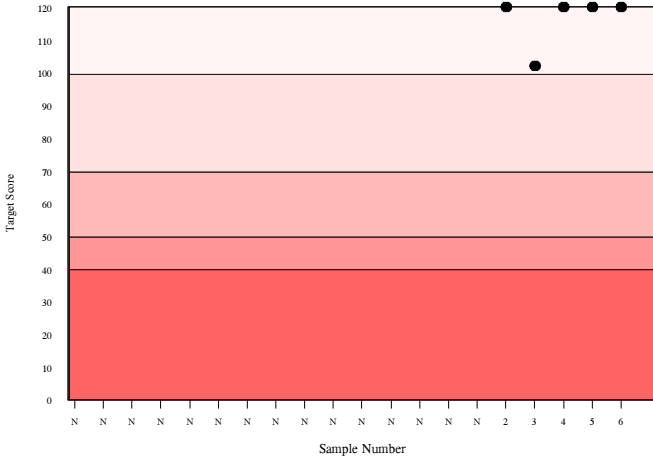
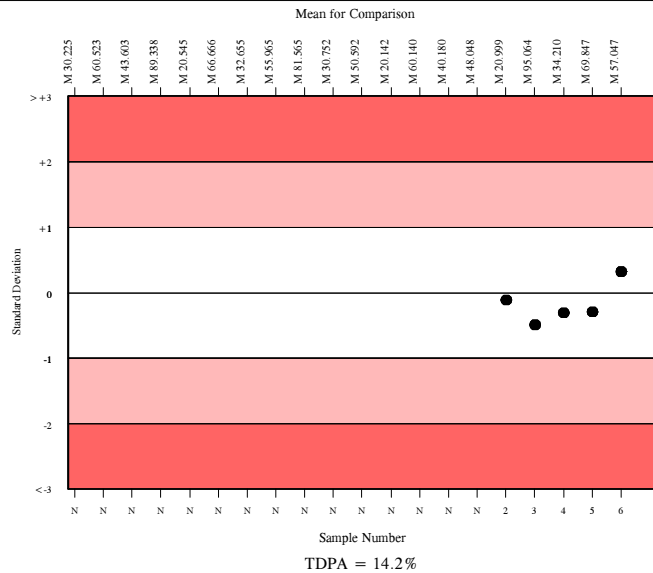
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	1188	58.821	13.5	0.29	5.08	149
Roche Cobas 4000/e411	134	57.047	5.8	0.35	4.92	16

▲ Your Result	58.610	SDI	0.32
		RMSDI	Too Few
■ Mean for Comparison	57.047	TS	120
		RMTS	Too Few
		%DEV	2.7
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation	20.8%
Acceptable limits of performance for RIQAS	14.20%



Method	N	Mean	CV%	U <sub>m</sub>
Roche Cobas 6000/8000	291	58.903	5.2	0.22
Abbott Architect	237	65.717	6.7	0.36
Roche Cobas 4000/e411	134	57.047	5.8	0.35
Siemens Centaur XP/XPT/Classic	135	57.206	7.6	0.47
Beckman DxI 600 / 800	112	30.874	7.2	0.26
BioMerieux VIDAS	61	51.974	5.4	0.45
Roche Elecsys	42	58.830	6.1	0.69
Siemens/DPC Immulite 2000/2500	32	71.252	10.1	1.59
Beckman Access/LXi725	27	31.624	8.5	0.65
SNIBE Maglumi analysers	20	67.497	2.5	0.48
TOSOH	23	60.057	9.7	1.51
Diasorin Liaison	21	56.505	6.6	1.02
Ortho Vitros 3600/5600/ECi	16	54.201	5.8	0.98
Roche Modular E170	16	57.928	2.2	0.40
Fujirebio Lumipulse G Series	9	70.678	2.4	0.70
CIS, IRMA	10	41.122	4.3	0.70
Siemens/DPC Immulite 1000	9	81.356	5.0	1.68
Siemens Centaur CP	9	54.589	7.7	1.75
Siemens Dimension	6	51.983	2.9	0.77
ELISA	1	31.900	0.0	0.00
Human ELISA	2	64.750	66.1	37.81



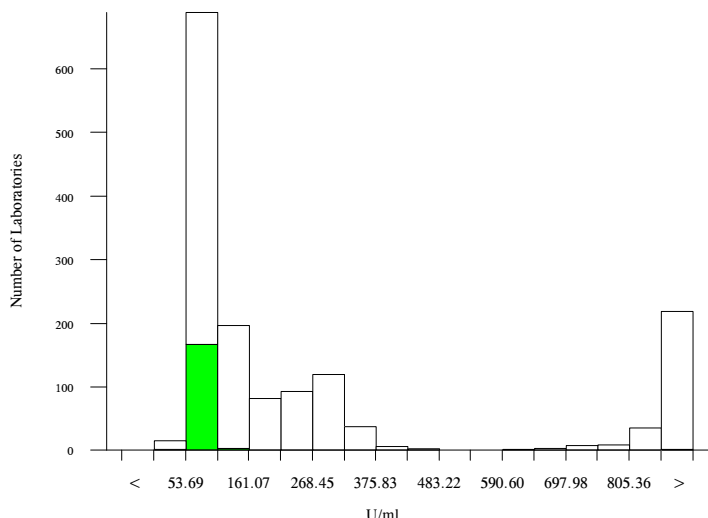


# CA 19-9, U/ml

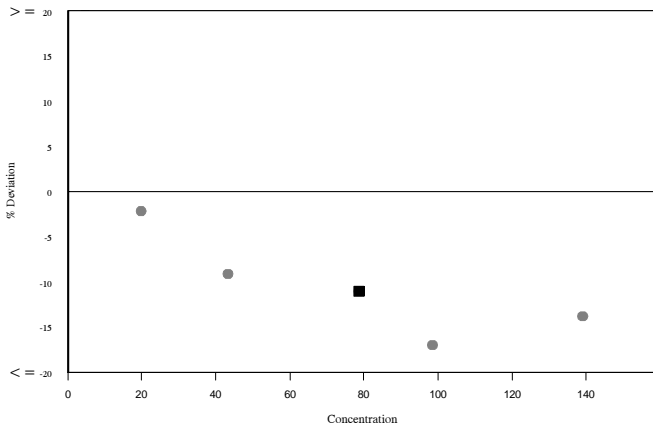
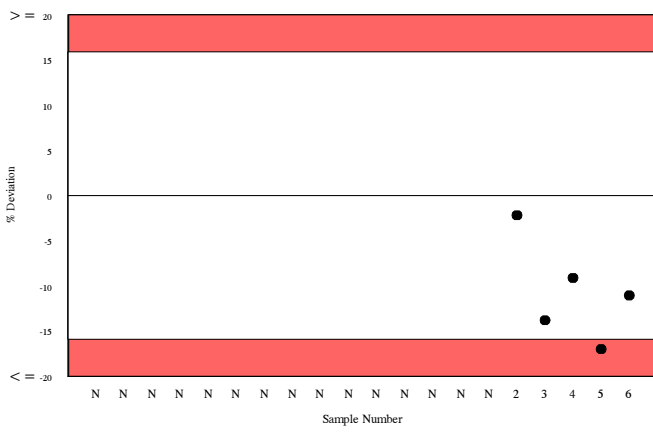
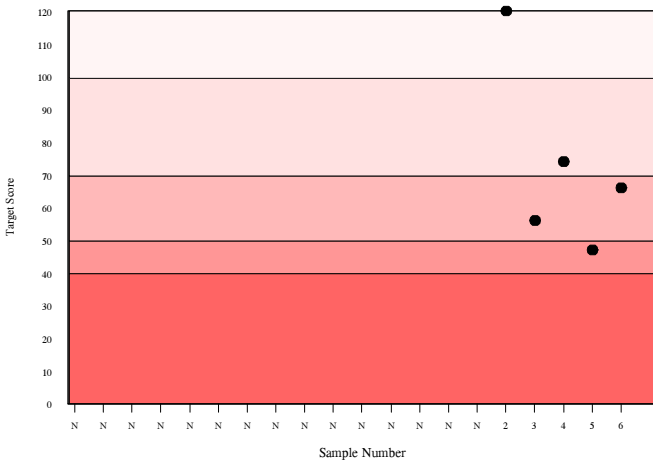
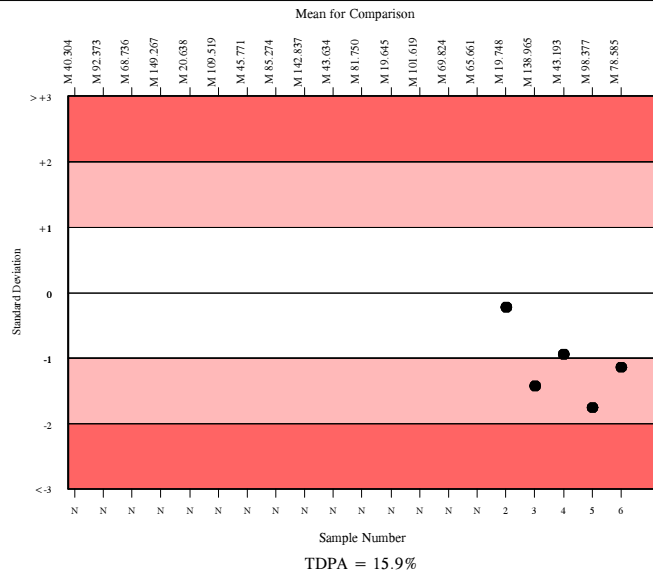
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	1355	198.337	111.0	7.48	20.58a	153
Roche Cobas 4000/e411	157	78.585	7.9	0.62	7.60	14

▲ Your Result	69.910	SDI	-1.14
		RMSDI	Too Few
■ Mean for Comparison	78.585	TS	66
		RMTS	Too Few
		%DEV	-11.0
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation	46.03%
Acceptable limits of performance for RIQAS	15.90%



Method	N	Mean	CV%	U <sub>m</sub>
Roche Cobas 6000/8000	326	74.649	4.6	0.24
Abbott Architect	166	936.479	8.7	7.93
Roche Cobas 4000/e411	157	78.585	7.9	0.62
Siemens Centaur XP/XPT/Classic	151	298.945	9.1	2.78
Beckman DxI 600 / 800	124	112.533	7.5	0.95
Abbott Architect XR/ XR2 kit	88	927.564	8.3	10.26
bioMerieux, VIDAS	83	221.193	6.3	1.92
Roche Elecsys	46	79.365	6.5	0.95
Siemens/DPC Immulite 2000/2500	39	121.195	10.2	2.46
Diasorin Liaison	27	183.258	10.8	4.78
Beckman Access/LXi725	23	124.414	6.5	2.12
SNIBE Maglumi analysers	24	125.065	7.6	2.41
TOSOH	23	57.445	5.6	0.84
Ortho Vitros 3600/5600/ECi	20	212.150	6.0	3.54
Roche Modular E170	20	75.419	3.9	0.83
Siemens Centaur CP	18	301.776	8.6	7.63
CIS, IRMA	12	72.615	9.3	2.45
Siemens/DPC Immulite 1000	8	125.875	6.9	3.85
Fujirebio Lumipulse G Series	11	175.373	4.8	3.16
Siemens Dimension	6	174.633	1.4	1.27
ELISA	2	106.200	19.0	17.87

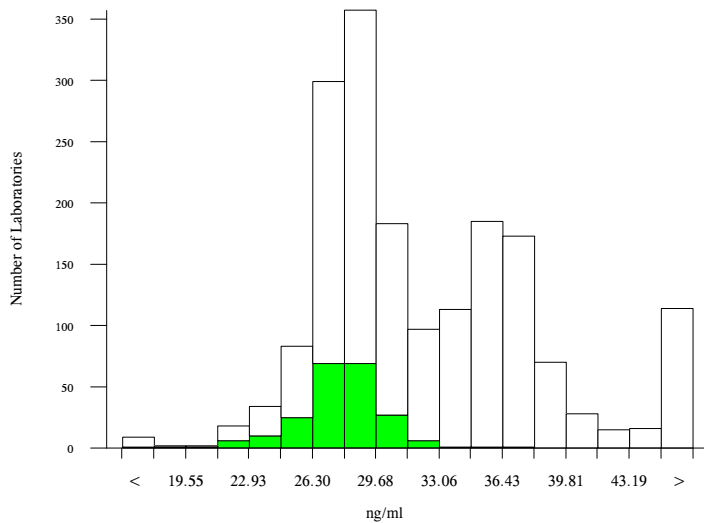


# CEA, ng/ml

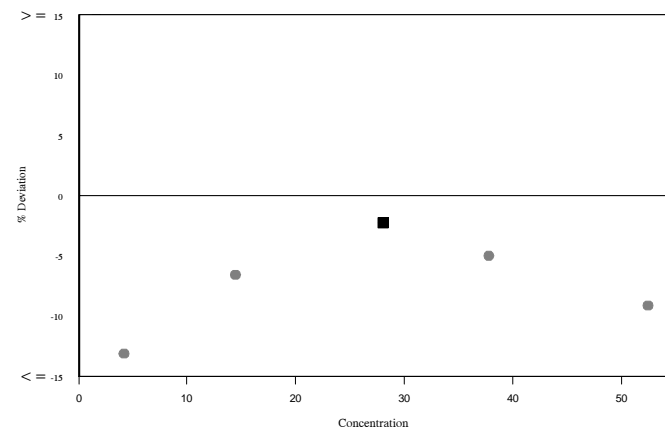
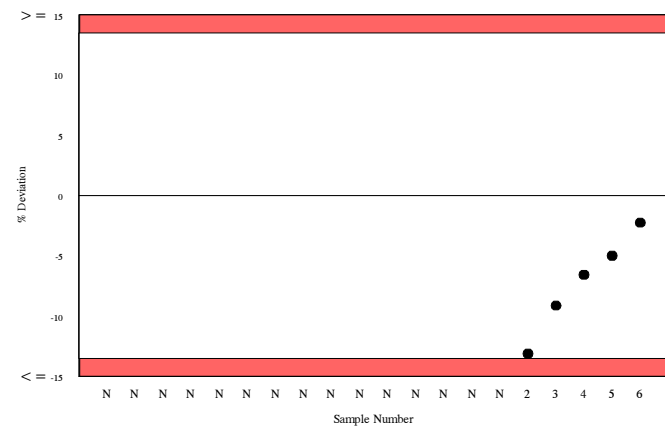
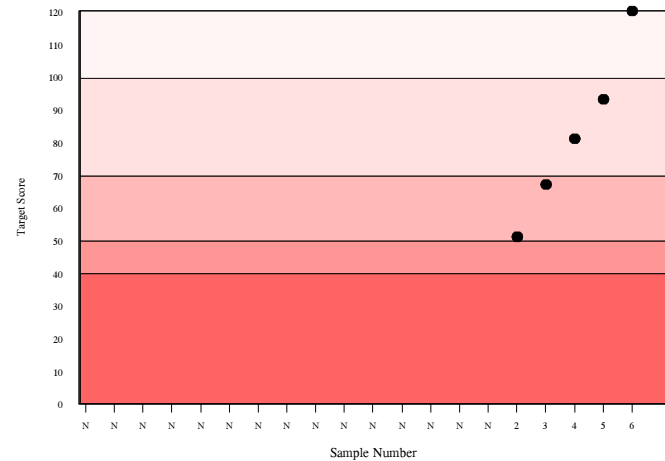
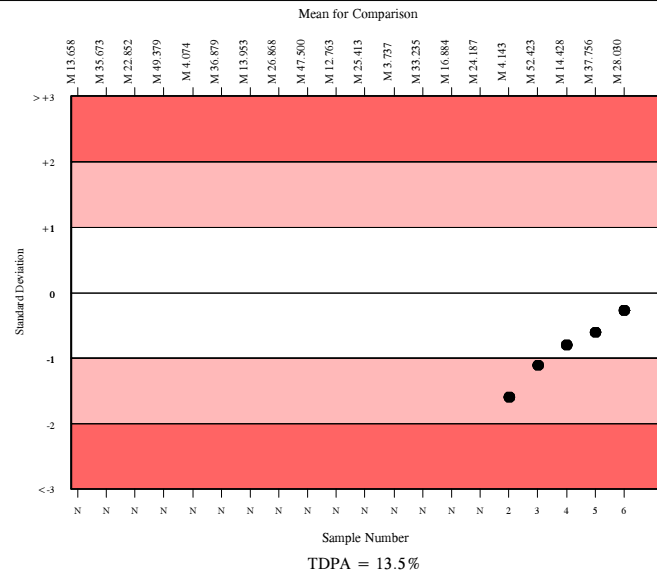
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	1666	31.372	14.4	0.14	2.57	133
Roche Cobas 4000/e411	199	28.030	5.7	0.14	2.30	19

▲ Your Result	27.400	SDI	-0.27
		RMSDI	Too Few
■ Mean for Comparison	28.030	TS	120
		RMTS	Too Few
		%DEV	-2.2
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation	24.7%
Acceptable limits of performance for RIQAS	13.50%



Method	N	Mean	CV%	U <sub>m</sub>
Roche Cobas 6000/8000	370	28.046	3.6	0.06
Abbott Architect	317	36.111	4.1	0.11
Roche Cobas 4000/e411	199	28.030	5.7	0.14
Siemens Centaur XP/XPT/Classic	169	36.791	6.9	0.24
Beckman DxI 600 / 800	139	29.522	4.9	0.15
bioMerieux, VIDAS	70	31.897	6.9	0.33
Siemens/DPC Immulite 2000/2500	53	46.842	5.9	0.48
Roche Elecsys	48	28.174	5.4	0.28
Beckman Access/LXi725	40	31.673	5.7	0.36
Ortho Vitros 3600/5600/ECi	36	34.448	4.1	0.30
Tosoh	34	49.827	5.0	0.54
Diasorin Liaison	29	29.399	9.5	0.65
SNIBE Maglumi analysers	23	25.952	5.7	0.39
Roche Modular E170	25	27.520	4.1	0.28
Siemens Centaur CP	19	36.263	4.8	0.50
Siemens/DPC Immulite 1000	18	48.617	5.6	0.81
CIS, RIA Coated tube	17	23.554	4.3	0.31
Fujirebio Lumipulse G Series	14	48.043	5.1	0.82
Siemens Dimension	7	30.653	1.8	0.26
Abbott AxSYM	2	30.785	12.3	3.36
Human ELISA	2	41.350	0.5	0.19

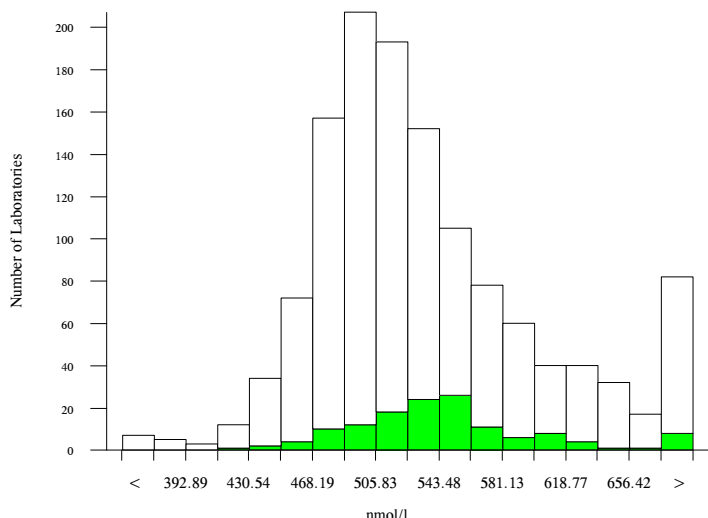
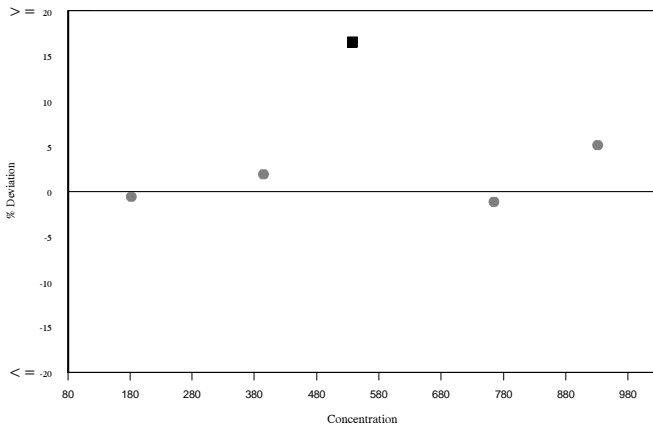
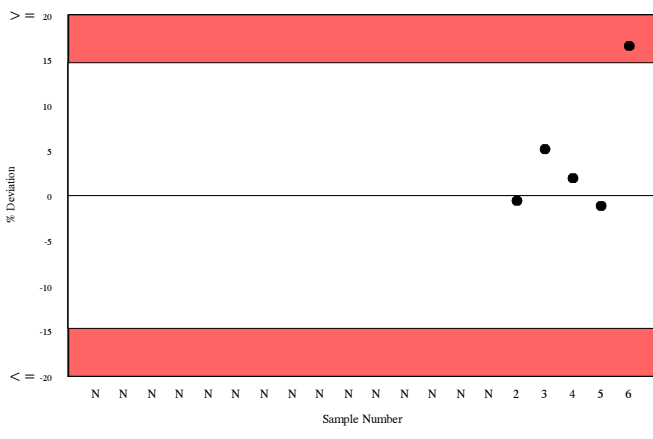
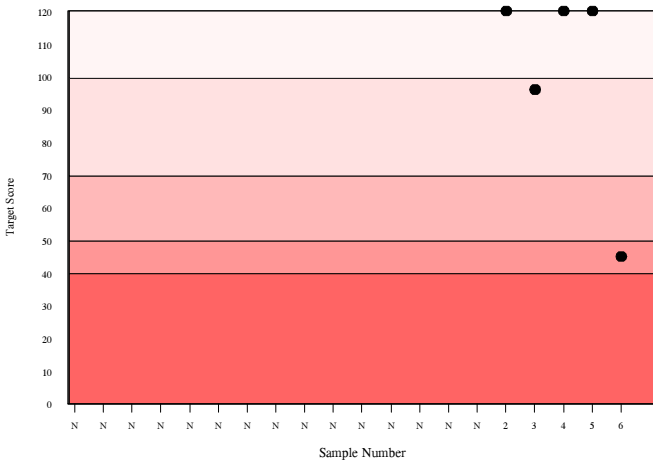
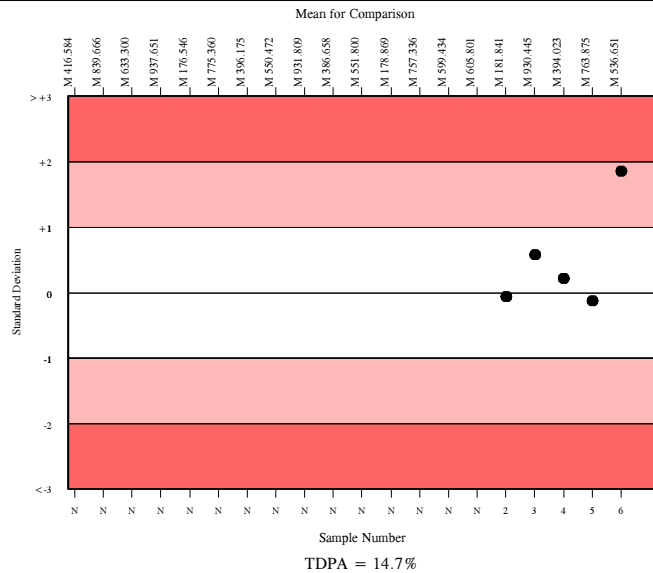


# Cortisol, nmol/l

	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	1186	524.661	9.6	1.82	46.89	112
Roche Cobas 4000/e411	122	536.651	7.4	4.47	47.96	14

▲ Your Result	625.500	SDI	1.85
		RMSDI	Too Few
■ Mean for Comparison	536.651	TS	45
		RMTS	Too Few
		%DEV	16.6
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation	22.8%
Acceptable limits of performance for RIQAS	14.70%
TS & %DEV outside limits	



Method	N	Mean	CV%	U <sub>m</sub>
Abbott Architect	227	500.029	4.5	1.86
Roche Cobas 6000/8000	174	515.474	7.7	3.74
Roche Cobas 4000/e411	122	536.651	7.4	4.47
Siemens Centaur XP/XPT/Classic	119	632.079	7.9	5.70
Roche Cobas 6000/8000 Gen II	110	489.432	4.0	2.33
Beckman Dxl 600 / 800	98	526.271	6.1	4.06
Siemens/DPC Immulite 2000/2500	65	540.905	7.3	6.16
Roche Elecsys	39	523.636	8.1	8.45
bioMerieux, VIDAS	30	464.452	13.6	14.39
Roche Cobas 4000/e411 Gen II	28	539.116	4.1	5.20
Ortho Vitros 3600/5600/ECi	25	490.154	4.7	5.74
Beckman Access/LXi725	24	538.582	6.1	8.42
Siemens/DPC Immulite 1000	20	577.622	11.2	18.06
Tosoh	19	540.365	8.2	12.73
SNIBE Maglumi analysers	16	637.037	2.5	4.88
Diasorin Liaison	14	715.036	6.7	15.92
CIS, RIA	13	473.487	4.3	7.01
Roche Modular E170	13	503.668	5.5	9.65
Siemens Centaur CP	9	668.145	14.1	39.21
Roche Modular E170 Gen II	9	492.970	2.4	4.87
Roche Elecsys Gen II	3	515.333	7.4	27.37



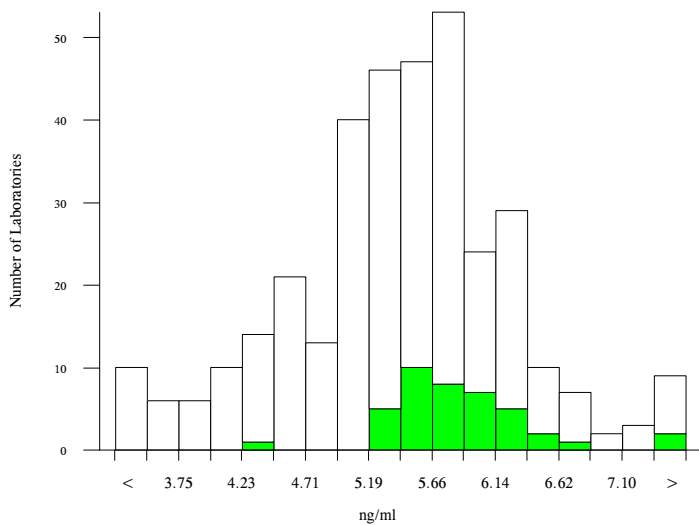
**RIQAS**

# C-Peptide, ng/ml

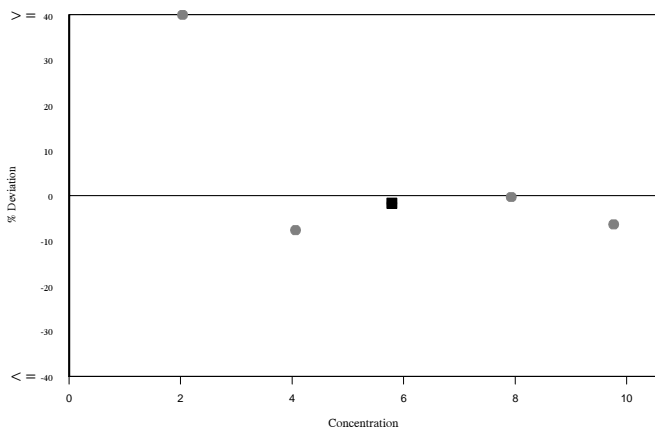
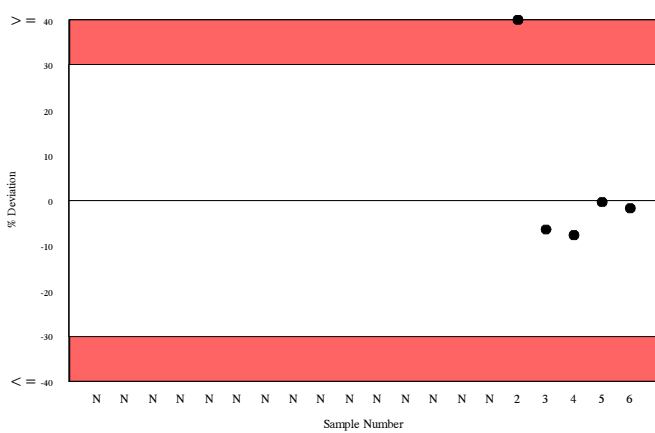
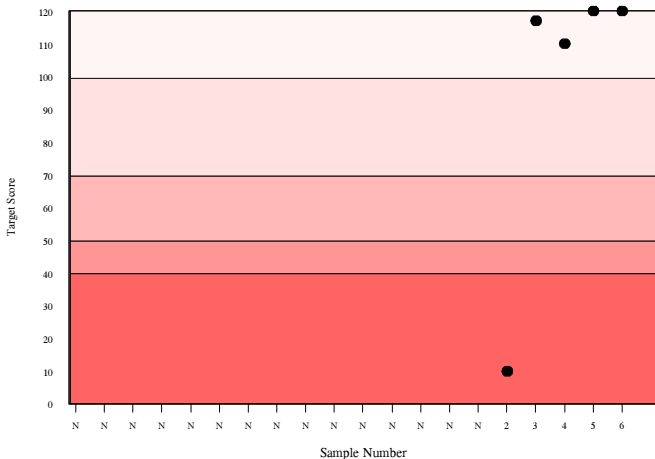
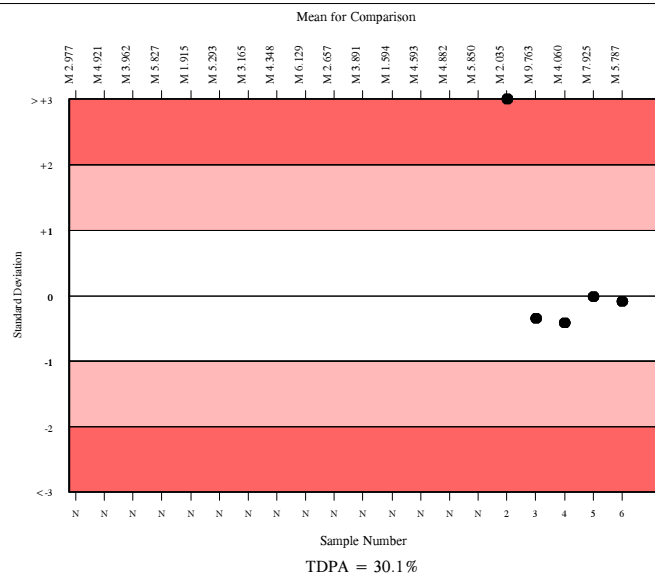
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	319	5.429	11.7	0.04	0.99	31
Roche Cobas 4000/e411	37	5.787	5.6	0.07	1.06	4

