

Dena Laboratory

# MONTHLY IMMUNOASSAY

CYCLE 15 SAMPLE 7

## 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: 03/08/2017