▲ Your Result	5.690	SDI	-0.09
		RMSDI	Too Few
■ Mean for Comparison	5.787	TS	120
		RMTS	Too Few
		%DEV	-1.7
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation	20.8%
Acceptable limits of performance for RIQAS	30.10%



Method	N	Mean	CV%	U <sub>m</sub>
Roche Cobas 6000/8000	67	5.775	4.9	0.04
Siemens/DPC Immulite 2000/2500	48	5.179	6.1	0.06
Abbott Architect	48	5.187	6.0	0.06
Roche Cobas 4000/e411	37	5.787	5.6	0.07
Siemens Centaur XP/XPT/Classic	27	4.294	6.0	0.06
SNIBE Maglumi analysers	22	5.947	13.6	0.21
TOSOH	16	5.367	5.6	0.09
Diasorin Liaison	11	6.803	5.6	0.14
Roche Elecsys	9	5.916	6.0	0.15
Siemens/DPC Immulite 1000	5	5.520	4.9	0.15
Roche Modular E170	4	5.700	7.0	0.25
DIAsource, RIA	3	3.823	16.9	0.47
ELISA	3	4.585	14.2	0.47
Fujirebio Lumipulse G Series	3	6.333	22.1	1.01
Monobind Inc. ELISA / CLIA	3	4.017	34.0	0.98
Siemens Centaur CP	2	3.807	9.2	0.31
DRG ELISA	2	5.480	7.2	0.35

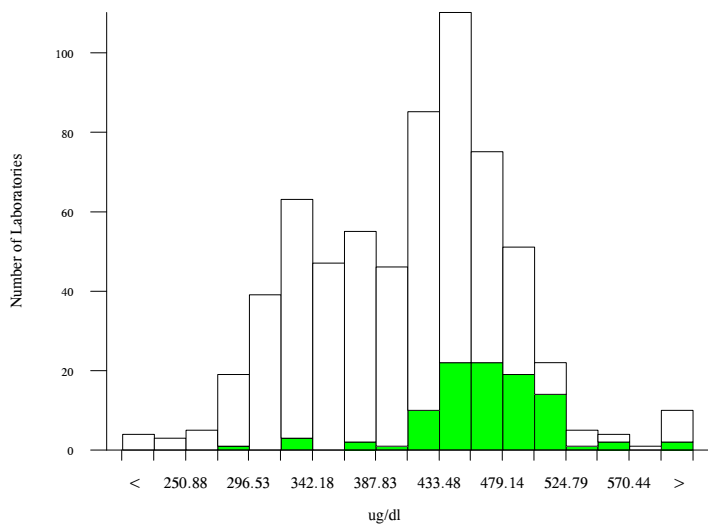


# DHEA-S, ug/dl

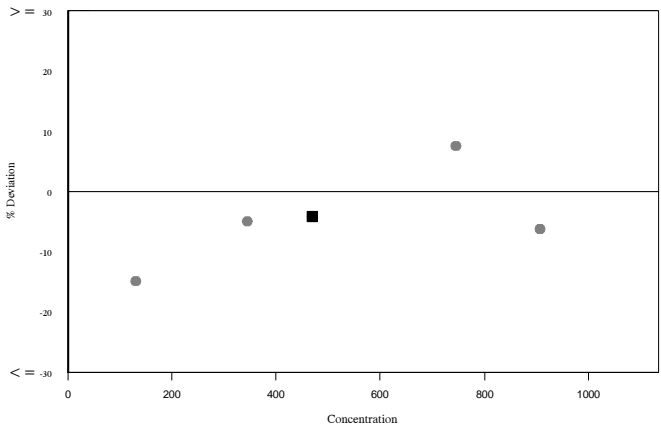
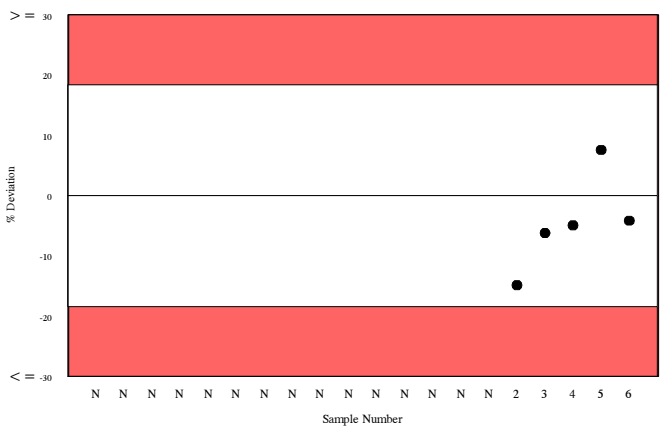
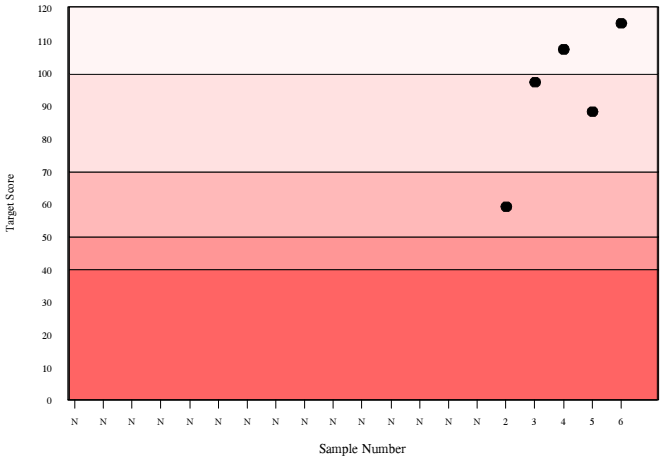
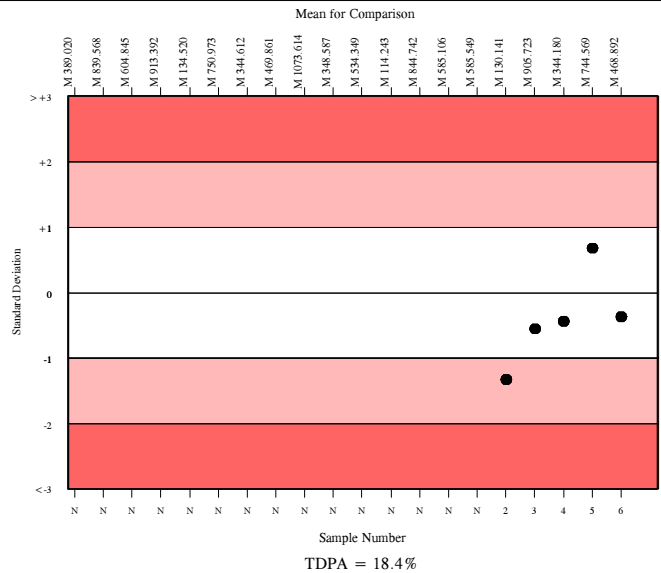
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	613	410.665	14.8	3.07	45.94	31
Roche Cobas 4000/e411	87	468.892	6.2	3.86	52.45	12

▲ Your Result	449.400	SDI	-0.37
		RMSDI	Too Few
■ Mean for Comparison	468.892	TS	115
		RMTS	Too Few
		%DEV	-4.2
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation	10.9%
Acceptable limits of performance for RIQAS	18.40%



Method	N	Mean	CV%	U <sub>m</sub>
Roche Cobas 6000/8000	133	458.022	5.1	2.54
Abbott Architect	97	421.262	5.6	2.97
Roche Cobas 4000/e411	87	468.892	6.2	3.86
Siemens/DPC Immulite 2000/2500	75	334.040	7.8	3.74
Beckman DxI 600 / 800	39	351.743	7.9	5.54
Siemens Centaur XP/XPT/Classic	25	319.073	6.6	5.23
Roche Elecsys	22	449.627	6.5	7.83
Siemens/DPC Immulite 1000	16	327.811	5.3	5.40
SNIBE Maglumi analysers	14	389.757	5.8	7.57
TOSOH	15	412.081	7.4	9.86
Diasorin Liaison	14	318.030	15.2	16.16
Roche Modular E170	14	459.992	5.2	7.94
Beckman Access/LXi725	11	358.407	6.7	9.01
Immunotech RIA	6	361.593	11.9	21.93
ELISA	5	421.166	42.0	98.79
Siemens Centaur CP	3	343.950	12.8	31.68

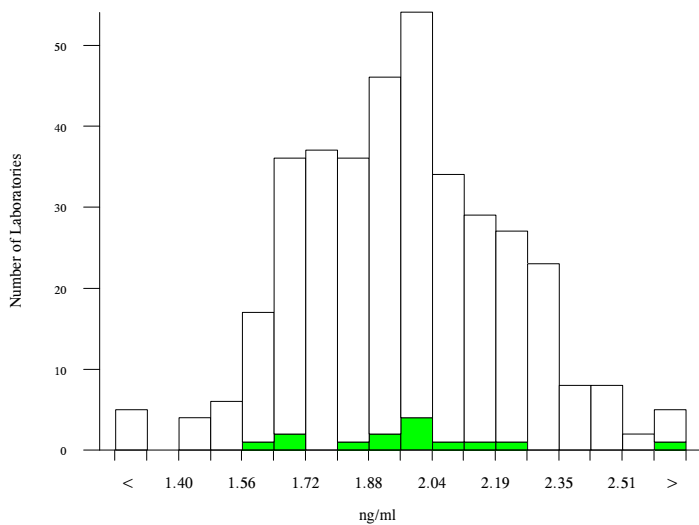


# Digoxin, ng/ml

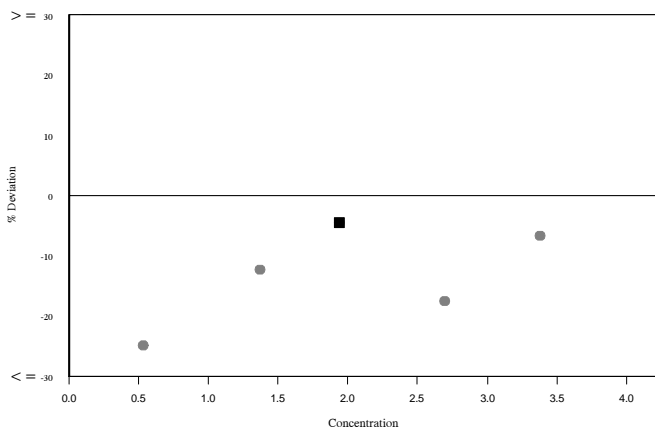
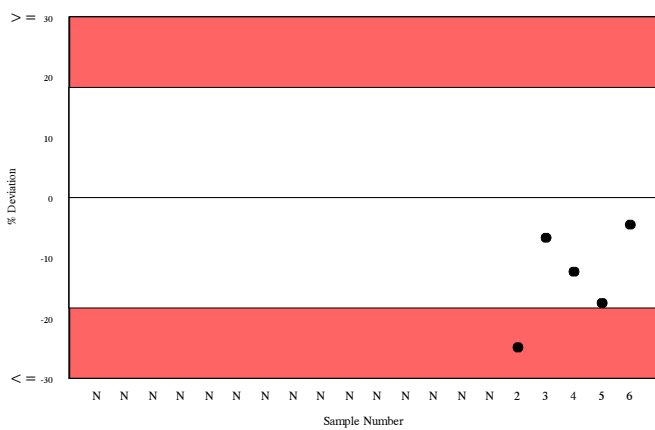
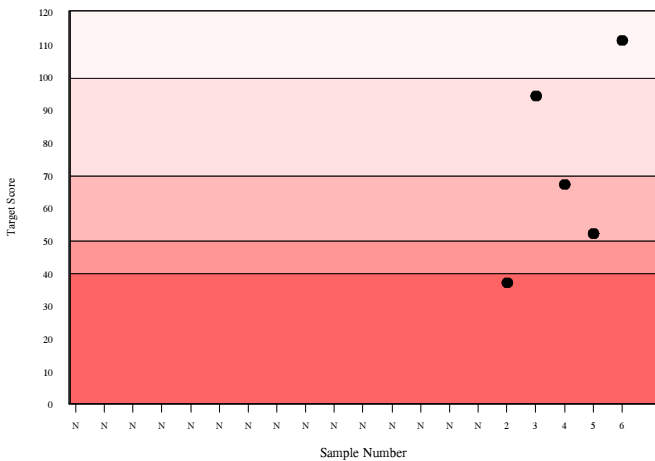
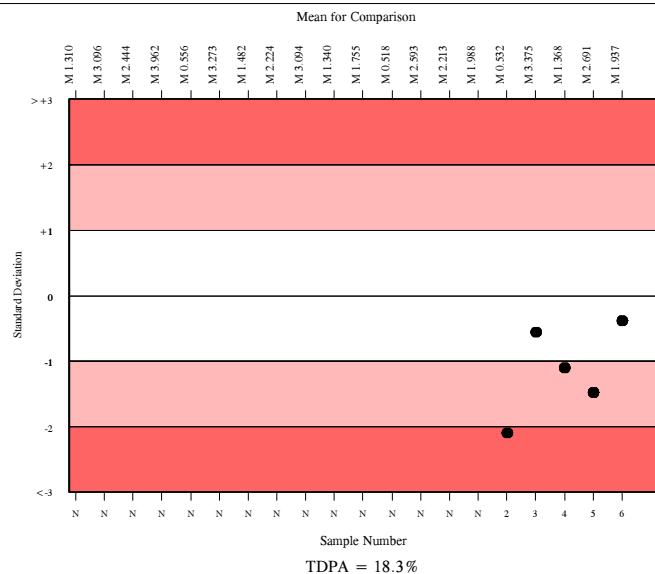
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	352	1.961	10.8	0.01	0.22	25
bioMerieux, VIDAS	13	1.937	10.0	0.07	0.23a	1

▲ Your Result	1.850	SDI	-0.39
		RMSDI	Too Few
■ Mean for Comparison	1.937	TS	111
		RMTS	Too Few
		%DEV	-4.5
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	18.30%



Method	N	Mean	CV%	U <sub>m</sub>
Abbott Architect (CMIA)	88	1.722	5.1	0.01
Roche Cobas E601/602	32	2.038	4.1	0.02
Siemens Centaur XP/XPT/Classic	28	2.267	5.9	0.03
Roche Cobas C501/502/701	27	1.954	4.1	0.02
Siemens Dimension	18	2.022	4.3	0.03
Abbott Architect (PETINIA)	18	1.877	9.4	0.05
Beckman Dxi 600 / 800	15	2.101	6.8	0.05
bioMerieux, VIDAS	13	1.937	10.0	0.07
Beckman AU400/600/640/2700/5400	13	2.067	5.7	0.04
Roche Cobas 4000/e411	11	2.170	7.5	0.06
Roche Integra	9	1.907	4.4	0.03
Siemens/DPC Immulite 2000/2500	8	2.282	4.8	0.05
SNIBE Maglumi analysers	7	2.334	0.8	0.01
Roche Elecsys	9	2.108	10.0	0.09
Vitros	7	1.861	3.3	0.03
Beckman DxC	7	1.844	8.9	0.08
Roche Cobas 4000/c311	6	2.040	9.6	0.10
Siemens ADVIA 1200/1650/1800/2400	5	1.944	4.3	0.05
Siemens/DPC Immulite 1000	3	2.410	9.1	0.16
Roche Modular E170	4	2.050	6.3	0.08
Siemens Centaur CP	3	2.310	2.4	0.04

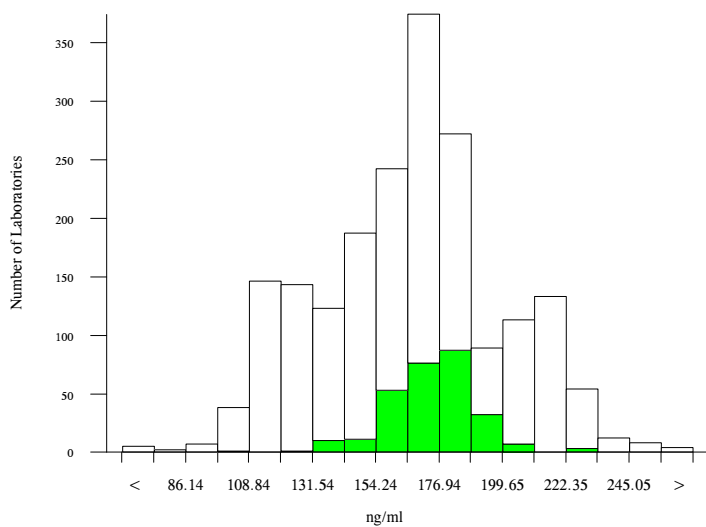


# Ferritin, ng/ml

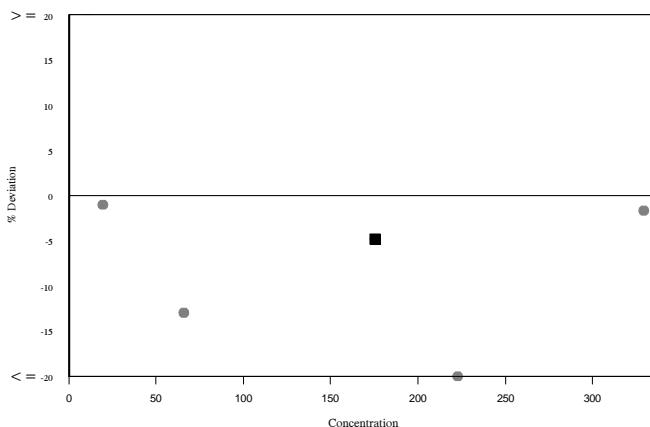
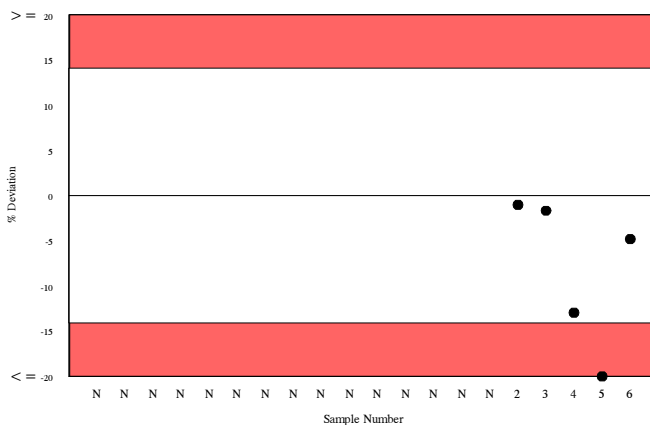
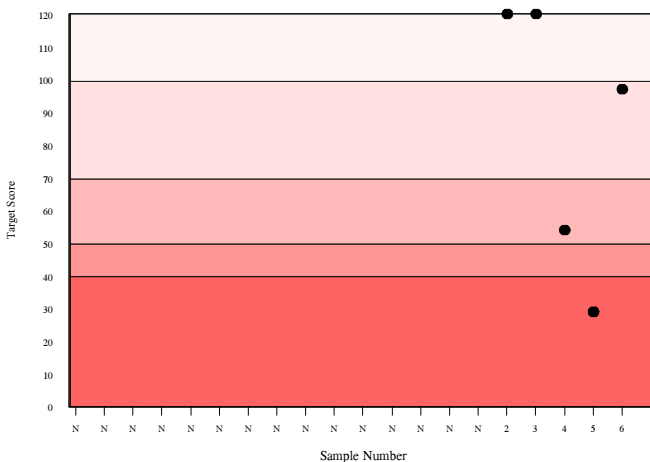
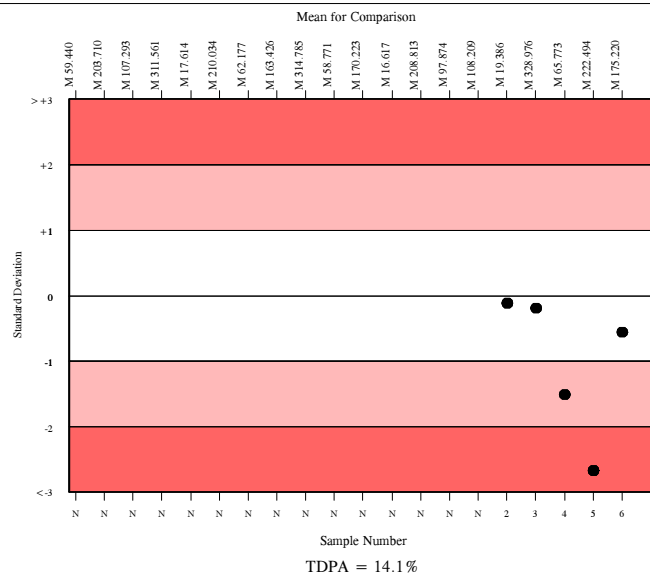
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	1901	165.599	18.3	0.87	14.20	51
Roche Elecsys / Cobas e411	262	175.220	6.9	0.93	15.02	19

▲ Your Result	166.800	SDI	-0.56
		RMSDI	Too Few
■ Mean for Comparison	175.220	TS	97
		RMTS	Too Few
		%DEV	-4.8
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation	16.9%
Acceptable limits of performance for RIQAS	14.10%



Method	N	Mean	CV%	U <sub>m</sub>
Roche Modular E170 / Cobas e601/e602	391	172.419	4.8	0.52
Abbott Architect Chemiluminescence	308	213.435	4.7	0.71
Roche Elecsys / Cobas e411	262	175.220	6.9	0.93
Siemens Centaur XP/XPT/Classic	190	164.137	6.4	0.95
Beckman DxI 600 / 800	157	121.114	6.0	0.73
bioMerieux, VIDAS	63	137.948	10.4	2.25
Beckman Access/LXi725	54	119.837	6.5	1.32
Siemens/DPC Immulite 2000/2500	48	154.503	6.4	1.78
Ortho Vitros 3600/5600/ECi	45	114.461	5.6	1.19
Roche Cobas C501/502/701	44	153.401	10.5	3.03
Diasorin Liaison	37	172.755	8.6	3.06
Tosoh	28	118.183	5.5	1.53
Siemens Centaur CP	25	153.306	9.3	3.56
Beckman AU400/600/640/2700/5400	22	145.844	2.7	1.05
Roche Cobas 4000/c311	24	166.521	9.5	4.05
Siemens Dimension	22	156.461	5.4	2.27
Siemens/DPC Immulite 1000	21	138.851	7.0	2.64
SNIBE Maglumi analysers	18	143.877	2.9	1.21
Roche Integra	10	175.715	5.1	3.55
Fujirebio Lumipulse G Series	8	101.075	2.6	1.18
Roche Tinaquant	7	143.114	7.3	4.97



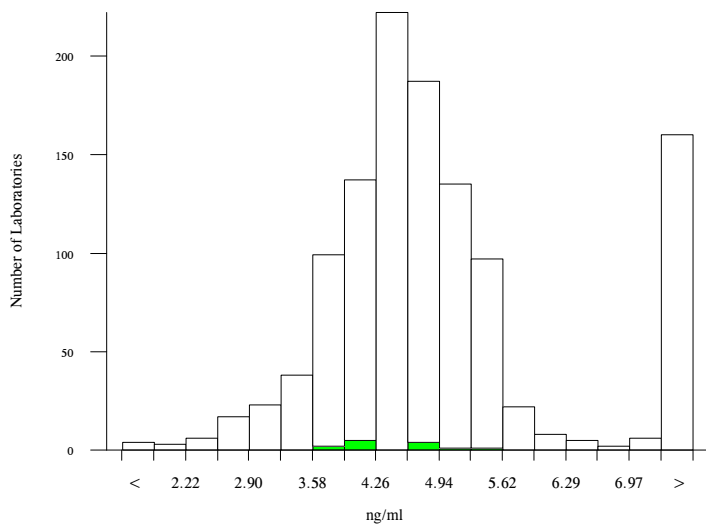
**RIQAS**

# Folate, ng/ml

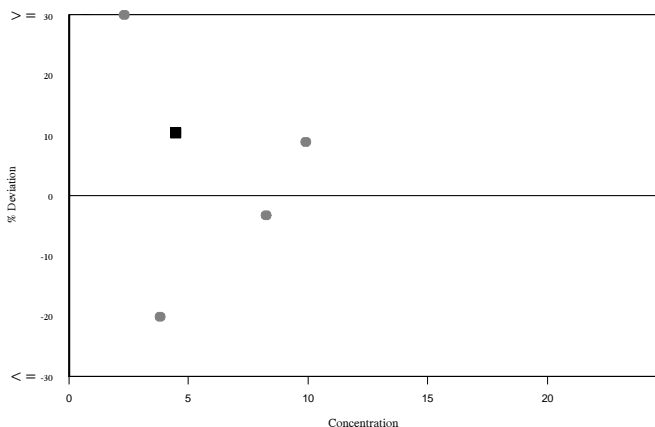
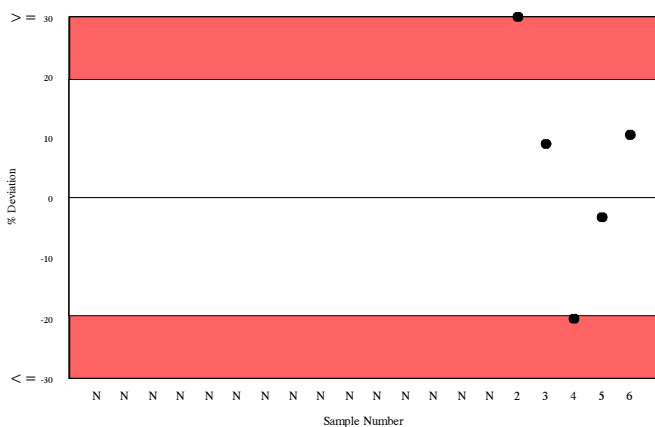
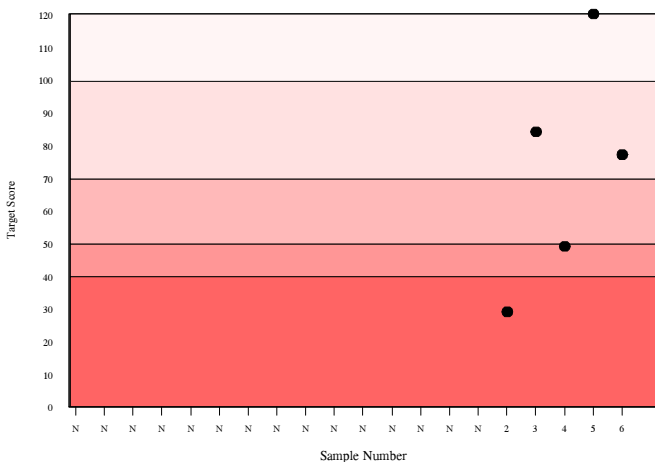
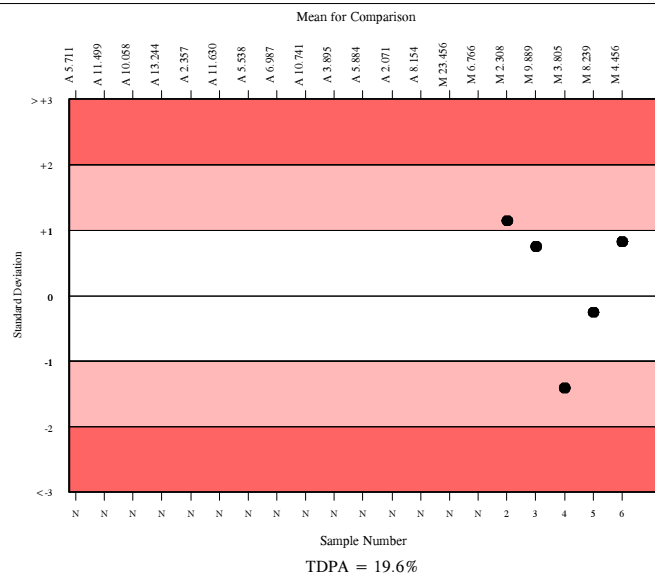
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	1032	4.602	19.7	0.04	0.55	139
Roche Folate III - 04476433	13	4.456	12.8	0.20	0.57a	0

▲ Your Result	4.920	SDI	0.82
		RMSDI	Too Few
■ Mean for Comparison	4.456	TS	77
		RMTS	Too Few
		%DEV	10.4
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation	39%
Acceptable limits of performance for RIQAS	19.60%



Method	N	Mean	CV%	U <sub>m</sub>
Abbott Architect	231	4.357	10.5	0.04
Siemens Centaur XP/XPT/Classic(enhanced)	130	10.103	11.1	0.12
Roche Cobas 6000/8000	107	4.594	8.6	0.05
Roche Cobas 6000/8000 Folate III	111	4.578	8.0	0.04
Roche Cobas 4000/e411	84	4.211	14.5	0.08
Beckman DxI 600 / 800 - A98032	74	5.213	5.5	0.04
Roche Folate III - 07559992	61	4.594	8.1	0.06
Beckman DxI 600 / 800 - A14208	56	5.155	5.5	0.05
Roche cobas 4000/e411 Folate III	44	4.498	12.7	0.11
Siemens/DPC Immulite 2000	38	3.758	7.6	0.06
Beckman Access/LXi725	31	5.126	5.9	0.07
Ortho Vitros 3600/5600/ECi	17	3.027	10.2	0.09
Roche Elecsys	17	4.368	17.8	0.24
Roche Folate III - 04476433	13	4.456	12.8	0.20
SNIBE Maglumi Analyser	11	5.219	1.8	0.04
TOSOH	10	7.551	6.8	0.20
Roche Modular E170	7	4.367	2.0	0.04
Siemens Dimension	8	2.759	6.1	0.07
Roche Modular E170 Folate III	8	4.771	6.5	0.14
Siemens Centaur CP (enhanced kit)	5	11.311	22.2	1.40
MP Biomedicals RIA	4	3.725	4.1	0.10



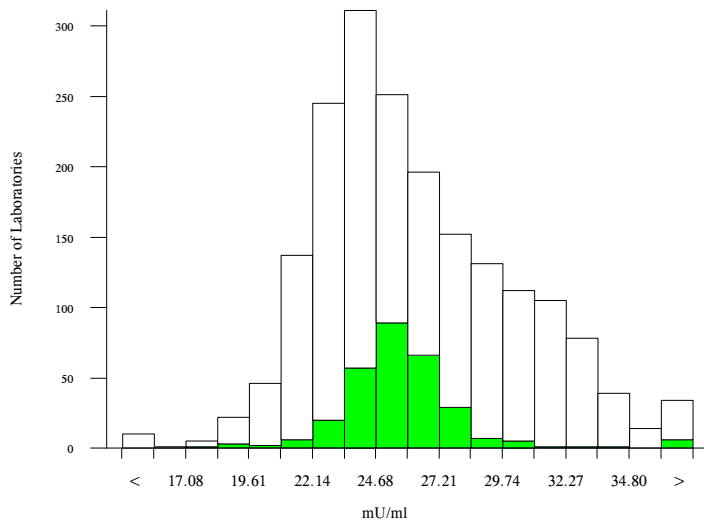


# FSH, mU/ml

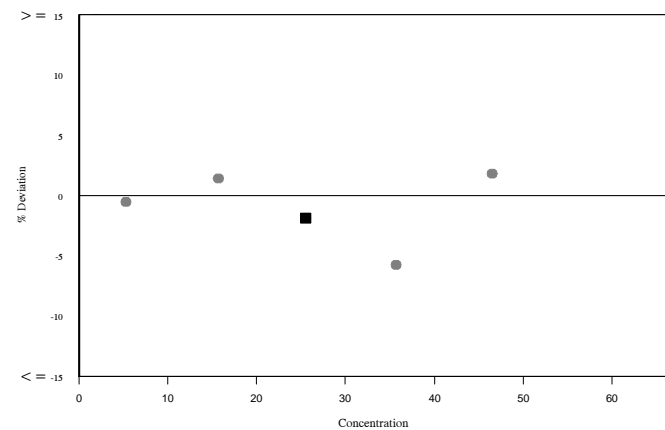
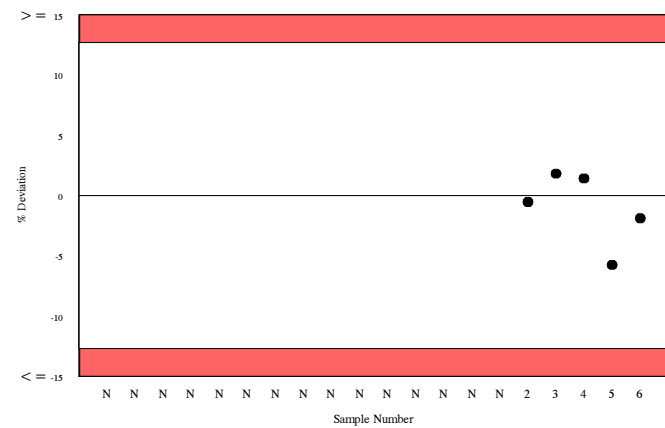
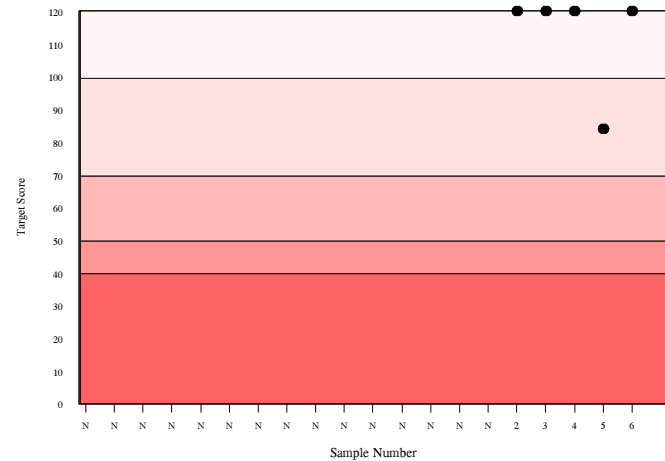
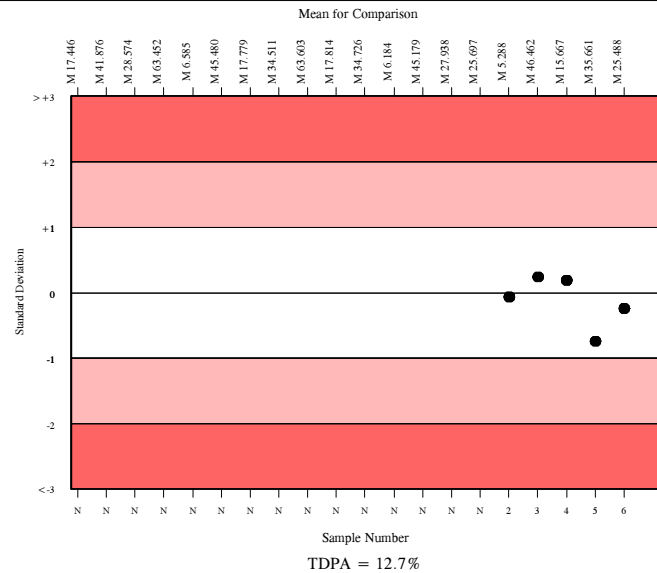
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	1792	25.948	13.0	0.10	2.00	98
Roche Cobas 4000/e411	271	25.488	5.9	0.11	1.97	23

▲ Your Result	25.010	SDI RMSDI	-0.24 Too Few
■ Mean for Comparison	25.488	TS RMTS	120 Too Few
		%DEV RM%DEV	-1.9 Too Few

Acceptable limits derived from Biological Variation	21.19%
Acceptable limits of performance for RIQAS	12.70%



Method	N	Mean	CV%	U <sub>m</sub>
Roche Cobas 6000/8000	371	24.407	4.2	0.07
Abbott Architect	296	22.498	4.4	0.07
Roche Cobas 4000/e411	271	25.488	5.9	0.11
Siemens Centaur XP/XPT/Classic	167	31.908	5.1	0.16
Beckman DxI 600/800	139	27.863	5.8	0.17
bioMerieux, VIDAS	89	31.187	6.1	0.25
Siemens/DPC Immulite 2000/2500	64	28.487	6.5	0.29
Roche Elecsys	54	25.861	8.2	0.36
Beckman Access/LXi725	44	28.149	5.4	0.29
Ortho Vitros 3600/5600/ECi	40	20.207	4.0	0.16
Tosoh	37	28.076	5.9	0.34
Siemens/DPC Immulite 1000	30	28.788	6.3	0.41
Diasorin Liaison	29	31.736	11.0	0.81
Roche Modular E170	23	23.963	2.9	0.18
SNIBE Maglumi analysers	24	29.443	5.7	0.43
Siemens Centaur CP	23	27.754	8.4	0.60
Fujirebio Lumipulse G Series	10	21.480	4.9	0.42
DIAsource, IRMA	5	23.842	8.5	1.14
Human ELISA	3	48.600	37.0	12.99
Immunotech IRMA	3	20.967	6.4	0.97
Siemens Dimension	2	21.585	4.5	0.86

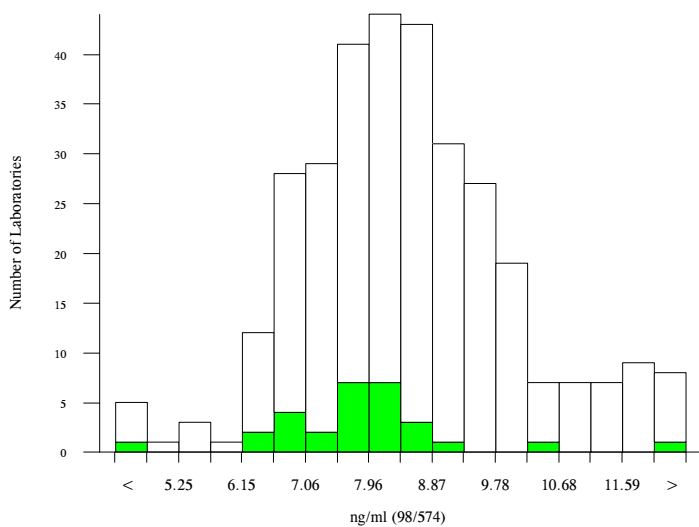


# GH, ng/ml (98/574)

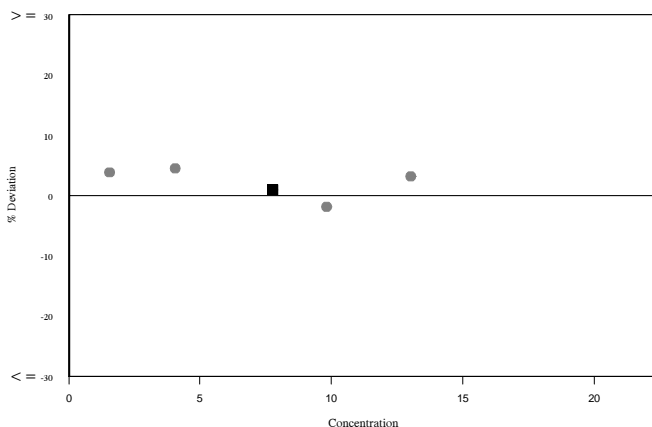
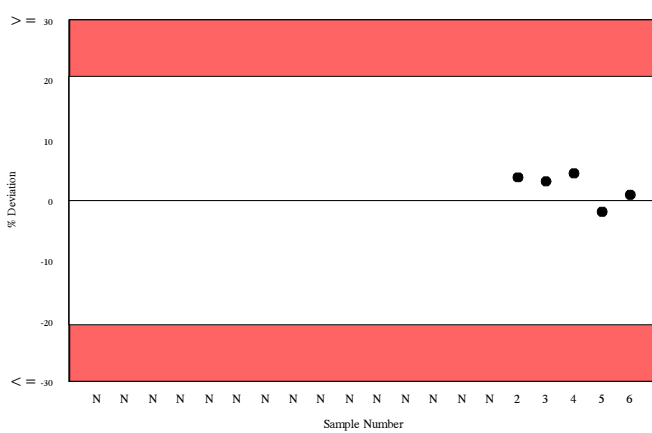
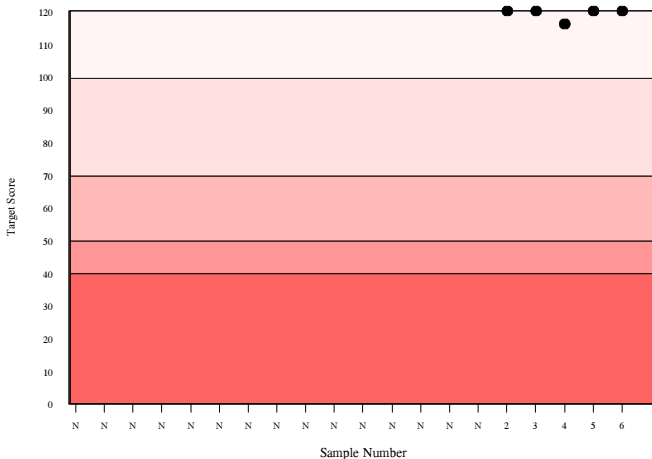
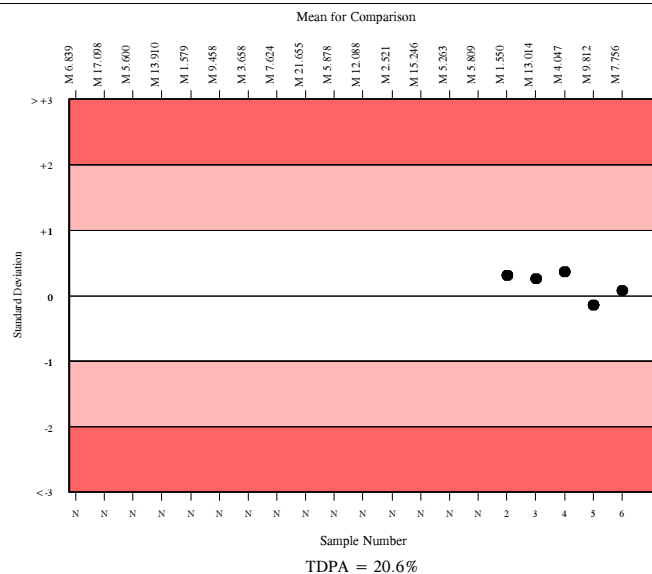
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
<span style="color: black;">□</span> All Methods	297	8.421	14.3	0.09	1.05	25
<span style="color: green;">■</span> Roche Cobas 4000/e411	26	7.756	9.2	0.18	0.97	3

<span style="color: black;">▲</span> Your Result	7.830	SDI	0.08
		RMSDI	Too Few
<span style="color: green;">■</span> Mean for Comparison	7.756	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	20.60%



Method	N	Mean	CV%	U <sub>m</sub>
Siemens/DPC Immulite 2000/2500	105	9.274	7.7	0.09
Roche Cobas 6000/8000	38	7.558	9.4	0.14
Roche Cobas 4000/e411	26	7.756	9.2	0.18
Siemens/DPC Immulite 1000	24	8.499	6.1	0.13
Diasorin Liaison	23	7.346	7.0	0.13
Beckman DxI 600 / 800	21	7.156	4.0	0.08
SNIBE Maglumi analysers	14	11.441	3.9	0.15
Beckman Access/LXi725	9	7.143	7.3	0.22
IDS iSYS	8	8.101	9.2	0.33
Tosoh	7	9.590	3.9	0.18
CIS, IRMA	5	7.591	10.6	0.45
Roche Elecsys	3	6.923	10.5	0.53
DIAsource IRMA	2	6.524	35.2	2.03
Roche Modular E170	2	8.140	0.7	0.05



# hCG, mU/ml

	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	2111	174.340	9.6	0.45	14.73	276
Roche hCG+Beta	858	178.417	5.0	0.38	15.08	79

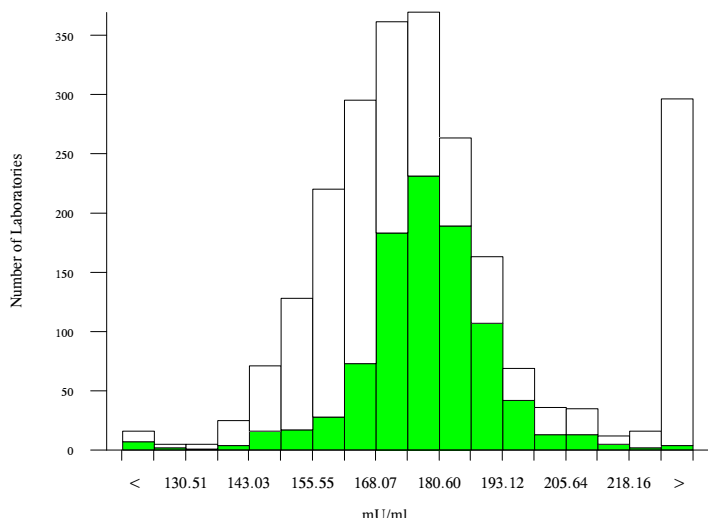
▲ Your Result	146.300	SDI	-2.13
		RMSDI	Too Few
■ Mean for Comparison	178.417	TS	39
		RMTS	Too Few
		%DEV	-18.0
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation: N/A

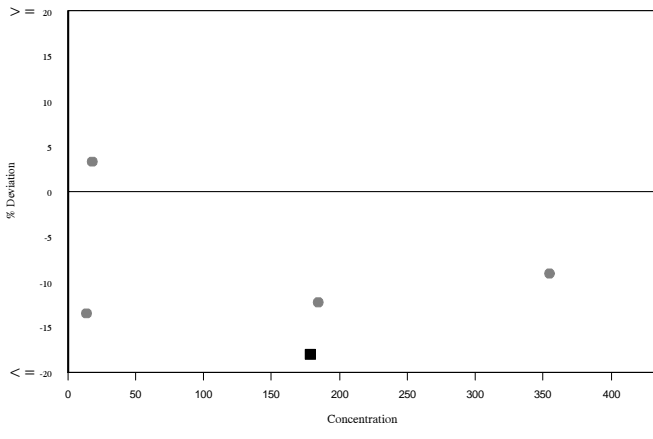
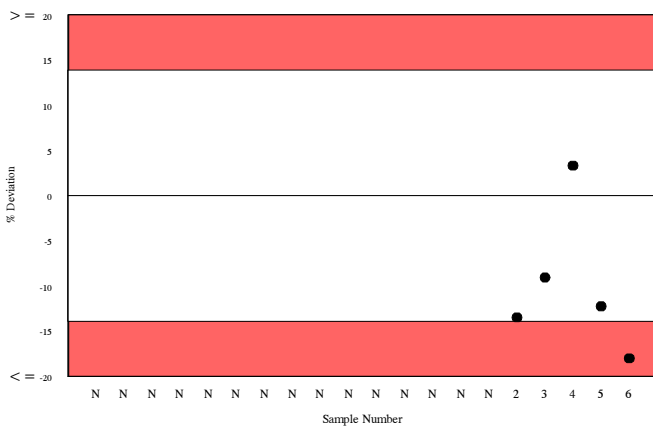
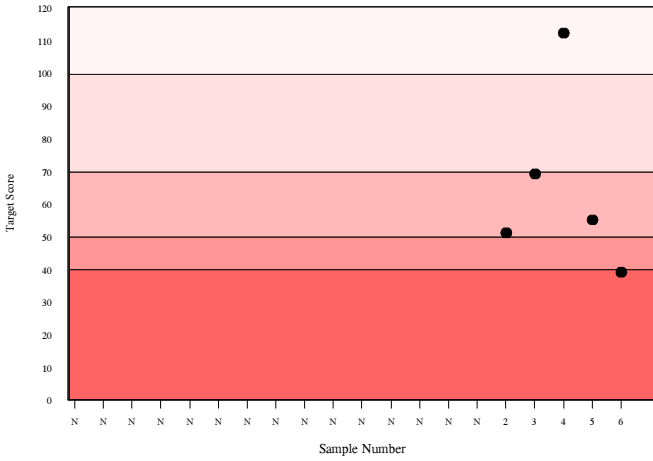
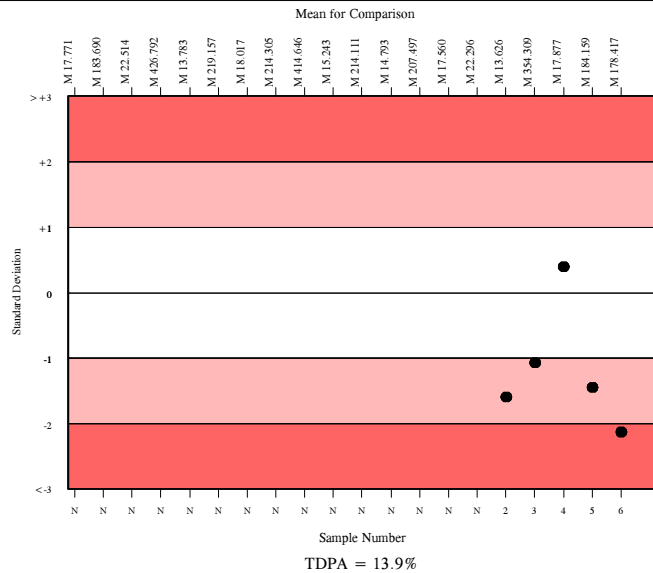
Acceptable limits of performance for RIQAS: 13.90%

SDI in bottom 5% of peer group

TS & %DEV outside limits



Method	N	Mean	CV%	U <sub>m</sub>
Roche hCG+Beta	858	178.417	5.0	0.38
Abbott Architect	399	159.250	4.4	0.43
Siemens Centaur XP/XPT/Classic	189	168.759	4.3	0.66
Beckman DxI 600 / 800	116	177.088	5.2	1.06
bioMerieux, VIDAS	106	241.357	9.5	2.79
Siemens/DPC Immulite 2000	68	291.178	6.9	3.06
Roche hCG STAT(Intact)	67	176.400	6.2	1.68
Ortho Vitros 3600/5600/ECi	55	240.356	3.9	1.59
Beckman Access/LXi725	51	170.210	6.5	1.95
Beckman Access Total BhCG (5th IS)	41	176.548	5.6	1.92
Siemens Centaur CP	40	171.009	5.6	1.91
Beckman DXI Total BhCG (5th IS)	35	181.539	4.1	1.57
Siemens/DPC Immulite 1000	27	294.370	5.9	4.18
Diasorin Liaison	29	167.413	12.2	4.75
SNIBE Maglumi analysers	19	207.410	1.7	1.00
Tosoh	21	241.605	4.6	3.04
Siemens Dimension	19	233.802	4.8	3.24
Roche Cobas Core EIA	14	179.728	6.5	3.91
Fujirebio Lumipulse G Series	12	144.467	5.1	2.66
Radiometer AQT90 Flex	7	159.429	8.2	6.18
Siemens Stratus CS	3	229.600	3.1	5.16

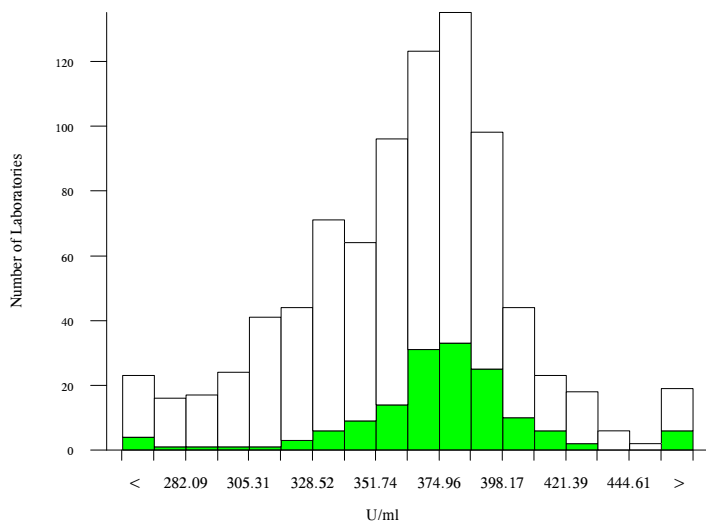


# IgE, U/ml

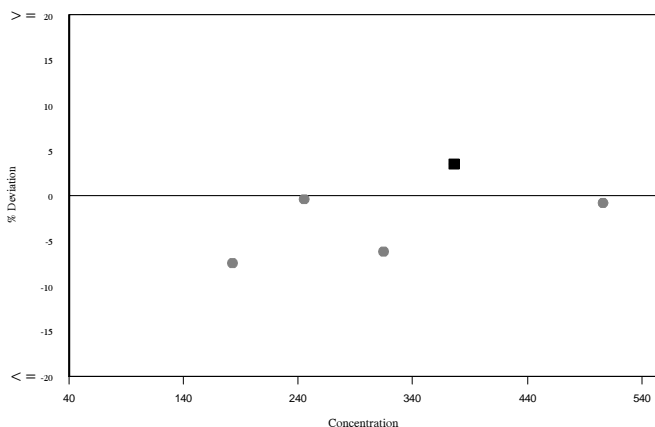
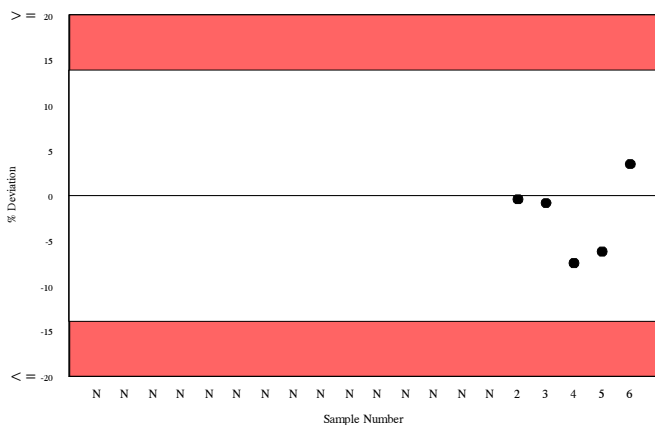
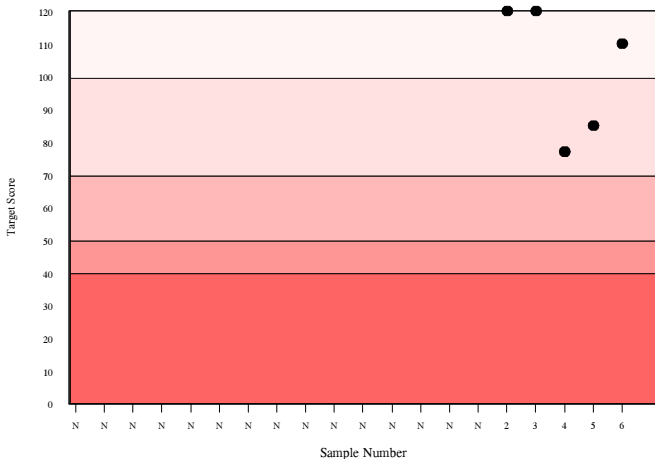
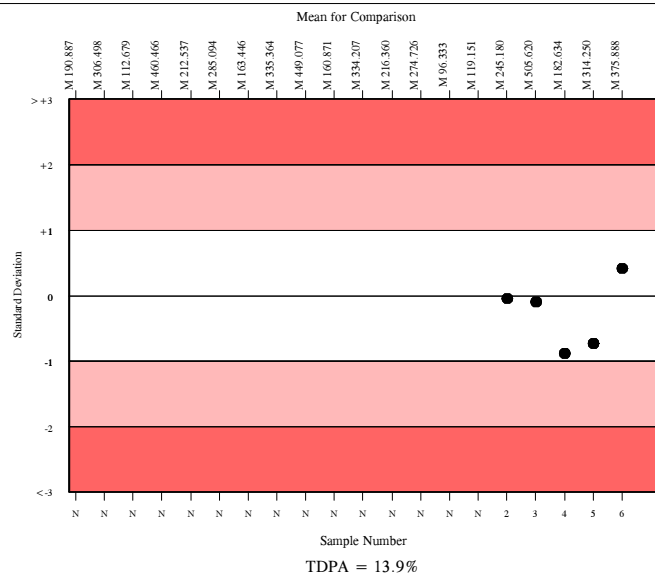
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	793	363.355	8.5	1.37	30.71	72
Roche Cobas 4000/e411	139	375.888	5.7	2.29	31.76	14

▲ Your Result	389.000	SDI	0.41
		RMSDI	Too Few
■ Mean for Comparison	375.888	TS	110
		RMTS	Too Few
		%DEV	3.5
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	13.90%



Method	N	Mean	CV%	U <sub>m</sub>
Roche Cobas 6000/8000	175	380.663	3.9	1.39
Roche Cobas 4000/e411	139	375.888	5.7	2.29
Siemens/DPC Immulite 2000/2500	89	371.531	8.8	4.33
Siemens Centaur XP/XPT/Classic	81	339.802	6.9	3.24
bioMerieux, VIDAS	63	335.462	11.0	5.81
Abbott Architect	42	360.318	5.4	3.76
TOSOH	26	347.715	7.6	6.48
Beckman DxI 600 / 800	25	341.088	8.7	7.43
Siemens/DPC Immulite 1000	22	373.141	7.1	7.02
Roche Elecsys	20	362.780	6.0	6.05
Phadia ImmunoCAP instruments	20	326.200	10.6	9.63
Roche Modular E170	15	380.994	6.6	8.09
SNIBE Maglumi analysers	14	302.316	5.9	5.91
Siemens Centaur CP	12	338.258	7.9	9.59
Fujirebio Lumipulse G Series	7	309.814	5.3	7.76
Beckman Access/LXi725	8	332.681	14.2	20.83
Biomed	5	374.028	11.8	24.72
Siemens/Dade Behring Nephelometer	5	363.000	8.3	16.85
Monobind Inc. ELISA / CLIA	5	311.460	10.5	18.25
Beckman Immage	3	358.667	27.6	71.50
Randox RX series Instruments	4	337.618	14.9	31.52



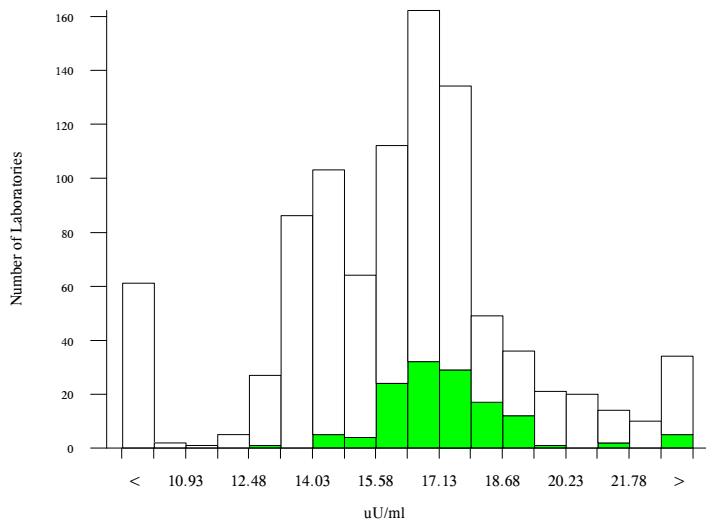
**RIQAS**

# Insulin, uU/ml

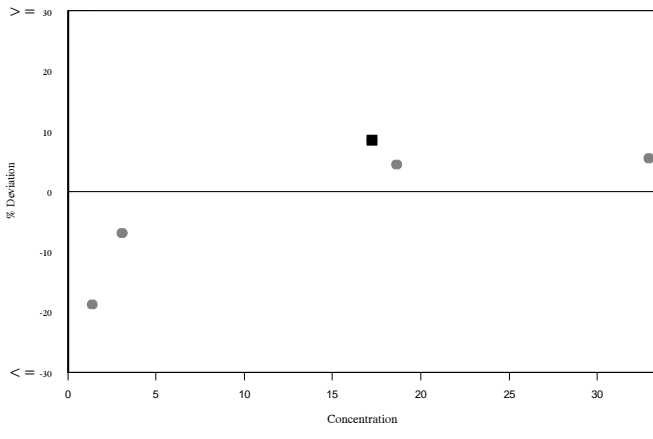
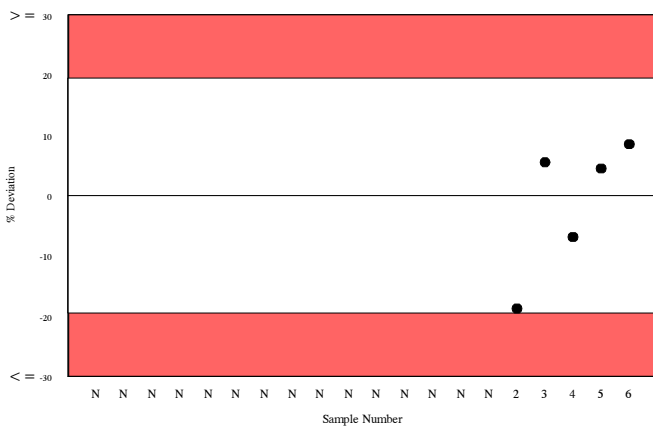
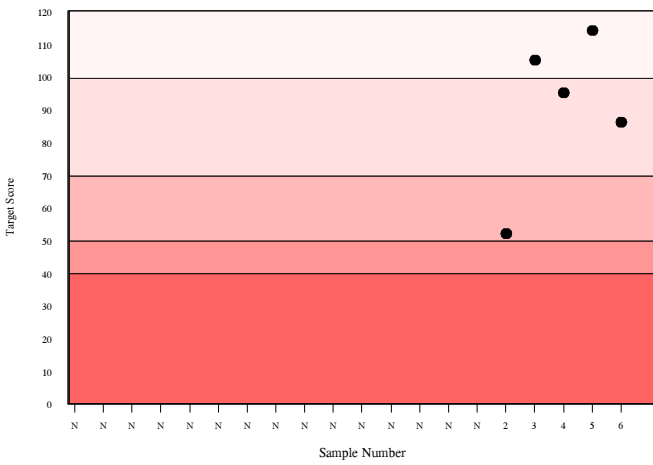
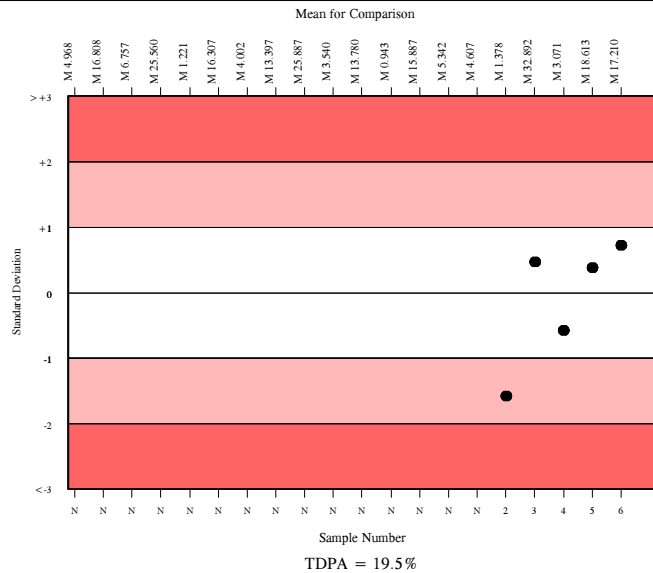
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	846	16.357	12.6	0.09	1.94	95
Roche Cobas 4000/e411	118	17.210	5.9	0.12	2.04	14

▲ Your Result	18.680	SDI	0.72
		RMSDI	Too Few
■ Mean for Comparison	17.210	TS	86
		RMTS	Too Few
		%DEV	8.5
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation	32.9%
Acceptable limits of performance for RIQAS	19.50%



Method	N	Mean	CV%	U <sub>m</sub>
Roche Cobas 6000/8000	201	17.073	3.8	0.06
Abbott Architect	161	14.106	4.9	0.07
Roche Cobas 4000/e411	118	17.210	5.9	0.12
Siemens Centaur XP/XPT/Classic	93	19.956	14.3	0.37
Beckman DxI 600 / 800	88	14.830	7.6	0.15
Siemens/DPC Immulite 2000	35	7.425	11.7	0.18
Tosoh	23	17.045	5.1	0.23
Roche Elecsys	23	16.707	4.0	0.17
SNIBE Maglumi analysers	26	15.802	6.3	0.24
DiaSorin, Liaison	19	19.201	6.8	0.38
Roche Modular E170	14	16.984	3.7	0.21
Beckman Access/LXi725	14	14.953	7.3	0.36
Siemens/DPC Immulite 1000	12	7.319	8.6	0.23
Siemens Centaur CP	11	21.085	7.0	0.55
Fujirebio Lumipulse G Series	8	14.988	4.8	0.31
Diasource IRMA	2	18.595	0.0	0.01
CIS, RIA coated tube	2	14.785	19.0	2.48
ELISA	2	15.539	0.4	0.05



**RIQAS**

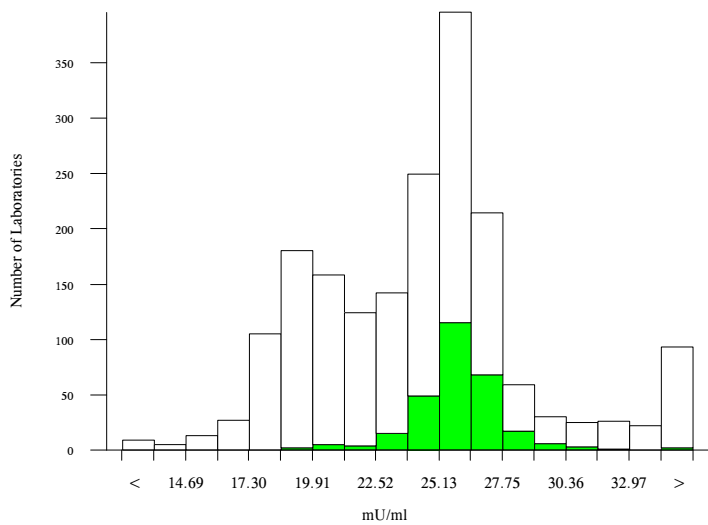


# LH, mU/ml

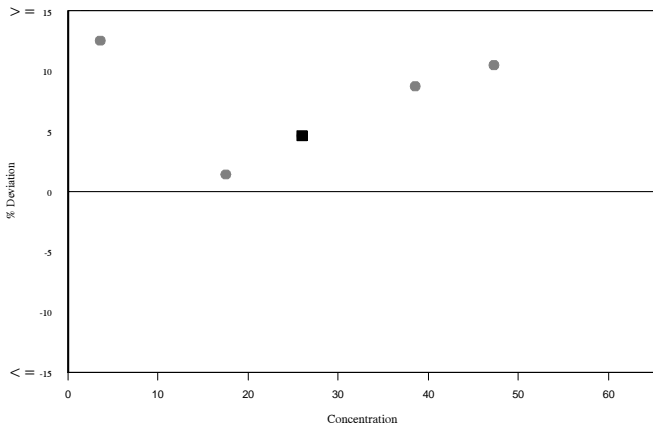
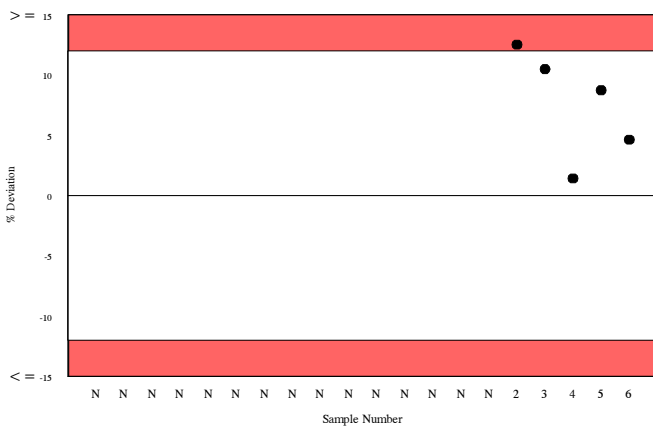
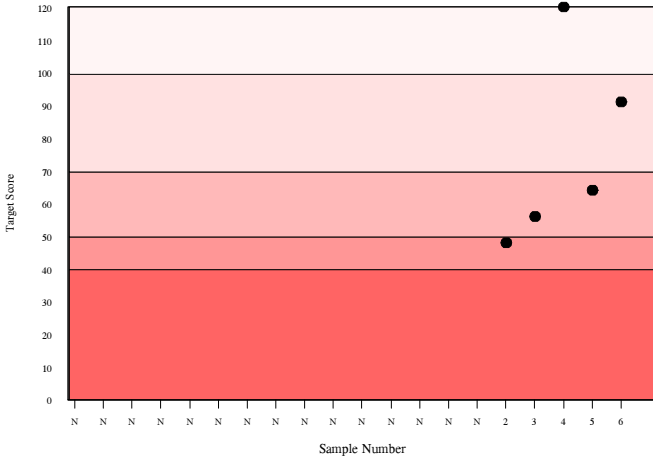
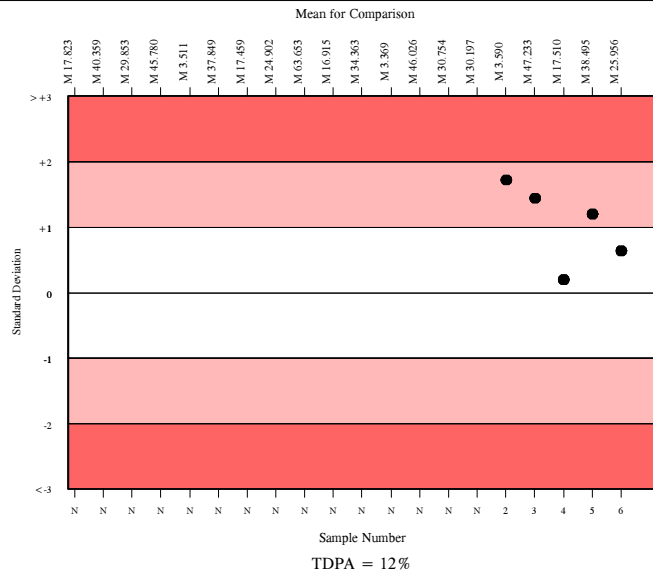
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	1747	23.834	14.6	0.10	1.74	129
Roche Cobas 4000/e411	259	25.956	4.4	0.09	1.89	28

▲ Your Result	27.160	SDI	0.64
		RMSDI	Too Few
■ Mean for Comparison	25.956	TS	91
		RMTS	Too Few
		%DEV	4.6
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation	27.92%
Acceptable limits of performance for RIQAS	12.00%



Method	N	Mean	CV%	U <sub>m</sub>
Roche Cobas 6000/8000	368	26.005	3.5	0.06
Abbott Architect	287	19.733	6.8	0.10
Roche Cobas 4000/e411	259	25.956	4.4	0.09
Siemens Centaur XP/XPT/Classic	178	24.179	5.3	0.12
Beckman DxI 600 / 800	139	19.108	5.4	0.11
bioMerieux, VIDAS	87	22.876	5.2	0.16
Siemens/DPC Immulite 2000	58	36.618	6.0	0.36
Roche Elecsys	53	25.703	5.4	0.24
Beckman Access/LXi725	45	19.508	4.9	0.18
Tosoh	39	23.277	6.0	0.28
Ortho Vitros 3600/5600/ECi	37	31.884	4.7	0.31
Diasorin Liaison	34	30.422	8.2	0.53
Siemens/DPC Immulite 1000	29	36.166	10.5	0.88
Roche Modular E170	25	25.790	3.3	0.22
Siemens Centaur CP	23	24.490	7.7	0.49
SNIBE Maglumi analysers	21	26.208	3.9	0.28
Fujirebio Lumipulse G Series	9	22.000	3.5	0.32
DIAsource, IRMA	5	16.522	10.0	0.92
Siemens Dimension	3	27.057	8.8	1.72
Immunotech IRMA	3	30.403	8.2	1.80



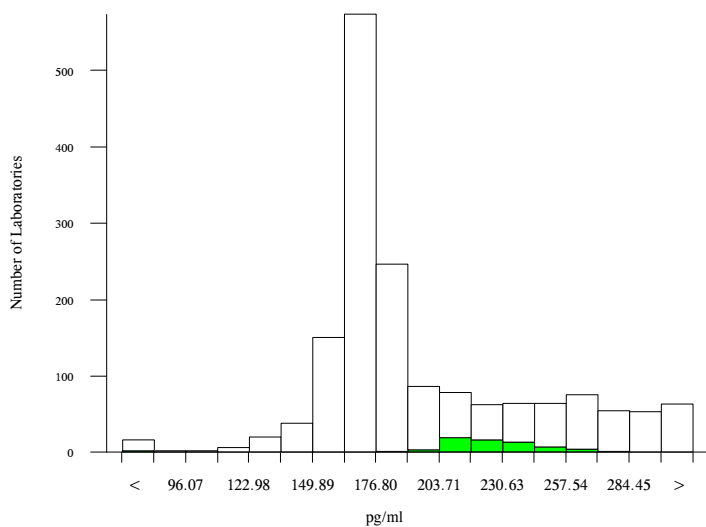
**RIQAS**

# Oestradiol, pg/ml

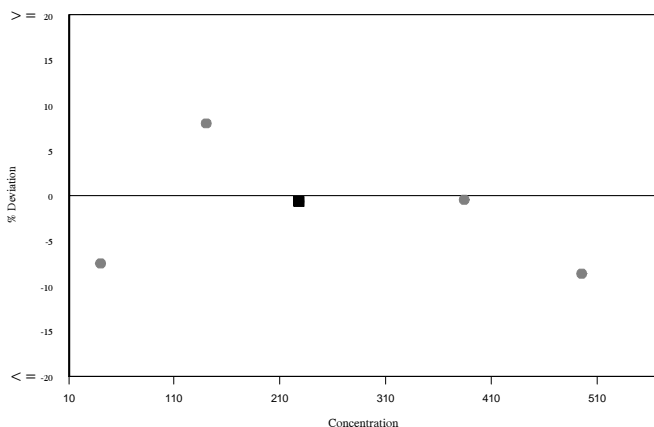
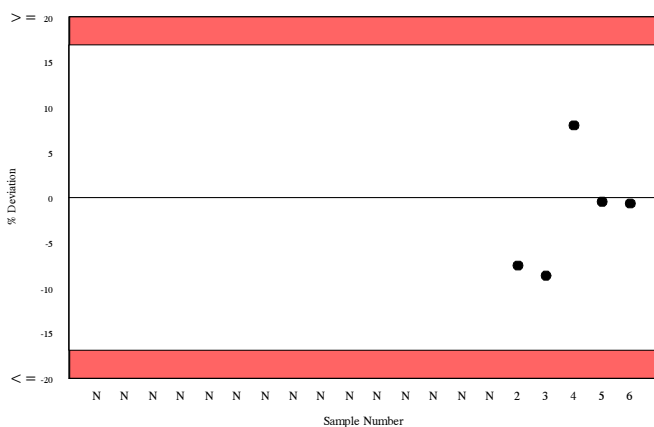
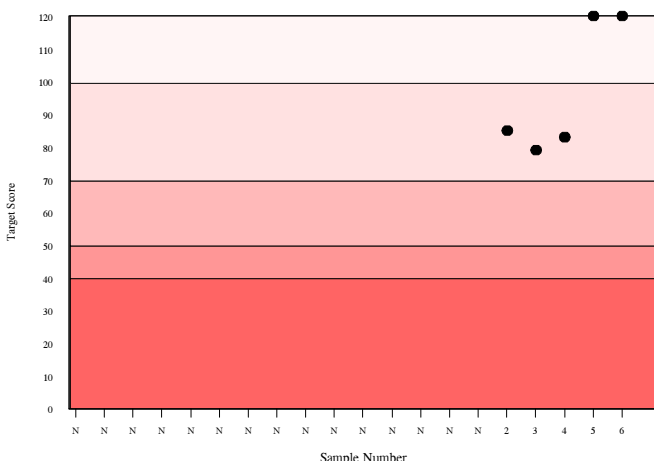
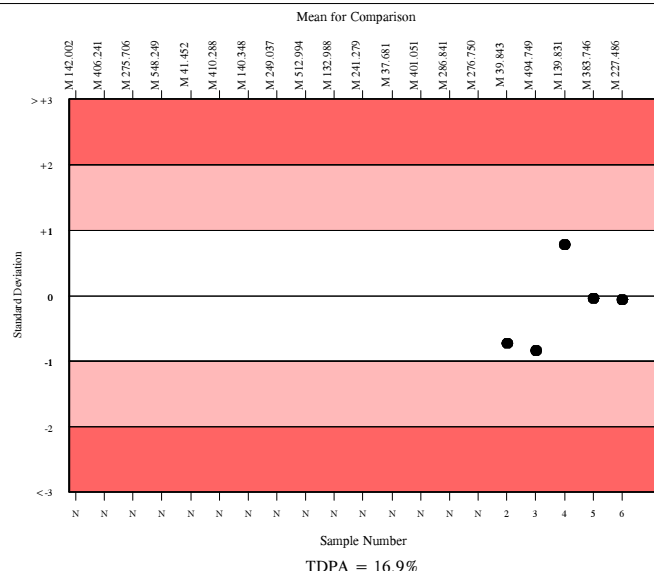
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	1520	190.263	18.9	1.15	19.55	132
Siemens/DPC Immulite 2000/2500	62	227.486	7.6	2.76	23.37	4

▲ Your Result	226.000	SDI	-0.06
		RMSDI	Too Few
■ Mean for Comparison	227.486	TS	120
		RMTS	Too Few
		%DEV	-0.7
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation	26.86%
Acceptable limits of performance for RIQAS	16.90%



Method	N	Mean	CV%	U <sub>m</sub>
Abbott Architect	254	171.855	3.7	0.50
Roche Cobas 6000/8000 (Estradiol III)	209	172.748	4.0	0.59
Beckman DxI 600 / 800	133	199.215	9.4	2.03
Roche Cobas 6000/8000 (Estradiol II)	123	171.471	4.5	0.87
Roche Cobas 4000/e411 (Estradiol III)	118	170.744	4.5	0.88
Roche Cobas 4000/e411 (Estradiol II)	109	169.514	6.5	1.32
Siemens Centaur XP/XPT/Classic (eE2)	104	259.568	6.1	1.95
bioMerieux, VIDAS	77	288.621	4.9	2.02
Siemens/DPC Immulite 2000/2500	62	227.486	7.6	2.76
Siemens Centaur XP/XPT/Classic	46	259.928	5.2	2.50
Beckman Access/LXi725	33	208.614	11.5	5.22
Roche Elecsys (Estradiol II)	33	168.545	7.4	2.70
Ortho Vitros 3600/5600/ECi	24	209.913	6.3	3.37
Siemens/DPC Immulite 1000	24	225.317	8.7	5.03
SNIBE Maglumi analysers	21	298.444	3.0	2.47
Tosoh (E2)	21	145.354	15.6	6.19
Roche Modular E170 (Estradiol III)	19	170.234	4.8	2.32
Diasorin Liaison	18	136.000	7.2	2.87
Roche Elecsys (Estradiol III)	17	173.186	4.3	2.26
Tosoh (iE2-hsE2)	13	139.077	8.8	4.25
Siemens Centaur CP	10	275.312	9.5	10.34



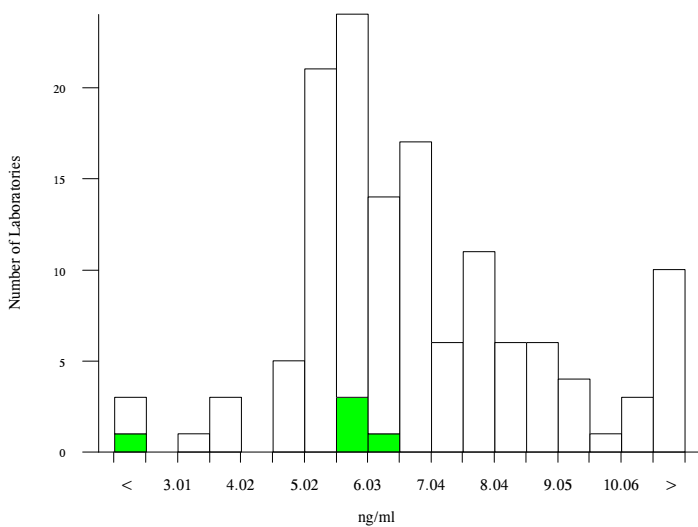
# 17-OH-Progesterone, ng/ml

	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	119	6.538	20.5	0.15	1.34	16
DiaMetra ELISA	4	5.940	5.4	0.20	0.38a	1

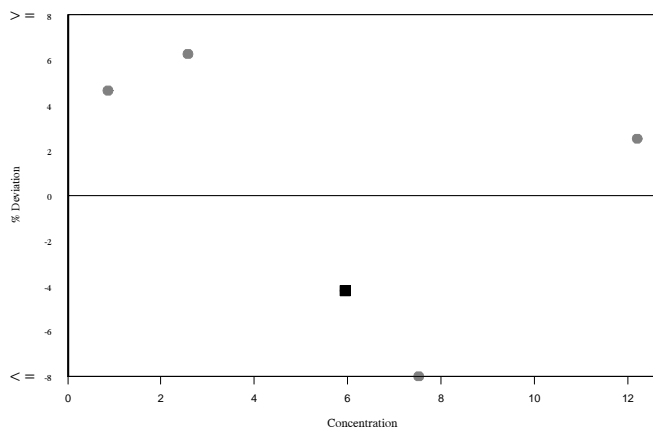
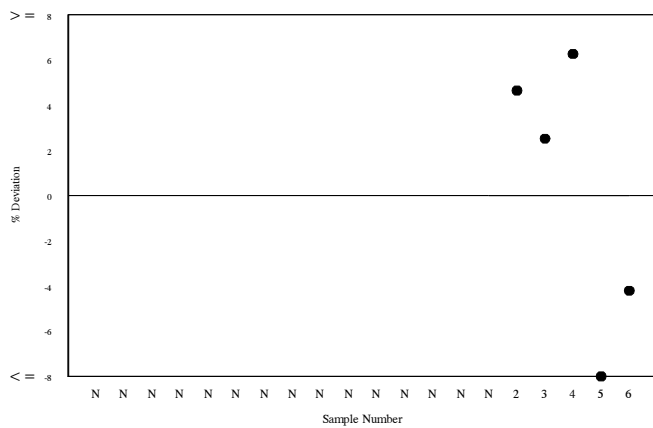
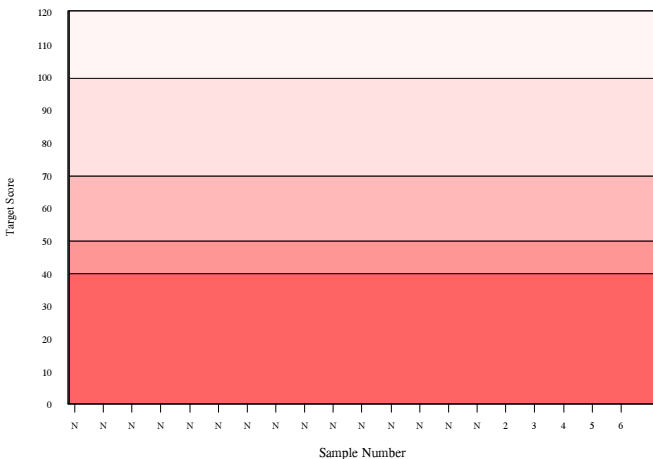
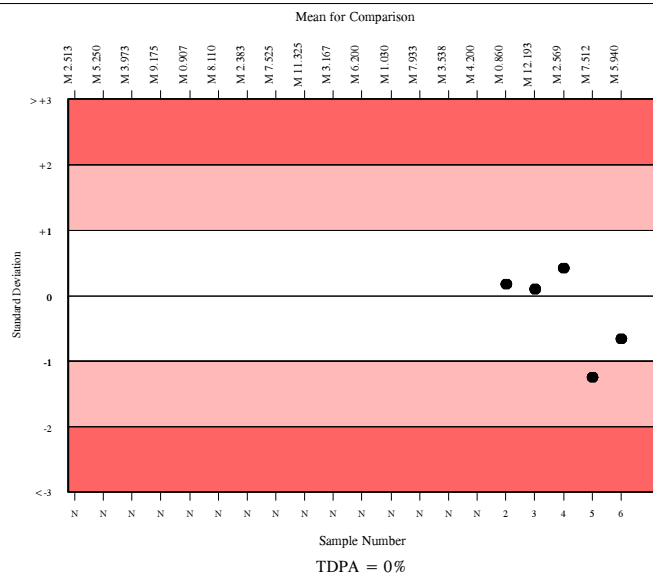
▲ Your Result	5.690	SDI	-0.66
		RMSDI	Too Few
■ Mean for Comparison	5.940	TS	N/A
		RMTS	Too Few
		%DEV	-4.2
		RM%DEV	Too Few

**The mean for comparison is not statistically significant**

Acceptable limits derived from Biological Variation	29.7%
Acceptable limits of performance for RIQAS	N/A



Method	N	Mean	CV%	U <sub>m</sub>
DRG ELISA	24	7.065	13.8	0.25
ELISA	16	7.392	28.3	0.65
SNIBE Maglumi analysers	11	5.553	1.8	0.04
DIASource ELISA	9	6.823	15.8	0.45
DIASource RIA	11	7.320	25.6	0.71
IBL ELISA	9	6.938	31.8	0.92
Immunotech RIA	9	5.753	11.0	0.26
Novatec ELISA	6	6.811	20.3	0.71
DiaMetra ELISA	4	5.940	5.4	0.20
Monobind Inc. ELISA / CLIA	4	6.793	28.3	1.20
CIS, RIA Coated Tube	3	5.970	15.1	0.65
Beckman Coulter RIA	2	6.053	16.5	0.88
Labor Diagnostike Nord ELISA	2	6.395	6.5	0.37
MP Biomedicals RIA	2	5.065	7.4	0.33
Roche Cobas 4000/e411	2	15.745	2.2	0.31



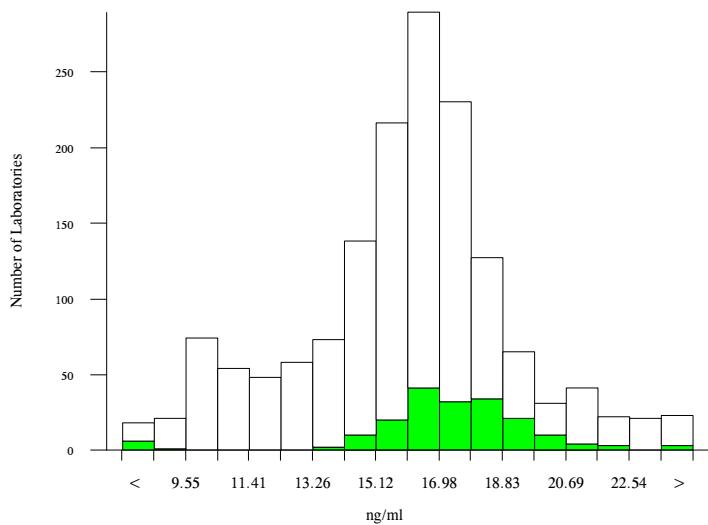


# Progesterone, ng/ml

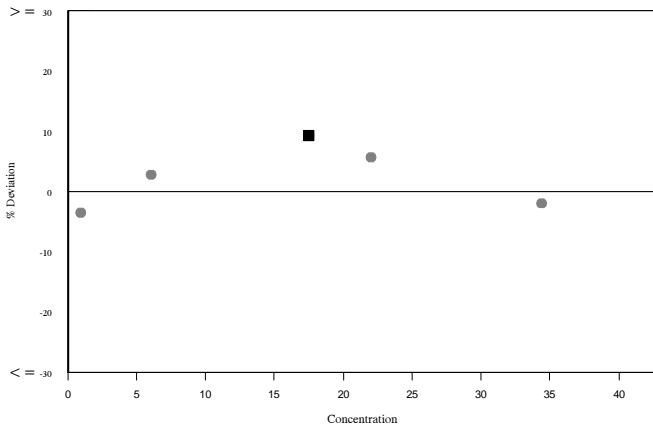
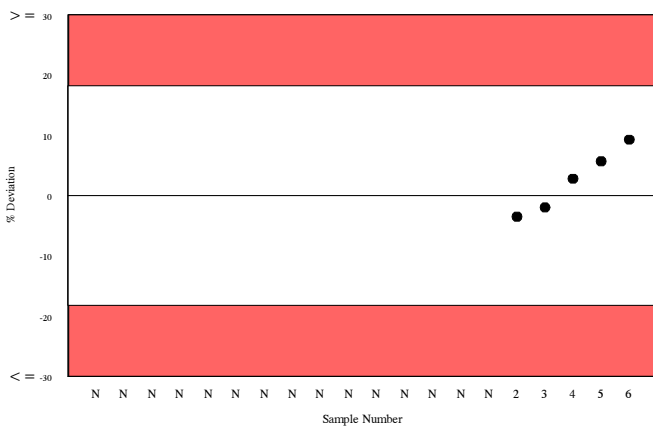
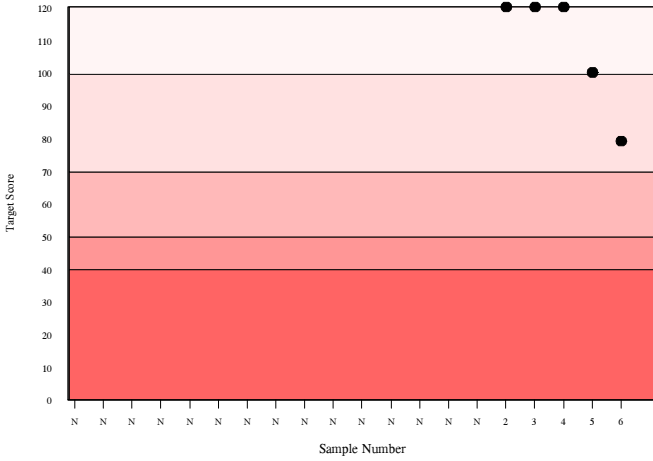
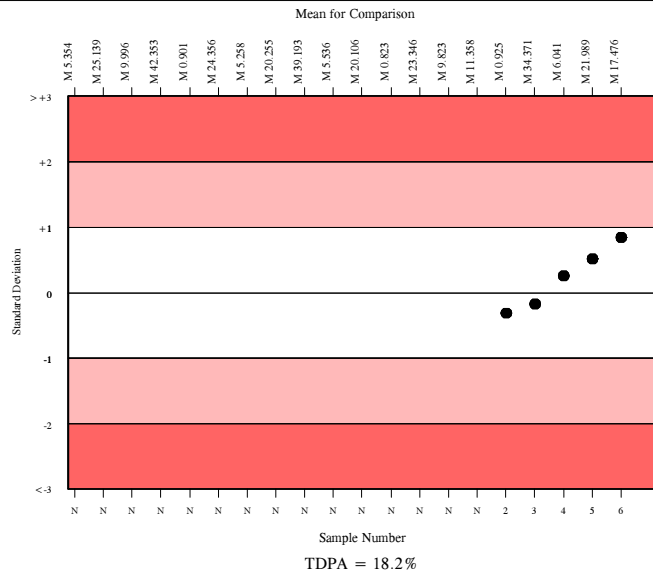
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	1418	16.053	15.4	0.08	1.78	131
Roche Cobas 4000/e411 (Prog. II)	170	17.476	8.7	0.15	1.93	17

▲ Your Result	19.100	SDI	0.84
		RMSDI	Too Few
■ Mean for Comparison	17.476	TS	79
		RMTS	Too Few
		%DEV	9.3
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	18.20%



Method	N	Mean	CV%	U <sub>m</sub>
Abbott Architect	240	15.243	6.4	0.08
Roche Cobas 6000/8000 (Prog. II)	212	17.201	6.1	0.09
Roche Cobas 4000/e411 (Prog. II)	170	17.476	8.7	0.15
Siemens Centaur XP/XPT/Classic	148	10.380	6.7	0.07
Roche Cobas 6000/8000 (Prog. III)	102	16.860	3.7	0.08
Beckman DXI Prog. Cal 33555	88	16.408	6.2	0.14
bioMerieux, VIDAS	84	21.807	6.1	0.18
Siemens/DPC Immulite 2000/2500	63	13.174	7.0	0.14
Roche Cobas 4000/e411 (Prog. III)	53	16.750	4.0	0.11
Roche Elecsys (Prog. II)	37	17.006	8.5	0.30
Beckman Access Prog. Cal 33555	38	16.925	10.1	0.35
Tosoh	28	17.308	13.5	0.55
Siemens/DPC Immulite 1000	29	14.730	13.5	0.46
Ortho Vitros 3600/5600/ECi	22	16.827	6.1	0.27
SNIBE Maglumi analysers	20	18.484	4.4	0.23
Beckman DXI Prog.DE Cal. A80773	21	14.505	8.8	0.35
Diasorin Liaison	15	12.543	7.4	0.30
Siemens Centaur CP	13	12.038	14.0	0.58
Roche Modular E170 (Prog. III)	13	16.817	3.1	0.18
Roche Modular E170 (Prog. II)	10	17.557	6.3	0.44
Fujirebio Lumipulse G Series	3	16.103	6.1	0.71



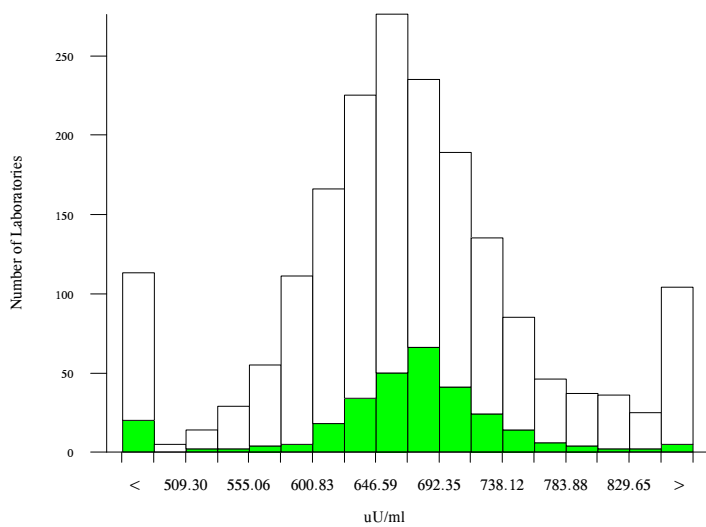
**RIQAS**  
PROFICIENCY TESTING

# Prolactin, uU/ml

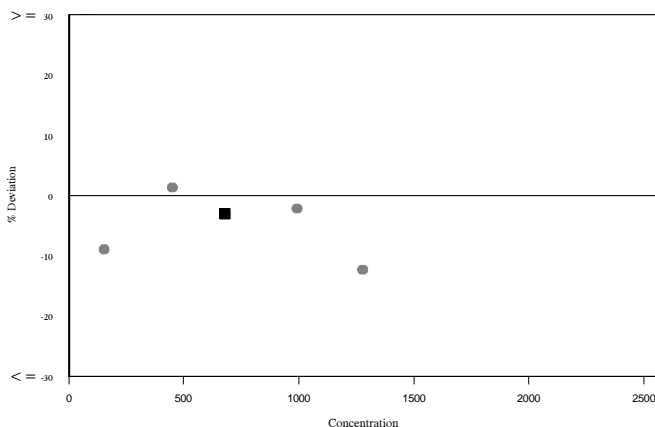
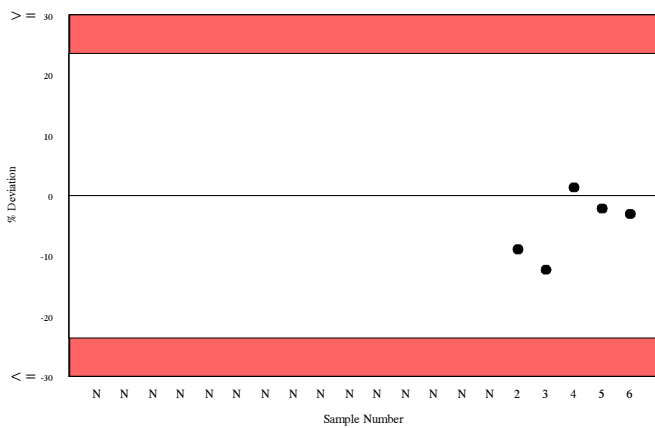
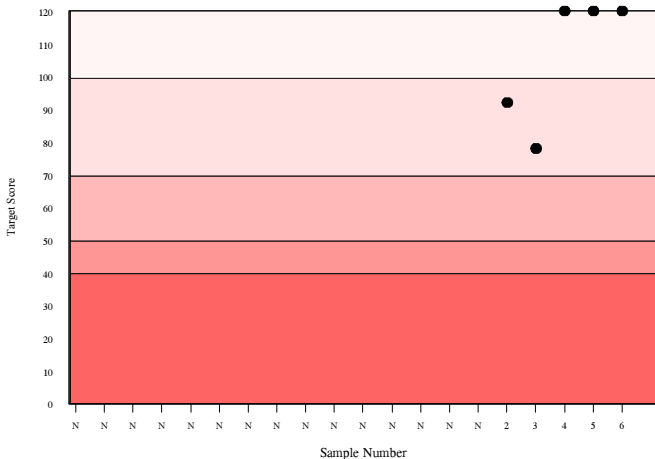
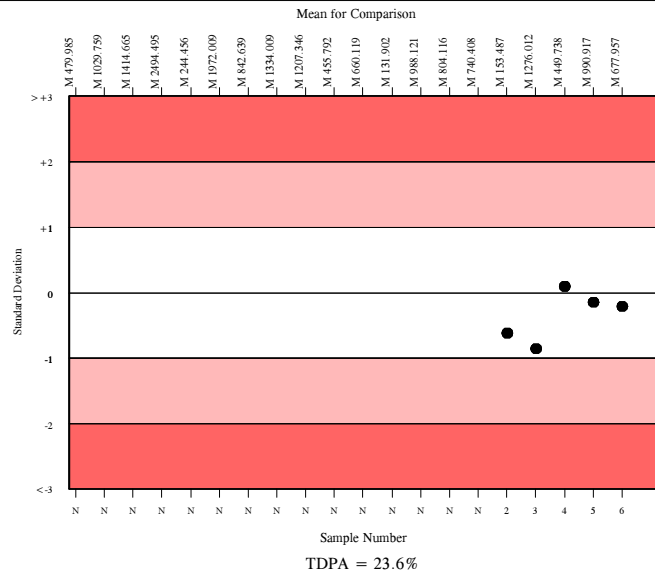
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	1643	669.477	9.1	1.88	96.06	244
Roche Cobas 4000/e411	255	677.957	5.6	2.98	97.27	44

▲ Your Result	657.300	SDI	-0.21
		RMSDI	Too Few
■ Mean for Comparison	677.957	TS	120
		RMTS	Too Few
		%DEV	-3.0
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation	29.4%
Acceptable limits of performance for RIQAS	23.60%



Method	N	Mean	CV%	U <sub>m</sub>
Roche Cobas 6000/8000	313	659.068	3.7	1.71
Roche Cobas 4000/e411	255	677.957	5.6	2.98
Abbott Architect	242	713.794	6.0	3.45
Siemens Centaur XP/XPT/Classic	175	601.855	5.6	3.16
Beckman DxI 600 / 800	116	612.363	5.2	3.72
bioMerieux, VIDAS	71	864.670	7.9	10.19
Siemens/DPC Immulite 2000/2500	59	661.942	7.4	7.98
Roche Elecsys	44	672.664	5.6	7.09
Beckman Access/LXi725	39	611.547	6.2	7.61
Roche Elecsys/E170/Cobas 6000/8000 PRLII	42	655.999	4.2	5.32
Abbott Architect (Re-standardised)	40	707.972	2.9	4.10
Ortho Vitros 3600/5600/ECi	42	621.378	7.4	8.93
Tosoh	35	766.858	13.1	21.30
Siemens/DPC Immulite 1000	28	724.593	3.8	6.44
Diasorin Liaison	24	746.705	8.6	16.31
SNIBE Maglumi analysers	20	751.998	6.1	12.74
Siemens Centaur CP	18	604.537	6.5	11.50
Roche Modular E170	20	646.046	4.4	7.88
Fujirebio Lumipulse G Series	9	834.011	4.8	16.67
Immunotech IRMA	8	770.019	3.5	11.87
Siemens Dimension	4	731.245	0.3	1.52

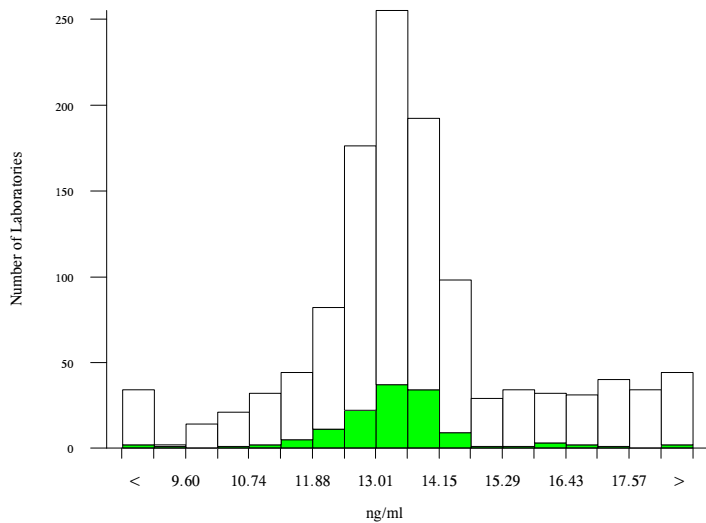


# PSA, Free, ng/ml

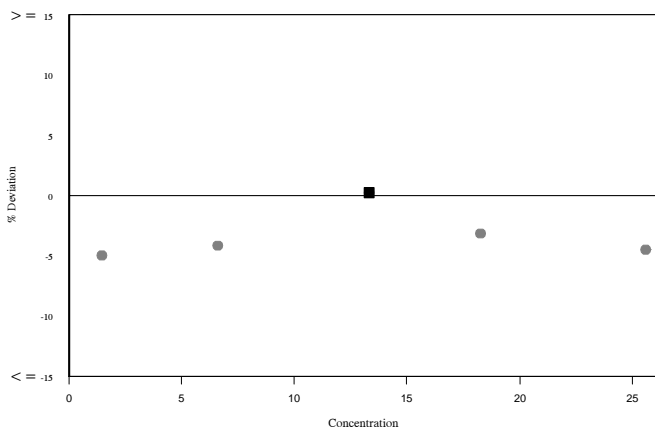
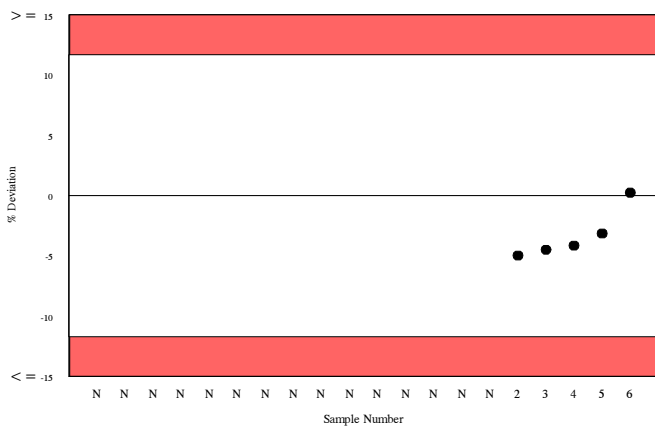
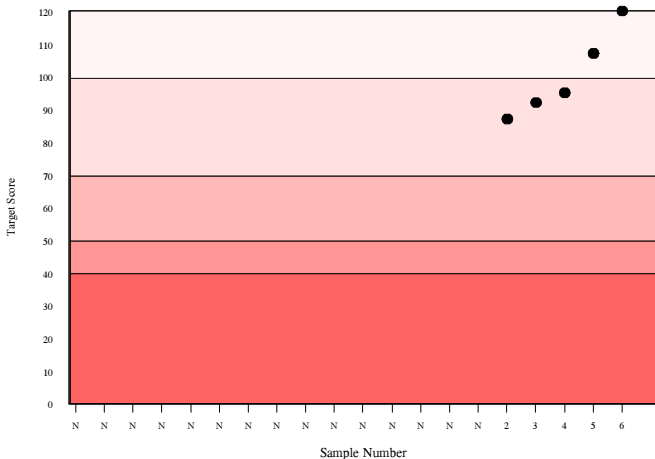
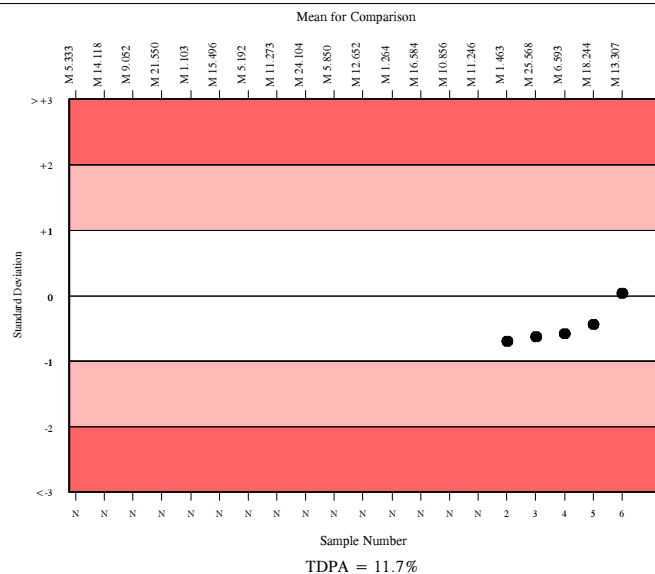
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	1084	13.588	11.2	0.06	0.97	118
Roche Cobas 4000/e411	118	13.307	5.0	0.08	0.95	16

▲ Your Result	13.340	SDI	0.03
		RMSDI	Too Few
■ Mean for Comparison	13.307	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	11.70%



Method	N	Mean	CV%	U <sub>m</sub>
Roche Cobas 6000/8000	255	13.144	3.7	0.04
Abbott Architect	224	13.744	6.3	0.07
Siemens Centaur XP/XPT/Classic	126	13.744	4.9	0.08
Roche Cobas 4000/e411	118	13.307	5.0	0.08
Beckman DXI standardised to Hybritech	97	17.093	5.0	0.11
Siemens/DPC Immulite 2000/2500	38	11.566	7.0	0.16
BioMerieux VIDAS	27	17.657	12.9	0.55
Beckman Access standardised to Hybritech	32	17.179	6.2	0.24
Roche Elecsys	27	13.050	3.6	0.11
TOSOH	22	12.121	6.3	0.20
Diasorin Liaison	21	5.886	8.4	0.14
SNIBE Maglumi analysers	21	13.542	6.5	0.24
Roche Modular E170	18	12.652	2.7	0.10
Siemens/DPC Immulite 1000	11	11.465	4.7	0.20
Fujirebio Lumipulse G Series	11	10.196	3.6	0.14
Ortho Vitros 3600/5600/ECi PSA II	5	11.778	1.1	0.07
Ortho Vitros 3600/5600/ECi	5	11.380	2.2	0.14
Siemens Dimension	6	10.473	5.4	0.29
Beckman DXI standard to WHO IRP96/670	6	13.437	7.7	0.53
CIS, RIA coated tube	4	9.827	4.9	0.30
Beckman Access standard to WHO IRP96/670	3	16.900	2.4	0.29



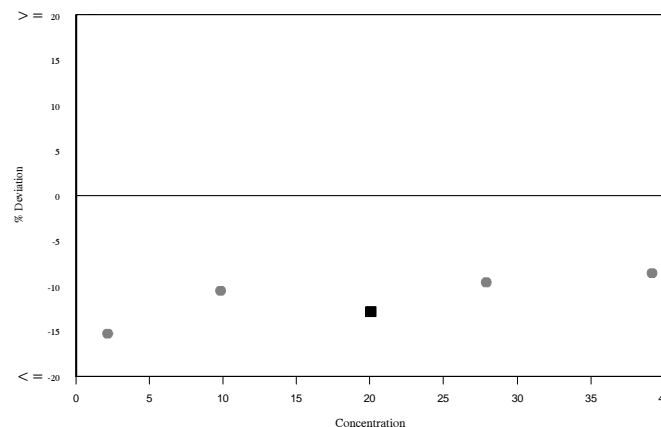
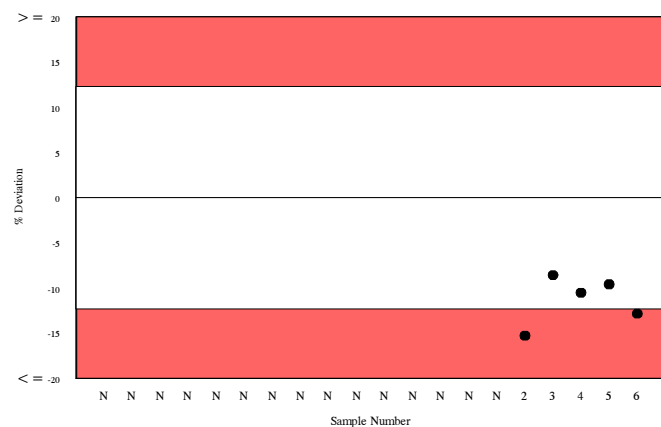
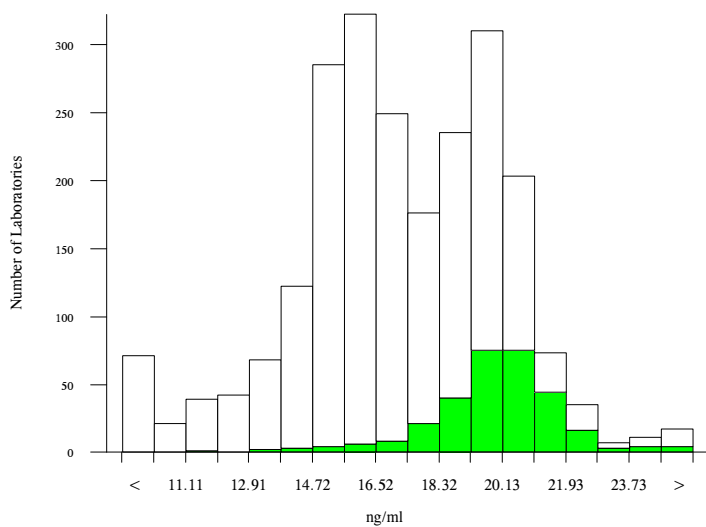
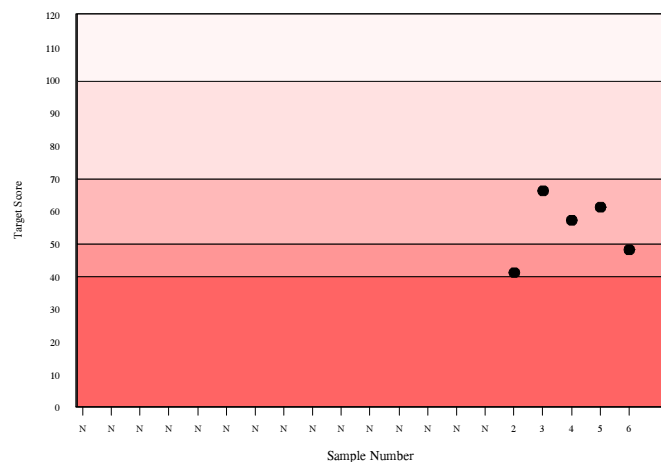
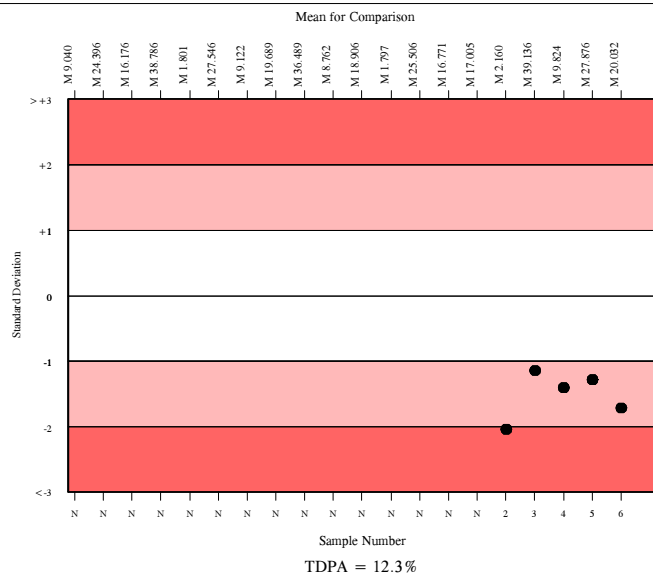
**RIQAS**

# PSA, Total, ng/ml

	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	2149	17.427	13.8	0.06	1.30	138
Roche Cobas 4000/e411	280	20.032	6.4	0.10	1.50	26

▲ Your Result	17.460	SDI	-1.72
		RMSDI	Too Few
■ Mean for Comparison	20.032	TS	48
		RMTS	Too Few
		%DEV	-12.8
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation	33.6%
Acceptable limits of performance for RIQAS	12.30%
TS & %DEV outside limits	



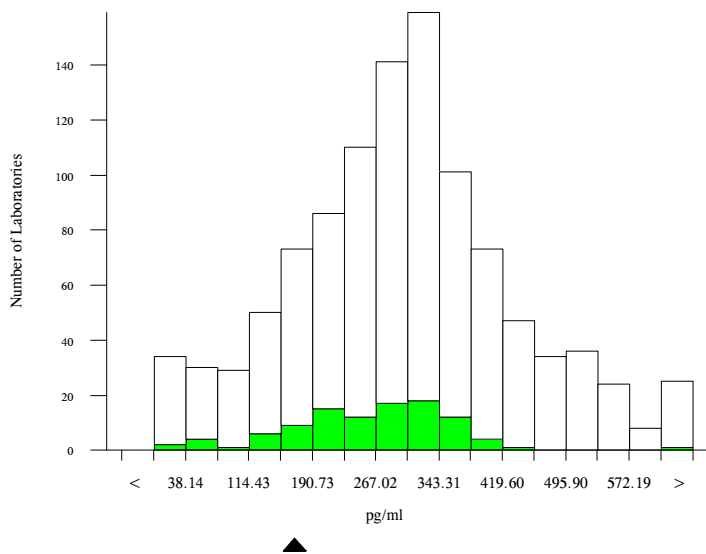
Method	N	Mean	CV%	U <sub>m</sub>
Roche Cobas 6000/8000	454	19.464	4.4	0.05
Abbott Architect	416	16.295	5.9	0.06
Roche Cobas 4000/e411	280	20.032	6.4	0.10
Siemens Centaur XP/XPT/Classic	223	15.330	5.3	0.07
Beckman DXI standardised to Hybritech	139	16.050	5.1	0.09
Beckman Access standardised to Hybritech	75	16.678	5.7	0.14
Roche Elecsys	59	20.105	6.0	0.20
bioMerieux, Vidas TPSA	48	16.619	7.0	0.21
Siemens Immulite 2000/2500, Total PSA	46	13.267	4.9	0.12
Diasorin Liaison	41	7.797	8.3	0.13
Tosoh	38	10.611	6.7	0.15
Siemens Centaur CP	33	15.049	5.8	0.19
Ortho Vitros 3600/5600/ECi PSA II	33	19.314	3.3	0.14
Siemens Immulite 1000, Total PSA	25	11.744	6.3	0.18
SNIBE Maglumi analysers	26	20.850	9.3	0.48
Roche Modular E170	27	18.917	4.3	0.19
Ortho Vitros 3600/5600/ECi	22	19.195	5.4	0.28
Beckman DXI standard to WHO IRP96/670	19	12.645	4.2	0.15
Beckman Access standard to WHO IRP96/670	14	16.377	5.0	0.27
bioMerieux, Vidas	13	16.991	8.0	0.47
CIS, RIA coated tube	11	14.765	3.5	0.19

# Parathyroid hormone, pg/ml

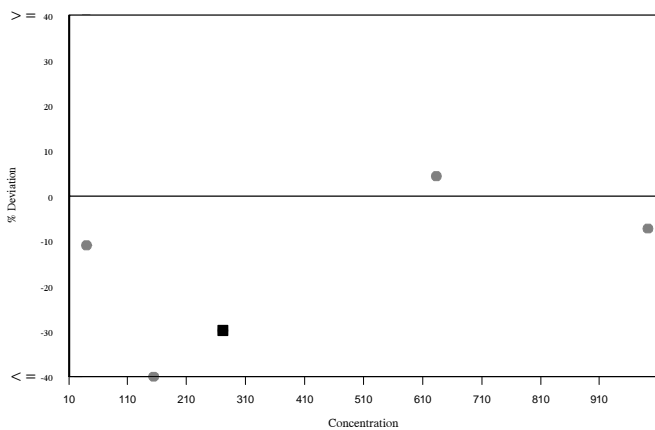
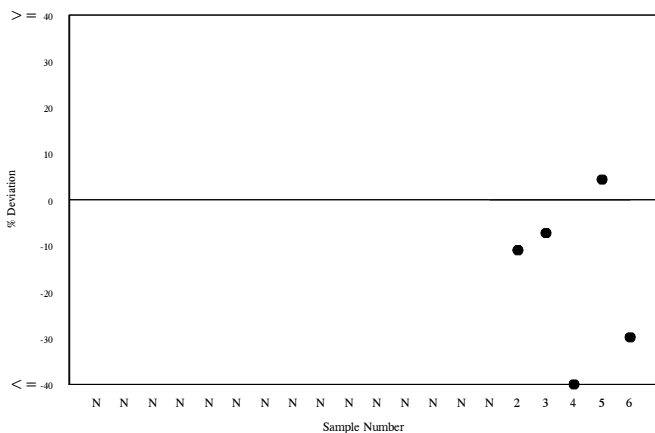
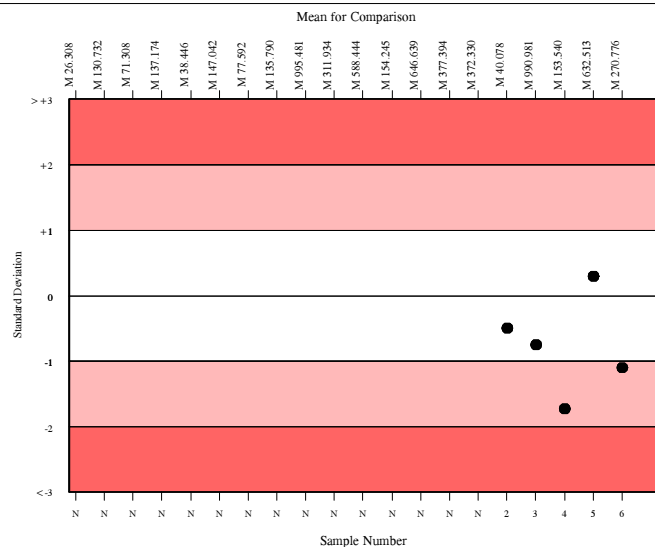
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	947	300.150	34.4	4.20	103.40	114
Roche Cobas 4000/e411 PTH/PTH STAT	94	270.776	27.0	9.43	73.17	8

▲ Your Result	190.100	SDI	-1.10
		RMSDI	Too Few
■ Mean for Comparison	270.776	TS	N/A
		RMTS	N/A
		%DEV	-29.8
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation	30.2%
Acceptable limits of performance for RIQAS	N/A



Method	N	Mean	CV%	U <sub>m</sub>
Roche Cobas 6000/8000 PTH/PTH STAT	179	297.225	18.7	5.18
Abbott Architect	127	425.327	22.6	10.67
Siemens Centaur XP/XPT/Classic	103	409.212	27.4	13.82
Beckman DxI 600 / 800	88	266.794	21.1	7.49
Roche Cobas 4000/e411 PTH/PTH STAT	94	270.776	27.0	9.43
Roche Cobas 6000/8000 PTH (1-84)	61	275.405	25.8	11.36
Roche Cobas 4000/e411 PTH (1-84)	54	251.100	35.6	15.21
Siemens/DPC Immulite 2000	44	400.070	27.3	20.61
Roche Elecsys PTH/PTH STAT	34	263.753	24.2	13.68
DiaSorin, Liaison 1-84 PTH	19	112.163	27.0	8.67
Beckman Access/LXi725	19	229.326	27.7	18.24
Tosoh	18	268.483	26.6	21.08
SNIBE Maglumi analysers	15	185.115	10.7	6.37
Siemens/DPC Immulite 1000	11	282.554	45.8	48.82
Ortho Vitros 3600/5600/ECi	17	400.028	21.7	26.32
Roche Modular E170 PTH/PTH STAT	12	245.115	16.8	14.83
Siemens Centaur CP	9	388.433	29.7	48.07
CIS IRMA	7	234.276	19.4	21.51
Roche Elecsys PTH (1-84)	8	259.087	11.6	13.32
DiaSorin, Liaison N-TACT PTH II	6	268.883	40.2	55.23
Roche Modular E170 PTH (1-84)	5	288.509	40.9	65.94

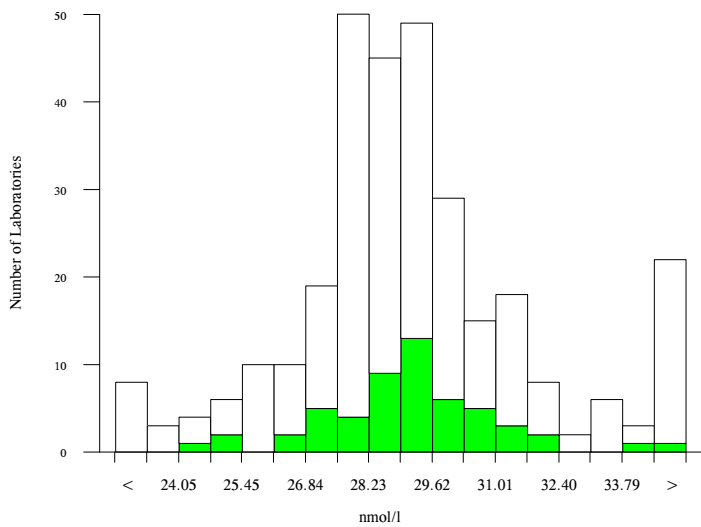


# Sex Hormone Binding Globulin, nmol/l

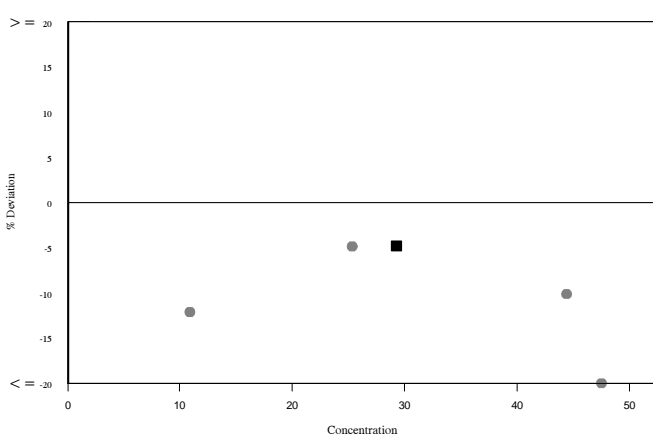
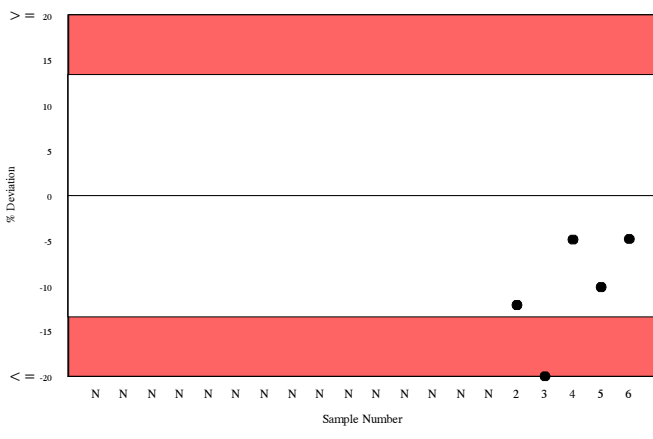
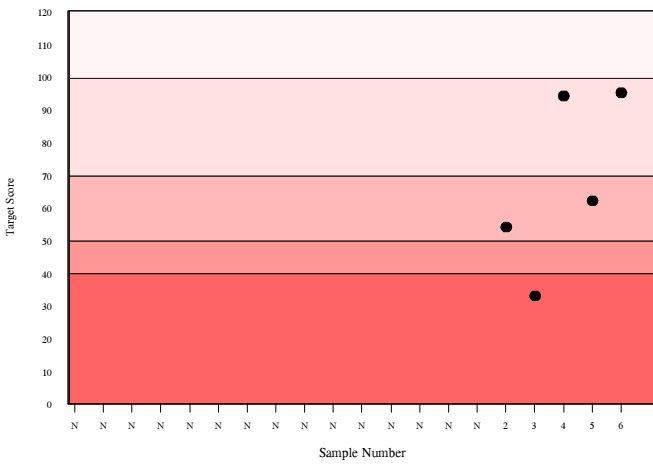
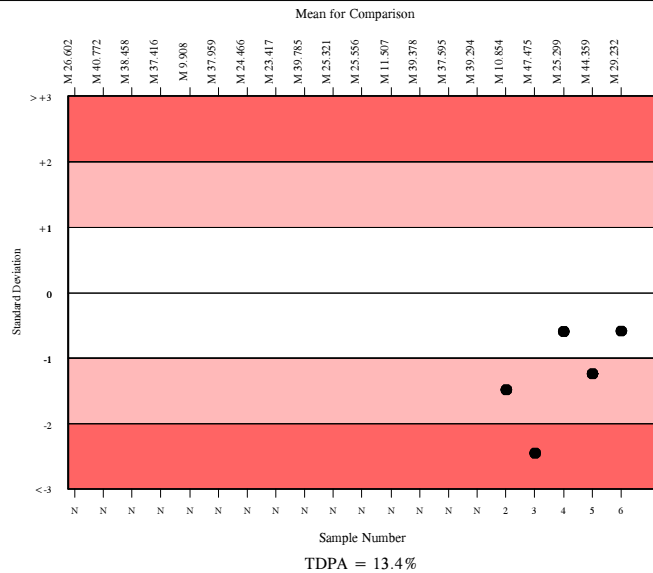
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	275	28.927	6.4	0.14	2.36	32
Roche Cobas 4000/e411	49	29.232	4.9	0.25	2.38	5

▲ Your Result	27.830	SDI RMSDI	-0.59 Too Few
■ Mean for Comparison	29.232	TS RMTS	95 Too Few
		%DEV RM%DEV	-4.8 Too Few

Acceptable limits derived from Biological Variation	20.42%
Acceptable limits of performance for RIQAS	13.40%



Method	N	Mean	CV%	U <sub>m</sub>
Roche Cobas 6000/8000	66	28.648	3.1	0.14
Roche Cobas 4000/e411	49	29.232	4.9	0.25
Siemens/DPC Immulite 2000/2500	44	28.583	7.2	0.39
Abbott Architect	45	30.226	6.2	0.35
Beckman DXI 600 / 800	23	28.674	6.4	0.48
Roche Modular E170	11	28.366	2.5	0.26
Siemens Centaur (Ref 06520781)	10	38.319	8.5	1.29
Siemens Centaur (Ref 10997191)	9	26.924	8.8	0.98
Siemens/DPC Immulite 1000	8	26.938	9.4	1.12
Roche Elecsys	5	29.126	9.4	1.54
ELISA	3	29.037	20.5	4.29
Beckman Access	2	25.950	0.3	0.06



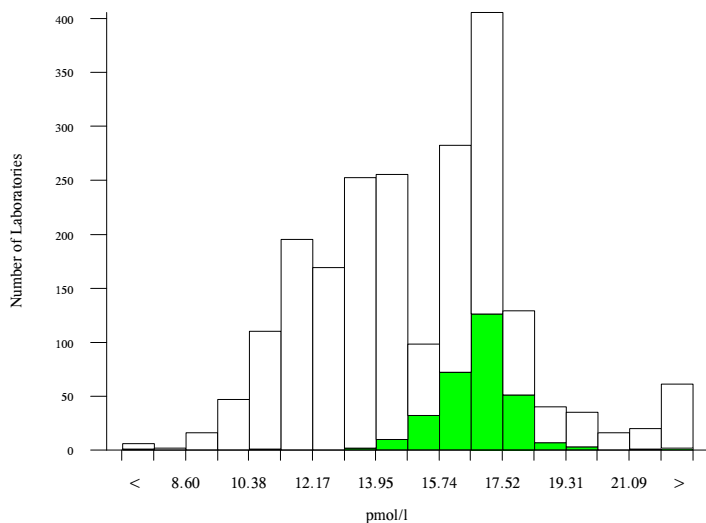
**RIQAS**  
PROFICIENCY TESTING

# Free T3, pmol/l

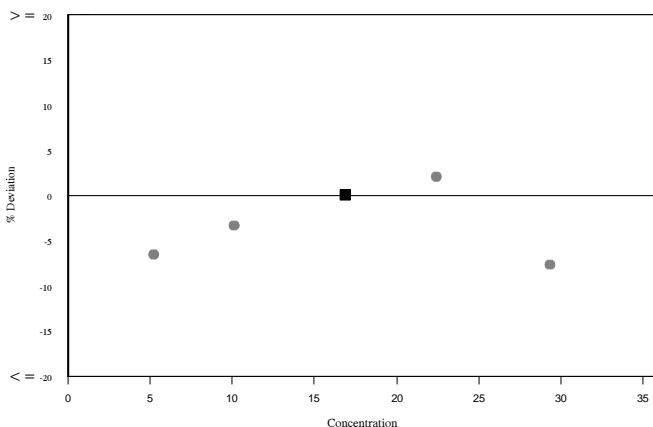
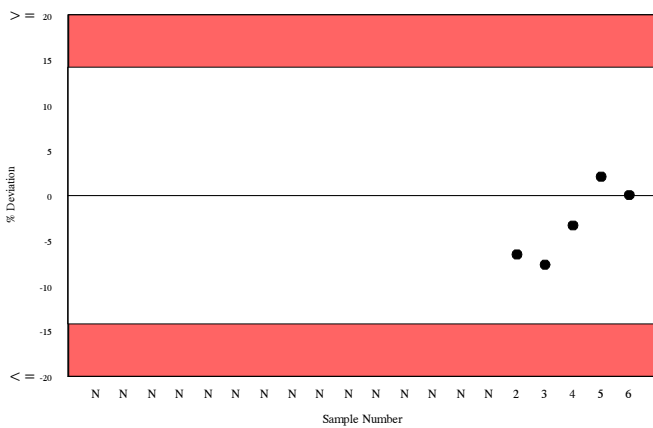
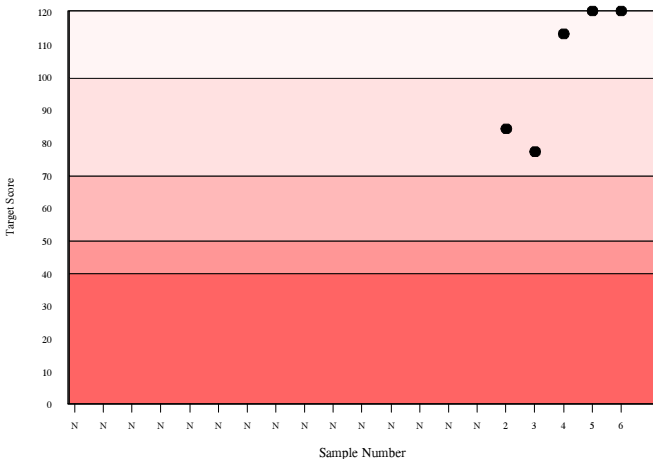
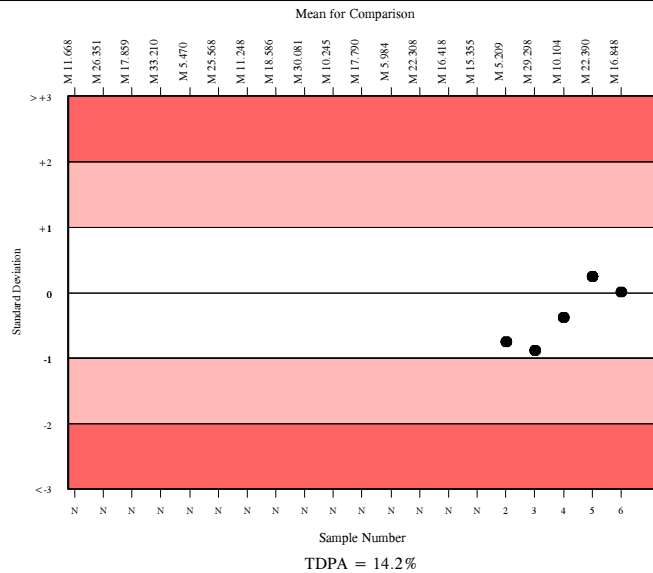
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	2011	14.850	16.0	0.07	1.28	139
Roche Cobas 4000/e411	283	16.848	4.6	0.06	1.45	25

▲ Your Result	16.860	SDI	0.01
		RMSDI	Too Few
■ Mean for Comparison	16.848	TS	120
		RMTS	Too Few
		%DEV	0.1
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation	11.3%
Acceptable limits of performance for RIQAS	14.20%



Method	N	Mean	CV%	U <sub>m</sub>
Roche Cobas 6000/8000	441	16.855	3.4	0.03
Abbott Architect	374	12.809	8.1	0.07
Roche Cobas 4000/e411	283	16.848	4.6	0.06
Siemens Centaur XP/XPT/Classic	235	14.114	3.6	0.04
Beckman DxI 600 / 800	147	11.656	7.3	0.09
Roche Elecsys	70	17.017	4.7	0.12
BioMerieux VIDAS	65	14.887	7.8	0.18
Beckman Access/LXi725	62	12.694	6.6	0.13
Diasorin Liaison	50	21.342	6.6	0.25
Siemens/DPC Immulite 2000/2500	46	11.035	5.9	0.12
Tosoh	38	19.637	8.0	0.32
Siemens Centaur CP	35	13.650	3.8	0.11
Ortho Vitros 3600/5600/ECi	26	35.016	0.1	0.01
SNIBE Maglumi analysers	27	9.830	4.4	0.10
Roche Modular E170	24	16.765	3.3	0.14
Siemens/DPC Immulite 1000	22	11.179	8.5	0.25
Fujirebio Lumipulse G Series	8	17.960	5.4	0.43
Siemens Dimension Vista LOCI	5	18.473	2.0	0.20
Siemens Dimension	3	18.227	14.0	1.84
Diasorin (RIA)	2	17.447	33.1	5.11
Human ELISA	2	11.151	0.8	0.08



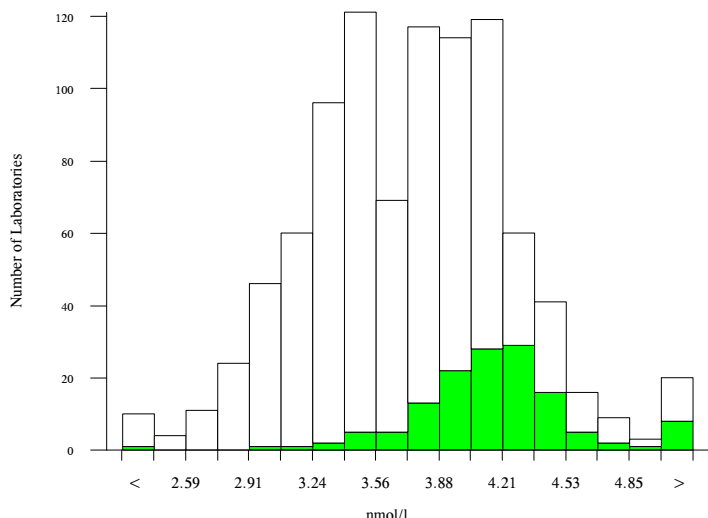
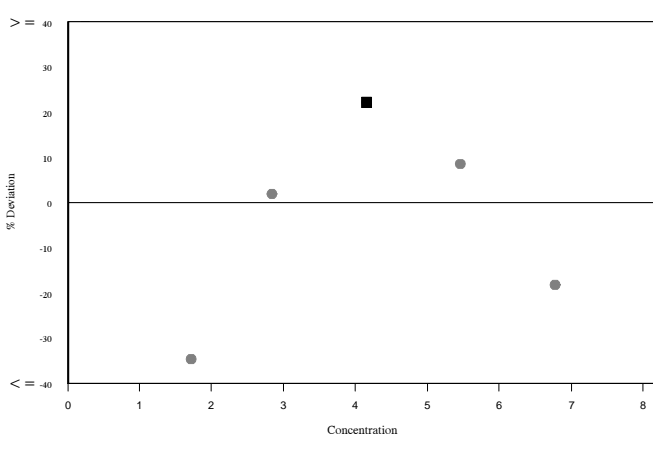
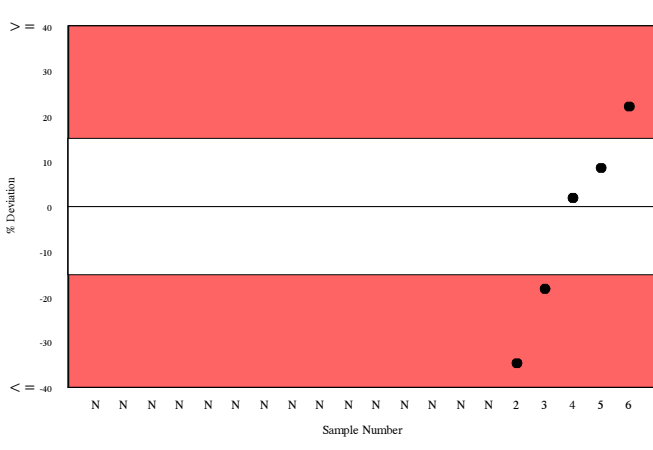
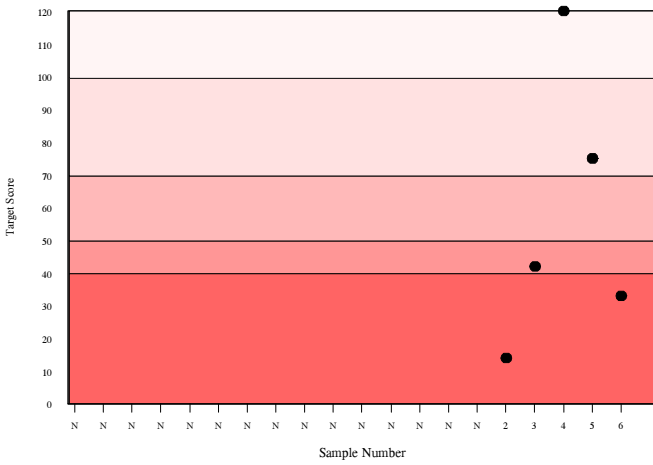
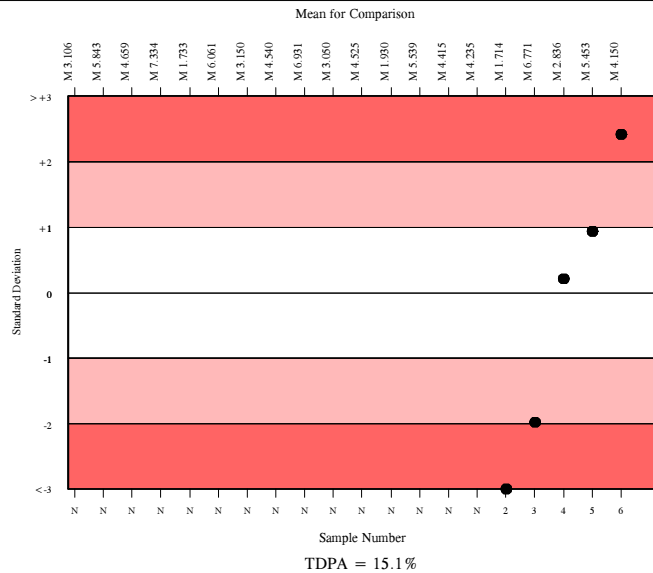
**RIQAS**

# Total T3, nmol/l

	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	881	3.726	11.6	0.02	0.34	59
Roche Cobas 4000/e411	122	4.150	6.2	0.03	0.38	17

▲ Your Result	5.070	SDI	2.41
		RMSDI	Too Few
■ Mean for Comparison	4.150	TS	33
		RMTS	Too Few
		%DEV	22.2
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation	9.22%
Acceptable limits of performance for RIQAS	15.10%
SDI in bottom 5% of peer group	
TS & %DEV outside limits	



Method	N	Mean	CV%	U <sub>m</sub>
Abbott Architect	190	3.344	6.1	0.02
Roche Cobas 6000/8000	169	3.992	4.2	0.02
Roche Cobas 4000/e411	122	4.150	6.2	0.03
Siemens Centaur XP/XPT/Classic	91	3.845	6.7	0.03
Siemens/DPC Immulite 2000/2500	41	3.090	5.8	0.03
Beckman DxI600 / 800	34	3.507	6.4	0.05
Ortho Vitros 3600/5600/ECi	32	4.330	4.7	0.04
bioMerieux, VIDAS	23	3.606	3.9	0.04
Beckman Access/LXi725	23	3.502	4.4	0.04
SNIBE Maglumi analysers	21	4.009	6.4	0.07
Siemens Centaur CP	20	3.832	5.1	0.05
Siemens/DPC Immulite 1000	20	3.221	8.7	0.08
Roche Elecsys	11	4.390	6.8	0.11
CJS, RIA coated tube	9	2.657	3.6	0.04
Roche Modular E170	10	3.917	2.9	0.05
Tosoh	9	3.666	17.0	0.26
Diasorin Liaison	8	3.112	6.0	0.08
Immunotech RIA	7	2.755	3.5	0.05
Monobind Inc. ELISA	6	3.632	17.8	0.33
ELISA	3	3.297	37.5	0.89
Fujirebio Lumipulse G Series	1	4.255	0.0	0.00



**RIQAS**  
PROFICIENCY TESTING

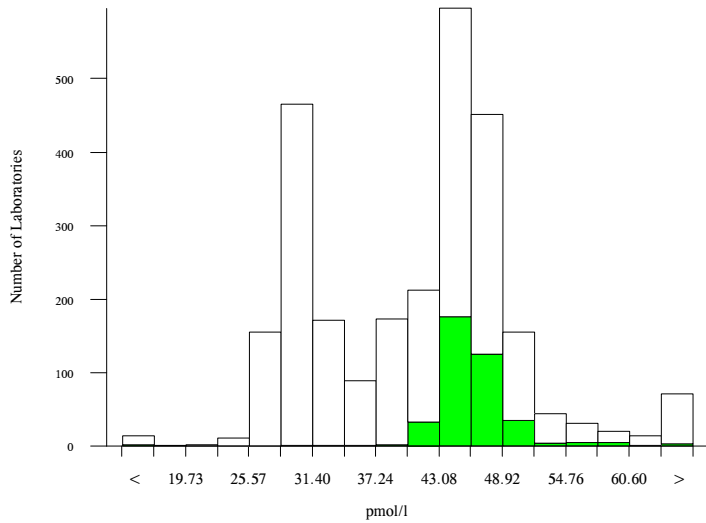


# Free T4, pmol/l

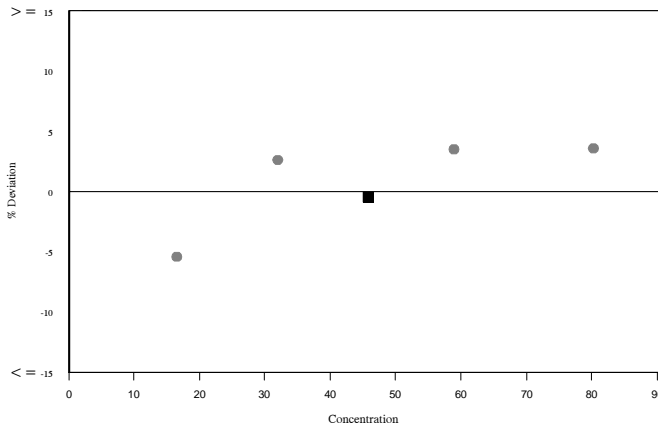
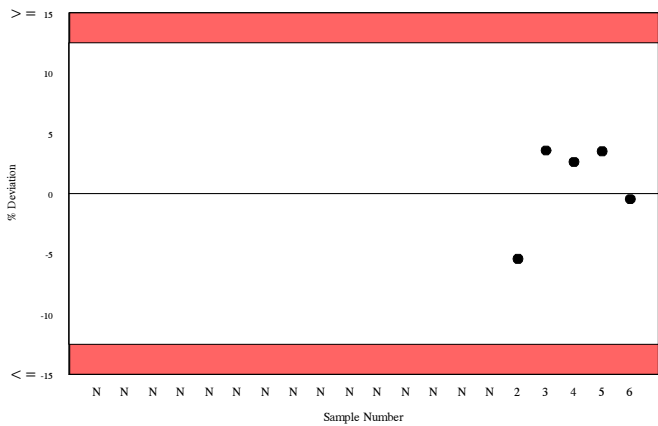
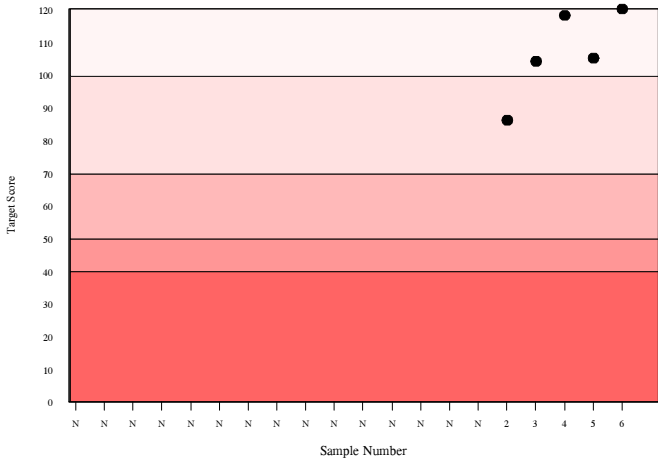
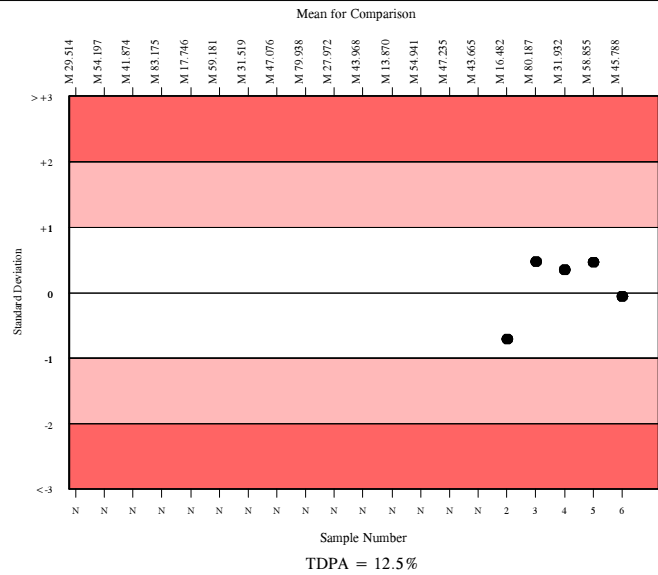
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	2549	40.168	19.4	0.19	3.05	143
Roche Cobas 4000/e411	351	45.788	4.1	0.12	3.48	43

<b>▲ Your Result</b>	45.580	SDI	-0.06
		RMSDI	Too Few
<b>■ Mean for Comparison</b>	45.788	TS	120
		RMTS	Too Few
		%DEV	-0.5
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation	8%
Acceptable limits of performance for RIQAS	12.50%



Method	N	Mean	CV%	U <sub>m</sub>
Roche Cobas 6000/8000	539	45.682	3.7	0.09
Abbott Architect	454	30.126	5.7	0.10
Roche Cobas 4000/e411	351	45.788	4.1	0.12
Siemens Centaur XP/XPT/Classic	267	29.497	5.6	0.13
Beckman DxI 600 / 800	188	39.977	4.0	0.15
Beckman Access/LXi725	93	38.175	4.7	0.23
Roche Elecsys	75	46.805	4.2	0.29
Siemens/DPC Immulite 2000/2500	73	46.798	5.2	0.36
bioMerieux, VIDAS-FT4N Kit	65	49.744	4.1	0.32
Diasorin Liaison	56	58.214	6.7	0.65
Ortho Vitros 3600/5600/ECi	42	89.581	0.9	0.16
Siemens Centaur CP	46	32.812	4.6	0.28
Tosoh	41	48.630	8.3	0.79
Siemens/DPC Immulite 1000	42	47.336	7.0	0.64
SNIBE Maglumi analysers	26	42.542	3.1	0.32
Roche Modular E170	26	45.224	2.6	0.28
CIS, RIA coated tube	11	42.999	13.7	2.23
Fujirebio Lumipulse G Series	8	33.653	1.6	0.24
ImmunoTech IRMA	7	36.949	7.4	1.29
Monobind Inc. ELISA / CLIA	7	33.553	18.4	2.92
Siemens Dimension Vista LOCI	6	46.003	2.0	0.47



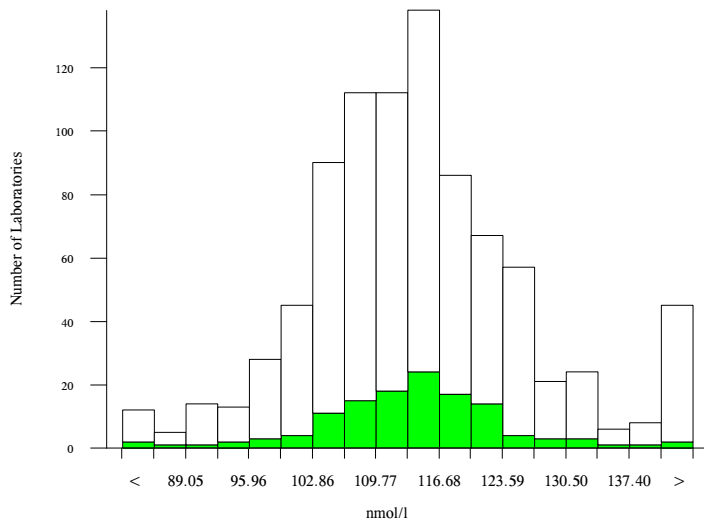
**RIQAS**

# Total T4, nmol/l

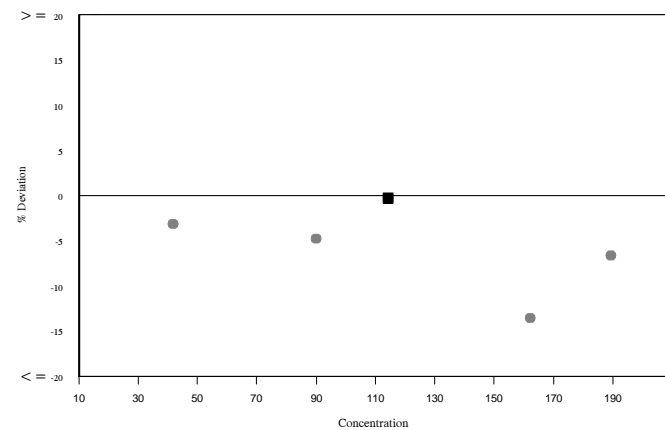
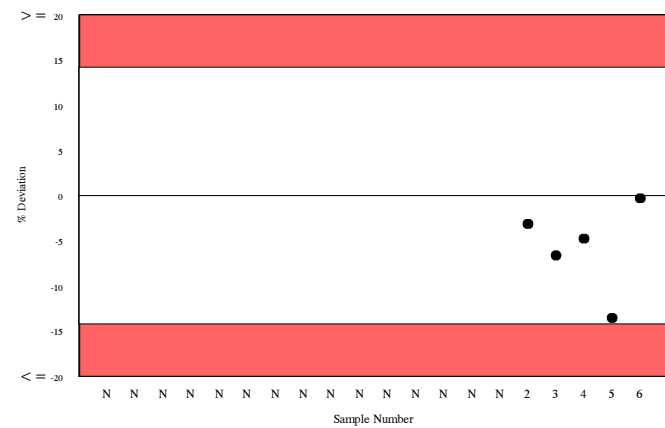
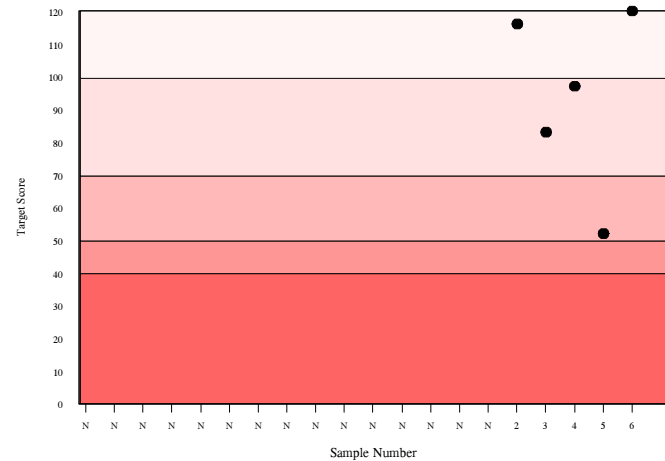
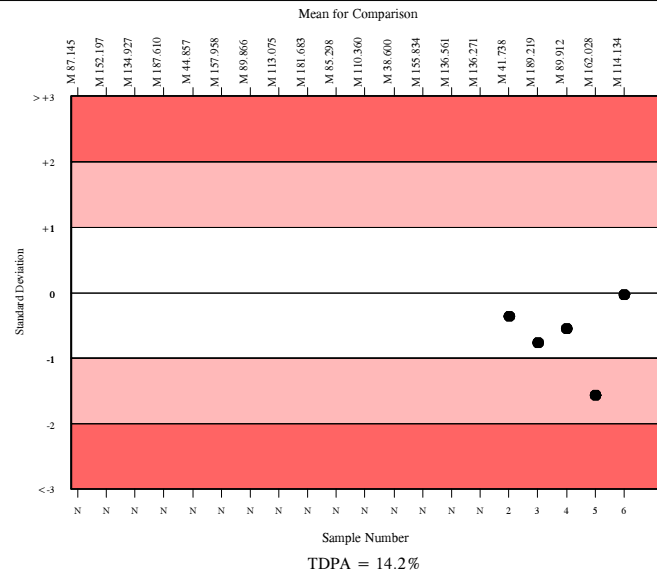
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	816	113.231	8.1	0.40	9.78	69
Roche Cobas 4000/e411	115	114.134	6.4	0.86	9.85	11

▲ Your Result	113.800	SDI	-0.03
		RMSDI	Too Few
■ Mean for Comparison	114.134	TS	120
		RMTS	Too Few
		%DEV	-0.3
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation	7%
Acceptable limits of performance for RIQAS	14.20%



Method	N	Mean	CV%	U <sub>m</sub>
Abbott Architect	174	116.750	5.8	0.64
Roche Cobas 6000/8000	166	108.511	4.7	0.50
Roche Cobas 4000/e411	115	114.134	6.4	0.86
Siemens Centaur XP/XPT/Classic	79	117.359	6.6	1.10
Siemens/DPC Immulite 2000/2500	57	113.641	7.9	1.49
Ortho Vitros 3600/5600/ECi	30	109.361	5.7	1.42
bioMerieux, VIDAS	26	123.058	6.4	1.93
Beckman DxI 600 / 800	27	106.478	6.6	1.70
SNIBE Maglumi analysers	18	150.360	2.5	1.09
Siemens Centaur CP	19	119.548	5.3	1.83
Siemens/DPC Immulite 1000	18	110.351	12.4	4.03
Beckman Access/LXi725	16	106.440	8.5	2.83
Roche Elecsys	10	112.207	8.6	3.82
Diasorin Liaison	8	106.577	9.5	4.47
Roche Modular E170	9	107.228	2.3	1.04
Tosoh	9	115.188	23.7	11.39
CIS, RIA coated tube	7	108.201	8.9	4.54
Immunotech RIA	8	92.836	8.8	3.59
Monobind Inc. ELISA / CLIA	5	109.534	14.6	8.93
ELISA	4	99.939	22.0	13.77
Fujirebio Lumipulse G Series	2	155.870	0.7	0.99



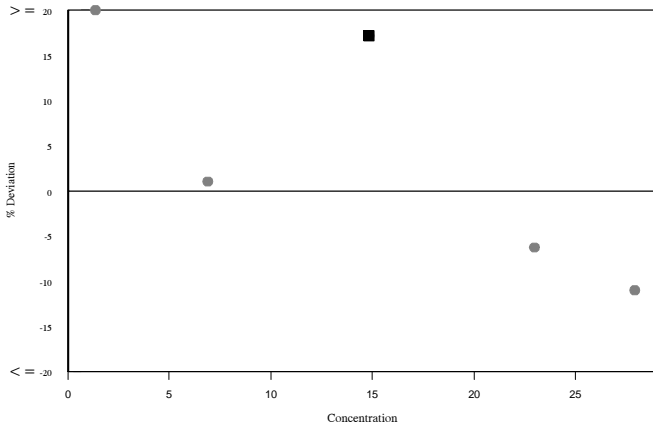
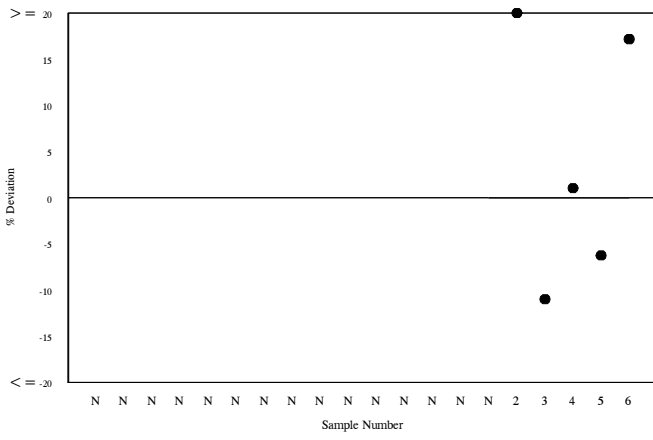
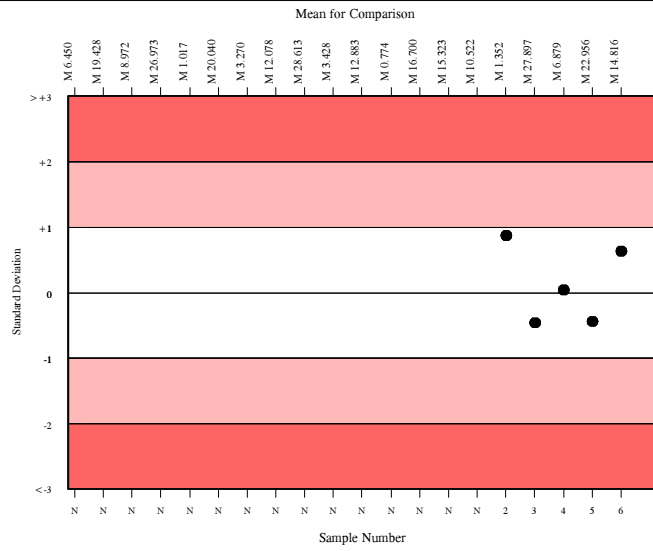
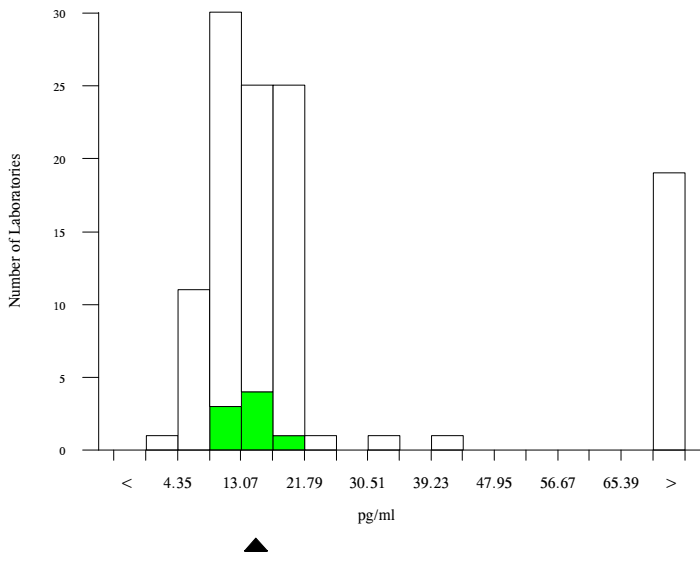
**RIQAS**

# Free Testosterone (Pilot), pg/ml

	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	98	18.133	94.9	2.17	17.21	16
IBL ELISA	8	14.816	24.9	1.63	4.04a	0

▲ Your Result	17.360	SDI	0.63
		RMSDI	Too Few
■ Mean for Comparison	14.816	TS	N/A
		RMTS	N/A
		%DEV	17.2
		RM%DEV	Too Few

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



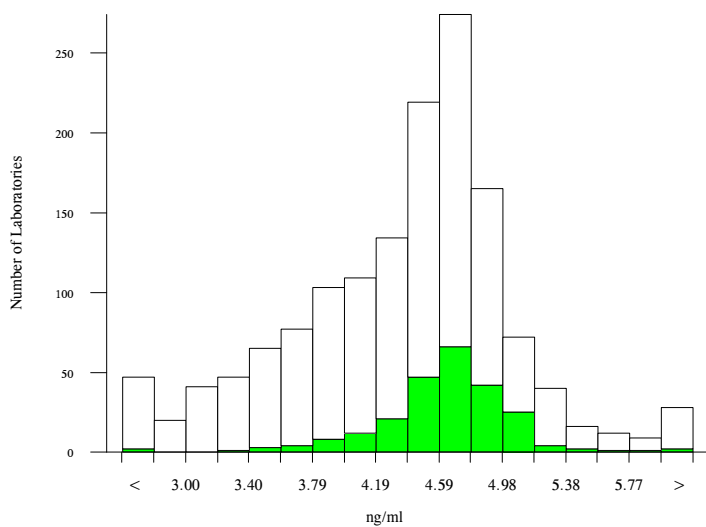
Method	N	Mean	CV%	U <sub>m</sub>
SNIBE Maglumi analysers	19	19.098	10.8	0.59
DRG, ELISA	13	15.864	11.2	0.62
Monobind Inc. ELISA / CLIA	14	11.899	34.8	1.38
Calculated	13	98.704	15.9	5.44
DIAsource, RIA	6	9.725	12.6	0.63
IBL ELISA	8	14.816	24.9	1.63
ELISA	4	11.180	48.5	3.39
Novatec ELISA	5	13.456	30.7	2.31
Diametra ELISA	4	13.309	30.3	2.52
Roche Cobas 4000/e411	4	97.097	13.1	7.98
Roche Cobas 6000/8000	2	107.925	7.0	6.66
DBC, ELISA	3	7.563	16.8	0.92
DSL/Beckman Coulter, RIA	3	14.322	18.1	1.87
Diasorin, RIA	2	9.700	2.9	0.25
Immunotech RIA	2	15.825	28.8	4.03
Radim RIA	1	11.390	0.0	0.00

# Testosterone, ng/ml

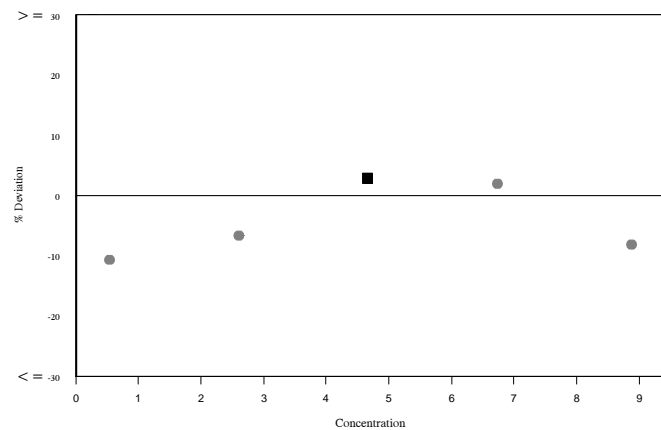
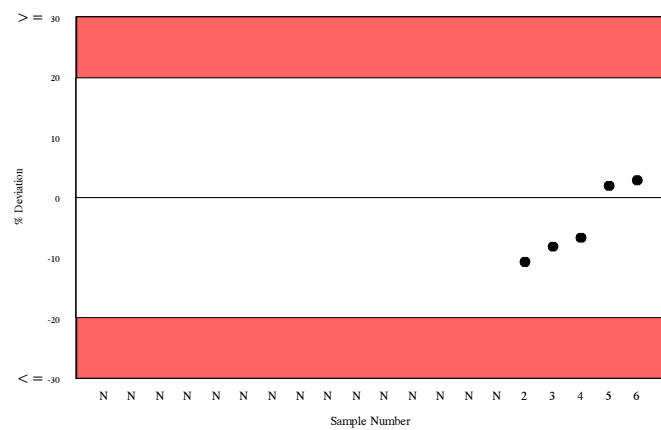
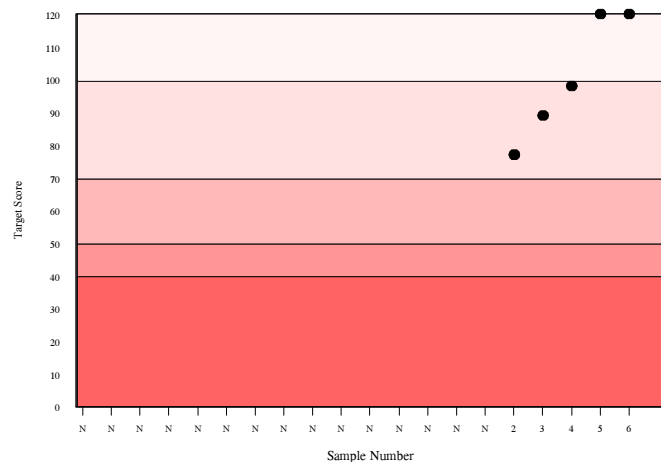
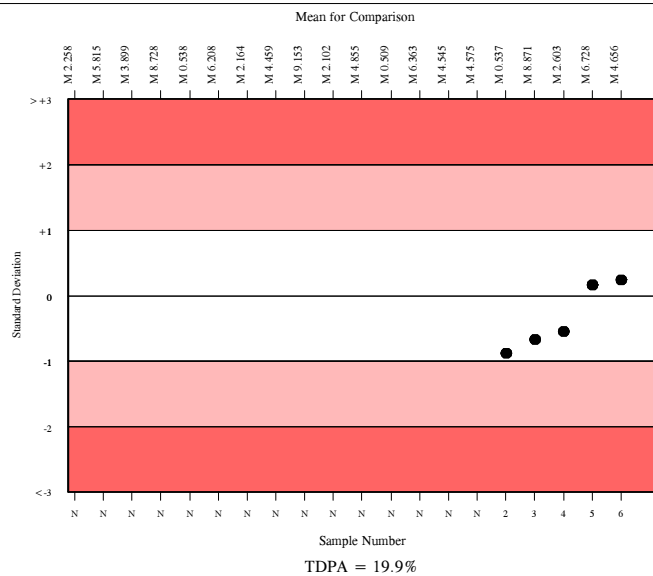
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	1351	4.393	12.0	0.02	0.53	127
Roche Cobas 4000/e411 Test II	222	4.656	6.2	0.02	0.56	19

▲ Your Result	4.790	SDI	0.24
		RMSDI	Too Few
■ Mean for Comparison	4.656	TS	120
		RMTS	Too Few
		%DEV	2.9
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation	13.61%
Acceptable limits of performance for RIQAS	19.90%



Method	N	Mean	CV%	U <sub>m</sub>
Roche Cobas 6000/8000 Test II	299	4.674	4.1	0.01
Roche Cobas 4000/e411 Test II	222	4.656	6.2	0.02
Abbott Architect	147	4.481	6.5	0.03
Siemens Centaur XP/XPT/Classic TSTO	113	3.457	14.0	0.06
Beckman DxI 600 / 800	105	3.792	4.5	0.02
Abbott Architect 2nd gen	68	4.454	5.9	0.04
bioMerieux VIDAS Testosterone II	57	3.265	7.3	0.04
Siemens/DPC Immulite 2000/2500	54	4.736	8.5	0.07
Roche Elecsys Test II	47	4.554	5.1	0.04
Beckman Access/LXi725	31	3.985	4.5	0.04
bioMerieux, VIDAS	25	3.381	7.2	0.06
Ortho Vitros 3600/5600/ECi	26	5.097	5.2	0.06
TOSOH	24	5.507	11.8	0.17
Siemens Centaur XP/XPT/Classic TSTII	22	4.081	6.4	0.07
SNIBE Maglumi analysers	22	4.407	9.4	0.11
Roche Modular E170 Test II	21	4.703	3.5	0.04
Diasorin Liaison	11	2.102	8.2	0.07
Siemens/DPC Immulite 1000	10	5.738	12.2	0.28
Siemens Centaur CP	11	3.759	13.2	0.19
CIS, RIA Coated tube	6	4.143	8.6	0.18
Fujirebio Lumipulse G Series	5	4.327	11.6	0.28

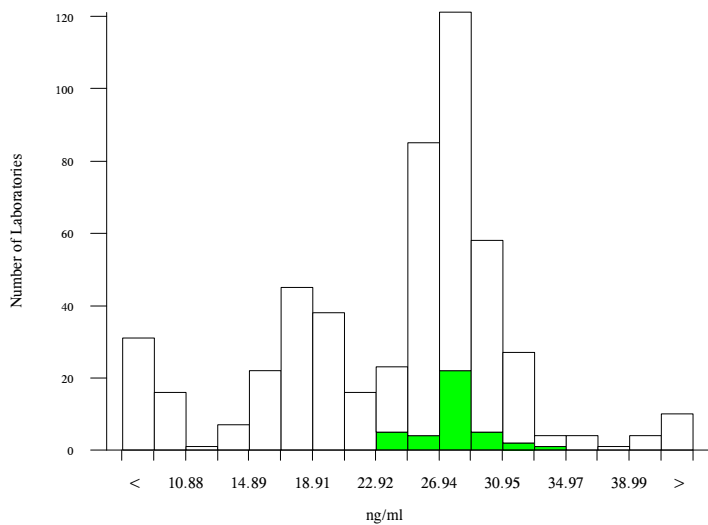


# Thyroglobulin, ng/ml

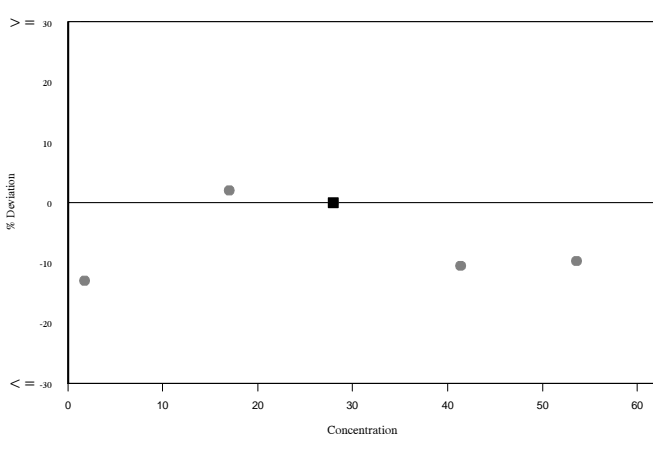
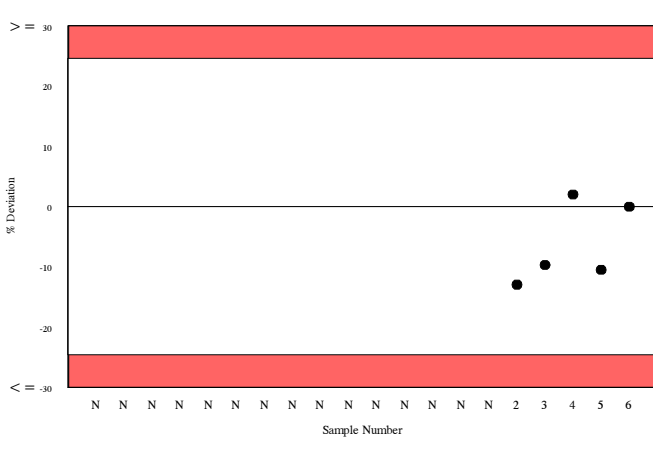
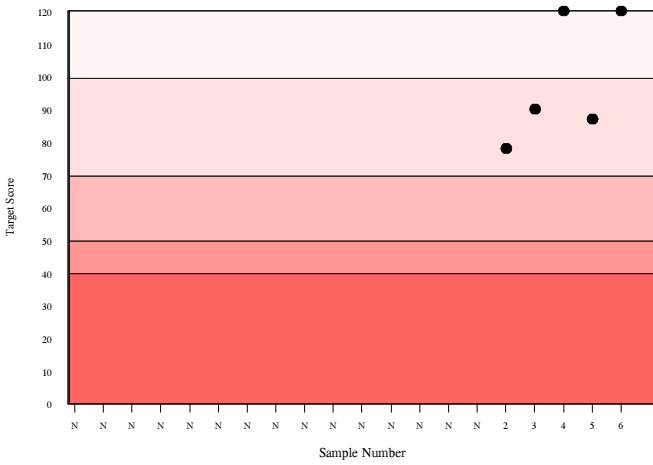
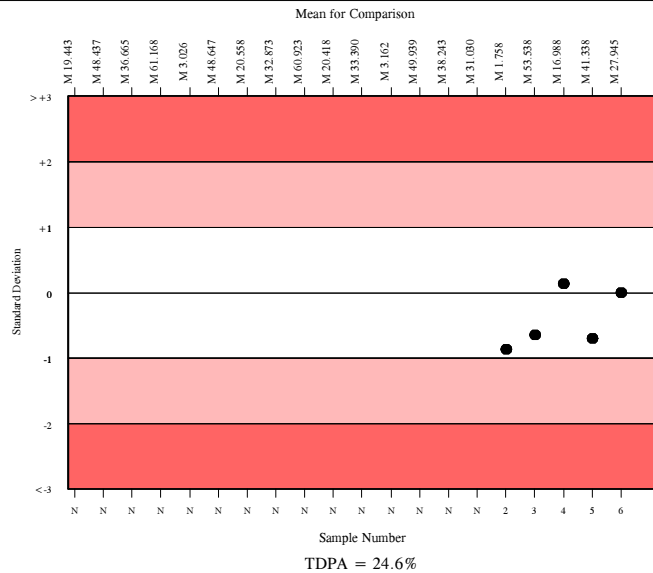
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	463	24.937	21.5	0.31	3.73	50
Roche Cobas 4000/e411 TgII	36	27.945	6.2	0.36	4.18	3

▲ Your Result	27.940	SDI	-0.00
		RMSDI	Too Few
■ Mean for Comparison	27.945	TS	120
		RMTS	Too Few
		%DEV	-0.0
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation	21.9%
Acceptable limits of performance for RIQAS	24.60%



Method	N	Mean	CV%	U <sub>m</sub>
DPC Immulite 2000/2500	101	18.352	8.8	0.20
Roche Cobas 6000/8000 Tg II	66	26.970	4.4	0.18
Roche Cobas 6000/8000	53	26.916	4.3	0.20
Beckman Dxi 600 / 800	41	29.361	4.9	0.28
Roche Cobas 4000/e411	39	28.003	6.2	0.35
Roche Cobas 4000/e411 TgII	36	27.945	6.2	0.36
Diasorin Liaison	27	7.433	17.4	0.31
Tosoh	18	27.895	6.5	0.54
DPC Immulite 1000	15	20.727	9.0	0.60
Beckman Access	13	31.466	3.1	0.33
CIS, RIA coated tube	11	41.663	4.2	0.66
SNIBE Maglumi analysers	9	10.396	2.6	0.11
Roche Elecsys	11	26.950	8.7	0.89
Roche Elecsys Tg II	6	27.008	7.6	1.05
Roche Modular E170 Tg II	7	26.581	3.1	0.39
Roche Modular E170	6	27.452	7.8	1.10
Diesse, Chorus	3	7.567	18.8	1.03

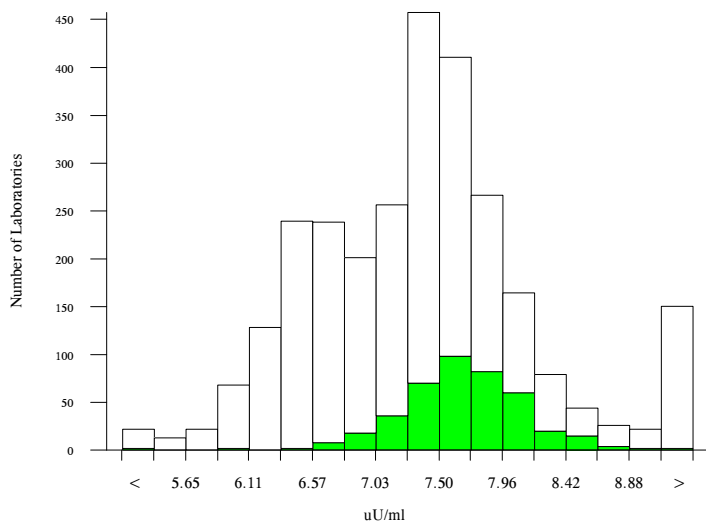


# TSH, uU/ml

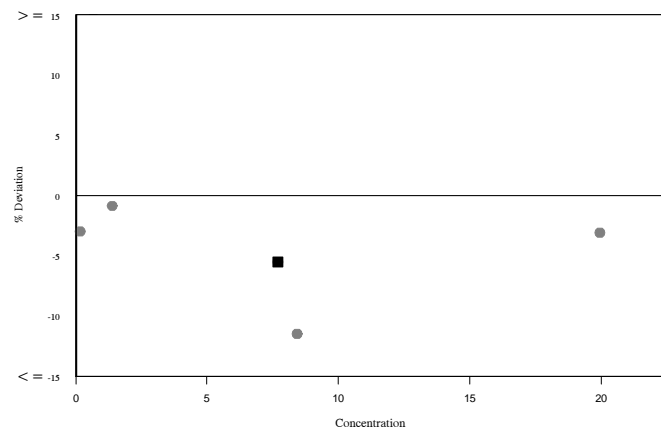
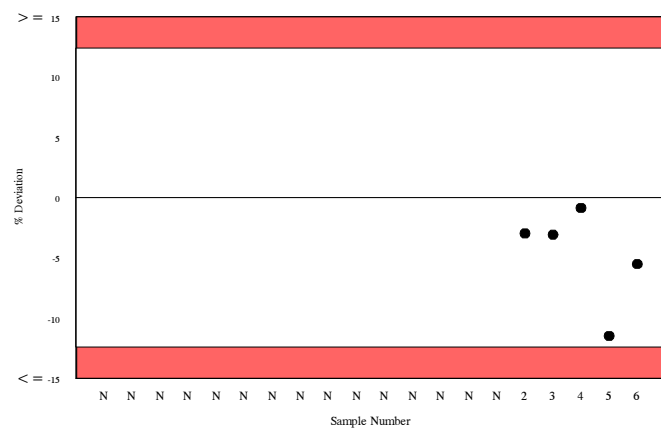
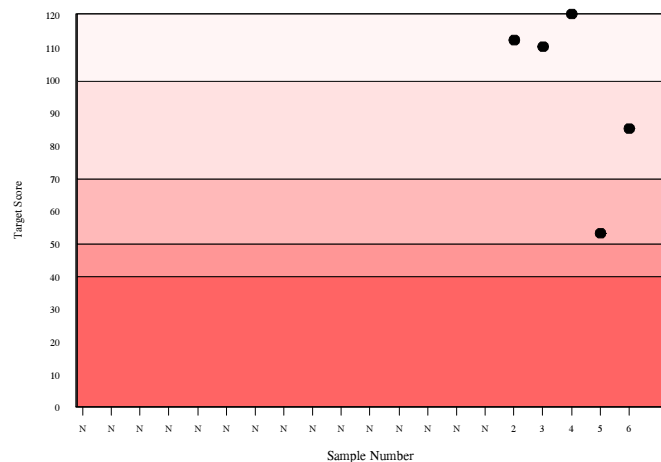
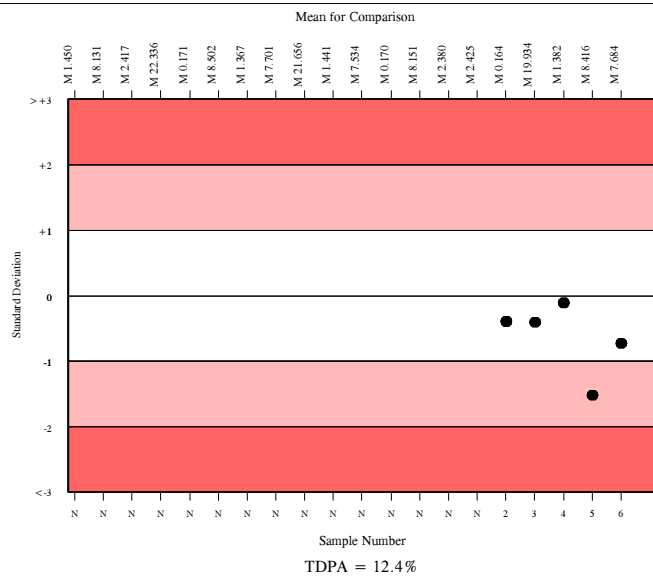
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	2580	7.270	8.5	0.02	0.55	227
Roche Cobas 4000/e411	395	7.684	4.7	0.02	0.58	26

▲ Your Result	7.260	SDI	-0.73
		RMSDI	Too Few
■ Mean for Comparison	7.684	TS	85
		RMTS	Too Few
		%DEV	-5.5
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation	23.7%
Acceptable limits of performance for RIQAS	12.40%



Method	N	Mean	CV%	U <sub>m</sub>
Roche Cobas 6000/8000	541	7.467	2.7	0.01
Abbott Architect	475	6.537	4.6	0.02
Roche Cobas 4000/e411	395	7.684	4.7	0.02
Siemens Centaur XP/Classic TSH3-Ultra	142	7.687	4.3	0.03
Siemens Centaur XP/XPT/Classic	117	7.540	5.6	0.05
Beckman DxI600/800 Hyper TSH	98	6.574	4.7	0.04
Roche Elecsys	77	7.572	4.7	0.05
Access/LXi725 hyper TSH 3rd gen	72	6.761	5.1	0.05
Siemens/DPC Immulite 2000/2500	73	7.455	5.7	0.06
Beckman DXI600/800 Access(3rd IS)	70	6.638	5.7	0.06
Ortho Vitros 3600/5600/ECi	59	10.269	3.6	0.06
bioMerieux, VIDAS, TSH	64	7.942	7.4	0.09
Diasorin Liaison	57	9.373	8.9	0.14
Tosoh	46	7.938	8.1	0.12
Siemens/DPC Immulite 1000	43	7.533	4.0	0.06
Siemens Centaur CP	35	7.714	6.1	0.10
Beckman Dxl600/800 Fast TSH	29	6.582	3.5	0.05
SNIBE Maglumi analysers	27	9.475	4.5	0.10
Roche Modular E170	26	7.448	2.9	0.05
Siemens Centaur CP TSH3-Ultra	19	7.688	4.7	0.10
Siemens Centaur XP/Classic 3rdGeneration	17	7.315	4.1	0.09

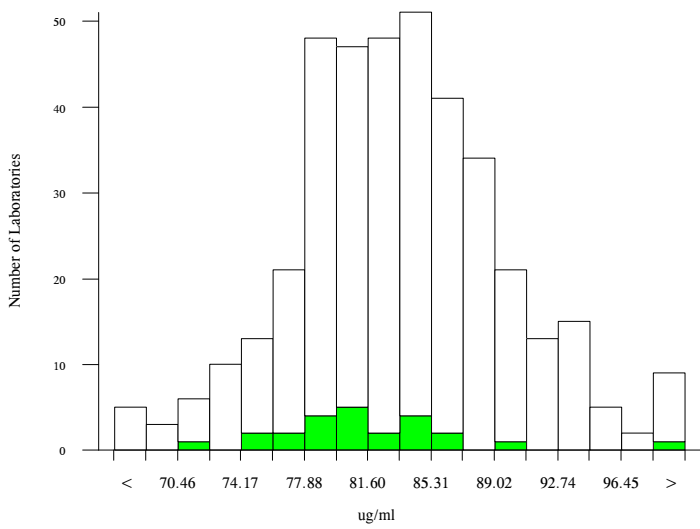


# Valproic acid, ug/ml

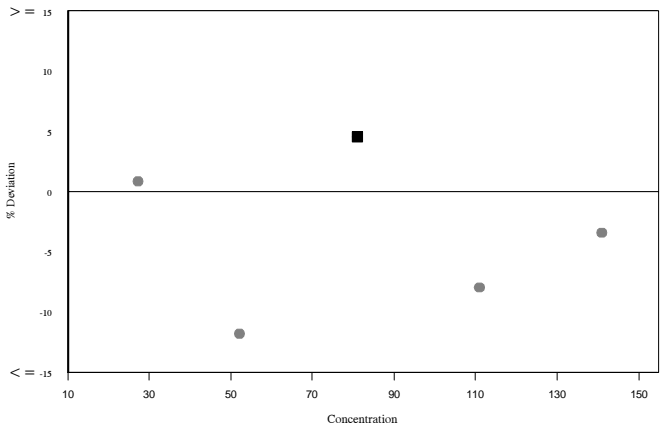
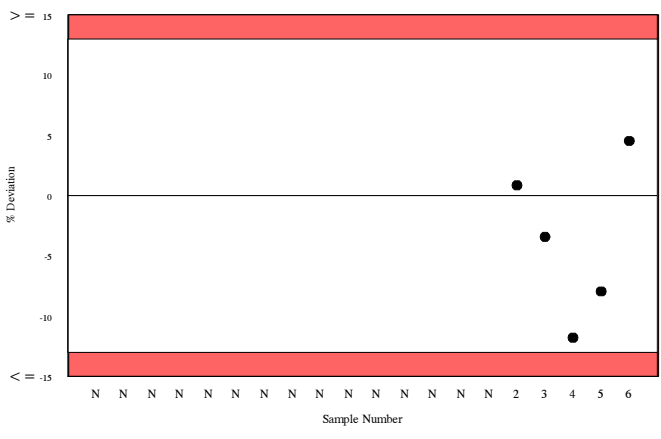
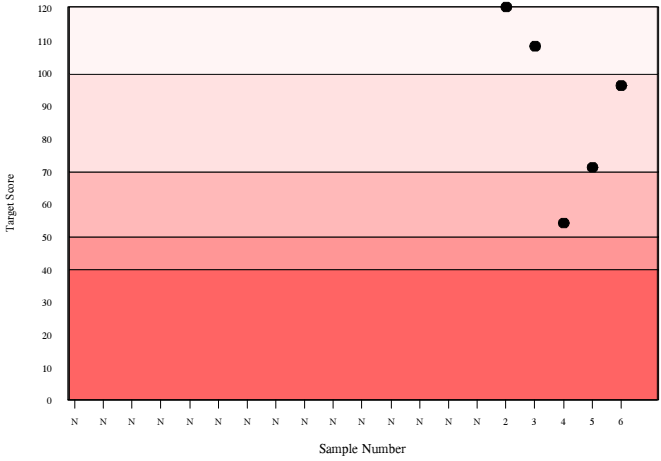
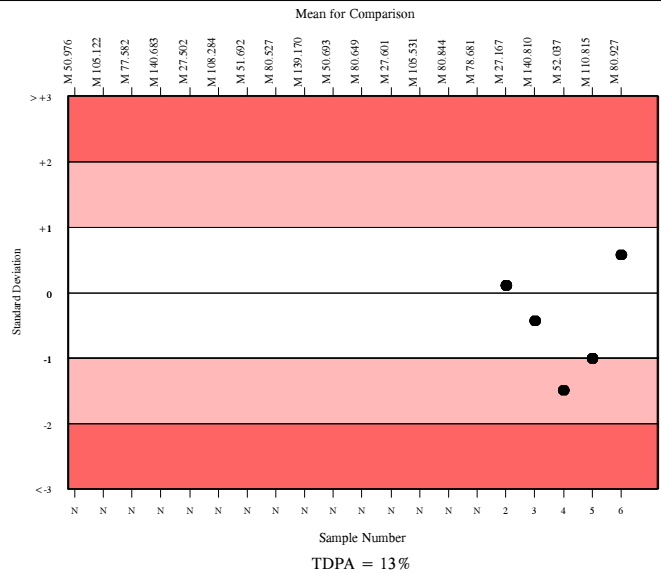
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	363	83.459	5.9	0.32	6.60	29
Siemens/DPC Immulite 2000/2500	21	80.927	4.3	0.95	6.40	3

▲ Your Result	84.600	SDI RMSDI	0.57 Too Few
■ Mean for Comparison	80.927	TS RMTS	96 Too Few
		%DEV RM%DEV	4.5 Too Few

Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	13.00%



Method	N	Mean	CV%	U <sub>m</sub>
Abbott Architect	123	84.522	6.1	0.58
Roche Cobas 6000/8000	68	82.166	5.6	0.70
Siemens Centaur XP/XPT/Classic	27	83.462	5.4	1.09
Beckman AU400/600/640/2700/5400	23	87.666	2.8	0.65
Siemens/DPC Immulite 2000/2500	21	80.927	4.3	0.95
Roche Integra	18	80.567	3.0	0.71
Siemens Dimension	18	83.665	2.1	0.52
Siemens/DPC Immulite 1000	16	83.349	5.4	1.41
Beckman DxC	10	75.237	5.3	1.58
Ortho Vitros 4600/5600/5.1	8	74.702	5.8	1.92
Roche Cobas 4000/c311	6	84.492	1.9	0.81
Siemens Centaur CP	4	97.318	19.9	12.12
Siemens Advia 1200/1650/1800/2400	4	86.963	7.1	3.86
Abbott AxSYM	3	73.880	20.5	10.93
Siemens Syva/Emit	2	82.000	5.2	3.75
Roche Modular P/D	2	84.450	3.8	2.81
Randox RX Series	2	79.715	0.7	0.48



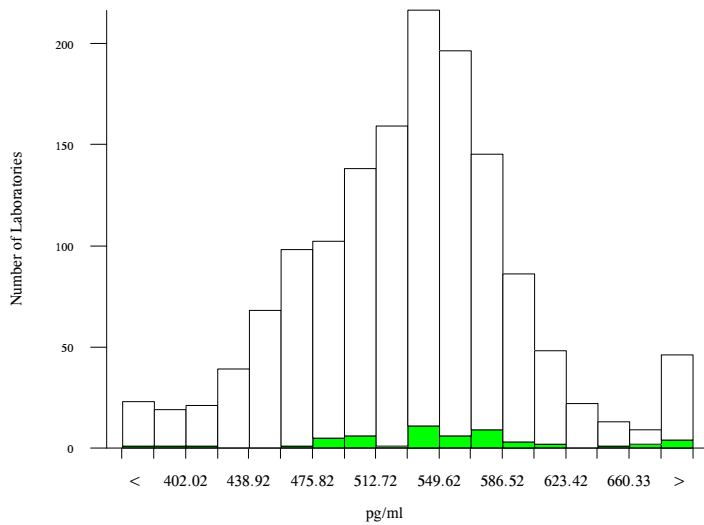
**RIQAS**

# Vitamin B12, pg/ml

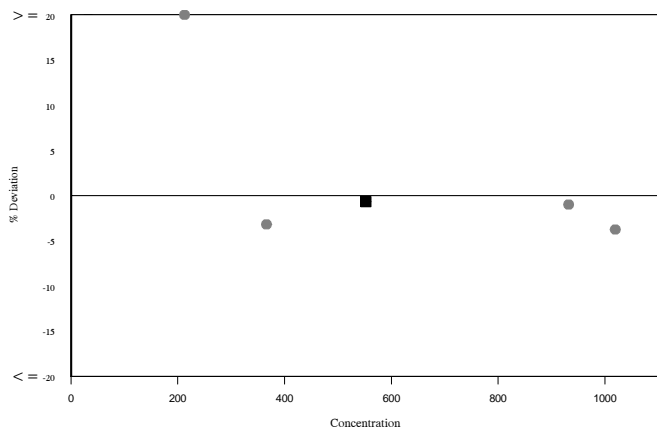
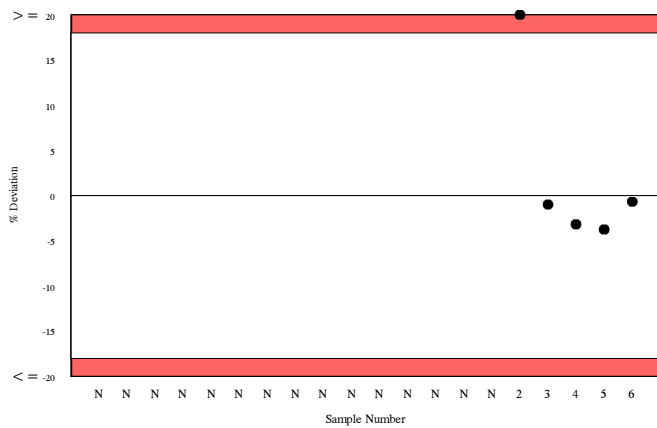
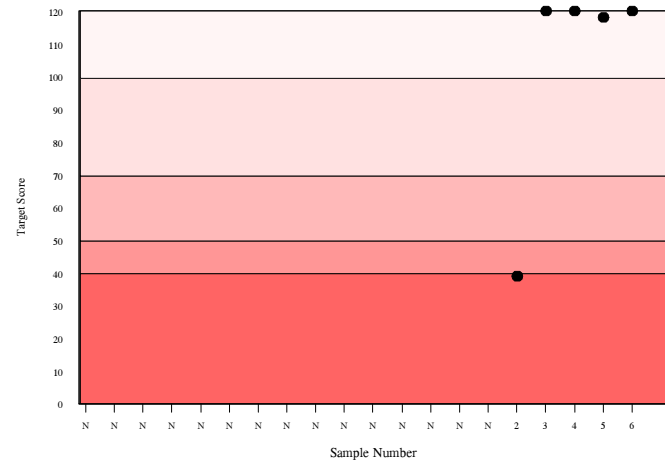
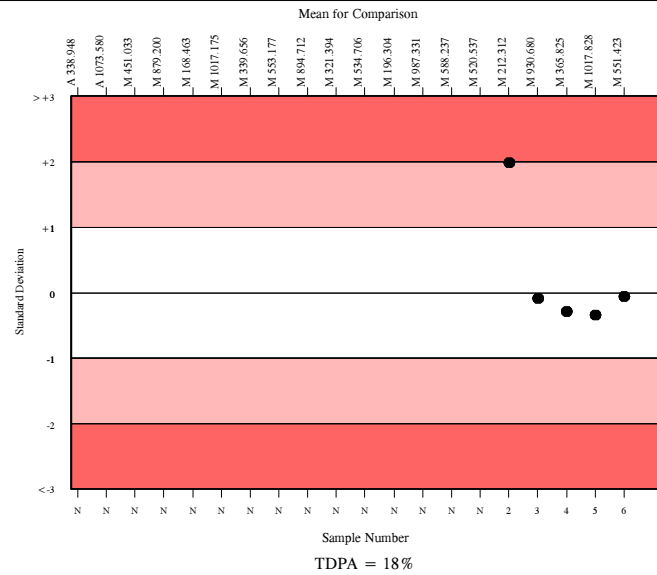
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	1334	531.177	9.3	1.68	58.13	114
Roche Cobas 4000/e411 Gen II	47	551.423	8.5	8.51	60.34	7

▲ Your Result	547.700	SDI	-0.06
		RMSDI	Too Few
■ Mean for Comparison	551.423	TS	120
		RMTS	Too Few
		%DEV	-0.7
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation	30%
Acceptable limits of performance for RIQAS	18.00%



Method	N	Mean	CV%	U <sub>m</sub>
Abbott Architect	273	524.109	7.3	2.88
Roche Cobas 6000/8000	237	549.011	4.4	1.96
Roche Cobas 4000/e411	165	541.728	7.7	4.08
Siemens Centaur XP/XPT/Classic	152	570.417	7.1	4.08
Beckman DxI 600 / 800	134	458.426	5.2	2.60
Roche Cobas 6000/8000 Gen II	70	546.893	3.2	2.62
Roche Cobas 4000/e411 Gen II	47	551.423	8.5	8.51
Beckman Access/LXi725	49	467.052	6.7	5.58
Siemens/DPC Immulite 2000	41	460.552	13.1	11.75
Roche Elecsys	32	551.351	9.5	11.53
Ortho Vitros 3600/5600/ECi	30	559.131	5.9	7.49
Roche Modular E170	24	551.410	6.8	9.60
TOSOH	13	705.119	4.9	12.07
Siemens Centaur CP	14	598.039	11.4	22.82
SNIBE Maglumi analysers	12	397.859	2.5	3.57
Siemens Dimension	7	496.595	3.8	8.99
Siemens/DPC Immulite 1000	4	438.503	27.2	74.44
MP Biomedicals RIA	5	498.370	7.7	21.59
Roche Modular E170 Gen II	4	535.875	5.4	17.94
Abbott AxSYM	2	527.650	2.3	10.81



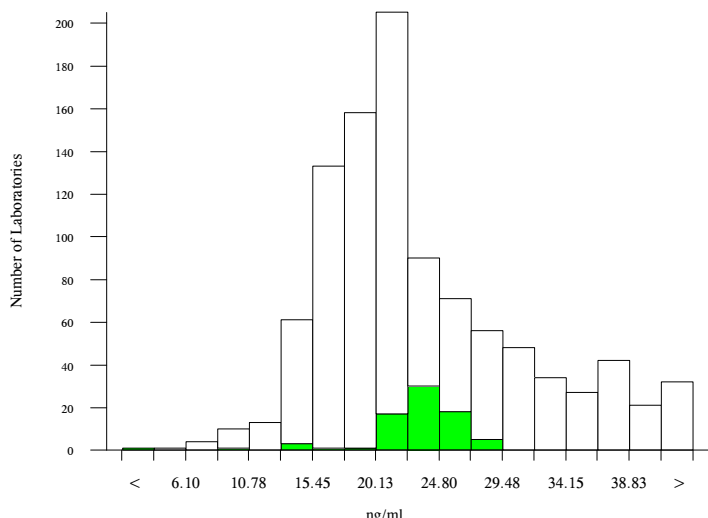
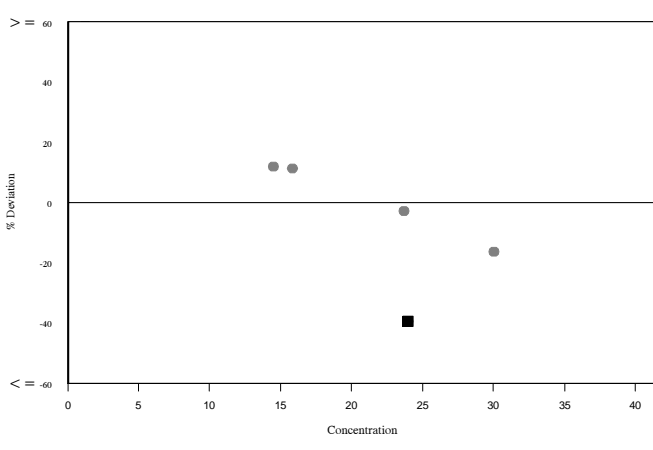
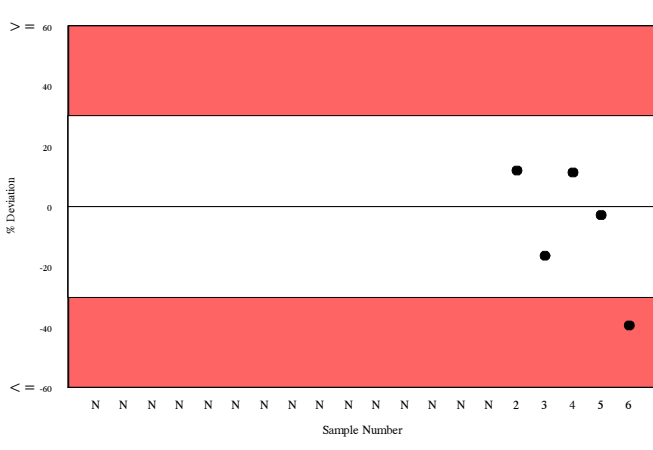
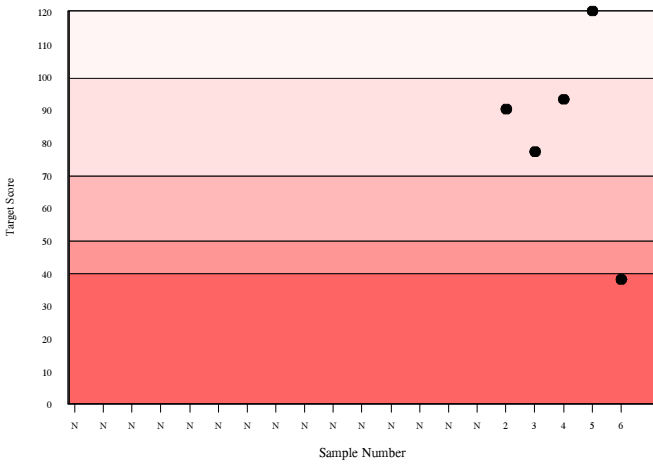
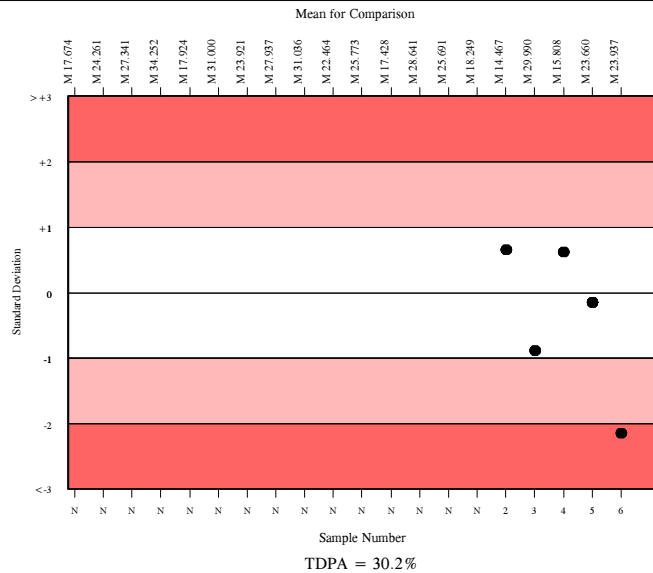


# 25-OH-Vitamin D, ng/ml

	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	944	22.471	27.7	0.25	4.13	63
bioMerieux Vidas/mini Vidas/Vidas 3	67	23.937	7.1	0.26	4.39	10

▲ Your Result	14.500	SDI	-2.15
		RMSDI	Too Few
■ Mean for Comparison	23.937	TS	38
		RMTS	Too Few
		%DEV	-39.4
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	30.20%
SDI in bottom 5% of peer group	
TS & %DEV outside limits	



Method	N	Mean	CV%	U <sub>m</sub>
Roche Vitamin D Total	352	17.512	13.0	0.15
Abbott Architect	189	21.086	5.6	0.11
Siemens Centaur XP/XPT/Classic	78	37.541	7.1	0.37
bioMerieux Vidas/mini Vidas/Vidas 3	67	23.937	7.1	0.26
Beckman DxI 600 /800	71	28.870	9.6	0.41
Diasorin Liaison	62	29.620	8.8	0.41
Ortho Vitros 3600/5600/ECi	24	41.105	7.8	0.81
Beckman Access 25 OH Vitamin D Total	20	30.338	16.0	1.36
SNIBE Maglumi Analyser	15	26.574	5.3	0.45
TOSOH	10	24.097	15.3	1.46
Fujirebio Lumipulse G Series	8	22.975	5.6	0.57
HPLC/UPLC	4	19.745	4.0	0.50
IDS iSYS	6	21.356	15.5	1.69
ELISA	4	30.554	17.5	3.35
LC/MS	3	22.511	15.7	2.56
DIAsource, RIA	2	18.260	68.5	11.05



**RIQAS**

Analyte	Mean for Comparison	Your Result	SDI	RMSDI	%DEV	RM%DEV	TS	RMTS	Performance
ACTH	43.641	24.350	-1.54	Too Few	-44.2	Too Few	N/A	N/A	
AFP	112.502	110.000	-0.24	Too Few	-2.2	Too Few	120	Too Few	
Aldosterone	205.781	199.000	-0.10	Too Few	-3.3	Too Few	120	Too Few	
Androstenedione	4.921	4.990	0.10	Too Few	1.4	Too Few	120	Too Few	
Beta-2-Microglobulin	3.413	3.040	-1.04	Too Few	-10.9	Too Few	70	Too Few	
CA 125	121.981	127.300	0.55	Too Few	4.4	Too Few	97	Too Few	
CA 15-3	57.047	58.610	0.32	Too Few	2.7	Too Few	120	Too Few	
CA 19-9	78.585	69.910	-1.14	Too Few	-11.0	Too Few	66	Too Few	
CEA	28.030	27.400	-0.27	Too Few	-2.2	Too Few	120	Too Few	
Cortisol	536.651	625.500	1.85	Too Few	<u>16.6</u>	Too Few	<u>45</u>	Too Few	
C-Peptide	5.787	5.690	-0.09	Too Few	-1.7	Too Few	120	Too Few	
DHEA-S	468.892	449.400	-0.37	Too Few	-4.2	Too Few	115	Too Few	
Digoxin	1.937	1.850	-0.39	Too Few	-4.5	Too Few	111	Too Few	
Ferritin	175.220	166.800	-0.56	Too Few	-4.8	Too Few	97	Too Few	
Folate	4.456	4.920	0.82	Too Few	10.4	Too Few	77	Too Few	
FSH	25.488	25.010	-0.24	Too Few	-1.9	Too Few	120	Too Few	
GH	7.756	7.830	0.08	Too Few	0.9	Too Few	120	Too Few	
hCG	178.417	146.300	<u>-2.13</u>	Too Few	<u>-18.0</u>	Too Few	<u>39</u>	Too Few	▲
IgE	375.888	389.000	0.41	Too Few	3.5	Too Few	110	Too Few	
Insulin	17.210	18.680	0.72	Too Few	8.5	Too Few	86	Too Few	
LH	25.956	27.160	0.64	Too Few	4.6	Too Few	91	Too Few	
Oestradiol	227.486	226.000	-0.06	Too Few	-0.7	Too Few	120	Too Few	
17-OH-Progesterone	5.940	5.690	-0.66	Too Few	-4.2	Too Few	N/A	N/A	
Progesterone	17.476	19.100	0.84	Too Few	9.3	Too Few	79	Too Few	
Prolactin	677.957	657.300	-0.21	Too Few	-3.0	Too Few	120	Too Few	
PSA, Free	13.307	13.340	0.03	Too Few	0.2	Too Few	120	Too Few	
PSA, Total	20.032	17.460	-1.72	Too Few	<u>-12.8</u>	Too Few	<u>48</u>	Too Few	
Parathyroid hormone	270.776	190.100	-1.10	Too Few	-29.8	Too Few	N/A	N/A	
Sex Hormone Binding Globulin	29.232	27.830	-0.59	Too Few	-4.8	Too Few	95	Too Few	
Free T3	16.848	16.860	0.01	Too Few	0.1	Too Few	120	Too Few	
Total T3	4.150	5.070	<u>2.41</u>	Too Few	<u>22.2</u>	Too Few	<u>33</u>	Too Few	▲
Free T4	45.788	45.580	-0.06	Too Few	-0.5	Too Few	120	Too Few	
Total T4	114.134	113.800	-0.03	Too Few	-0.3	Too Few	120	Too Few	
Free Testosterone (Pilot)	14.816	17.360	0.63	Too Few	17.2	Too Few	N/A	N/A	
Testosterone	4.656	4.790	0.24	Too Few	2.9	Too Few	120	Too Few	
Thyroglobulin	27.945	27.940	-0.00	Too Few	-0.0	Too Few	120	Too Few	
TSH	7.684	7.260	-0.73	Too Few	-5.5	Too Few	85	Too Few	
Valproic acid	80.927	84.600	0.57	Too Few	4.5	Too Few	96	Too Few	
Vitamin B12	551.423	547.700	-0.06	Too Few	-0.7	Too Few	120	Too Few	
25-OH-Vitamin D	23.937	14.500	<u>-2.15</u>	Too Few	<u>-39.4</u>	Too Few	<u>38</u>	Too Few	▲

ORMSDI N/A

ORM%DEV N/A

ORMTS N/A

END OF REPORT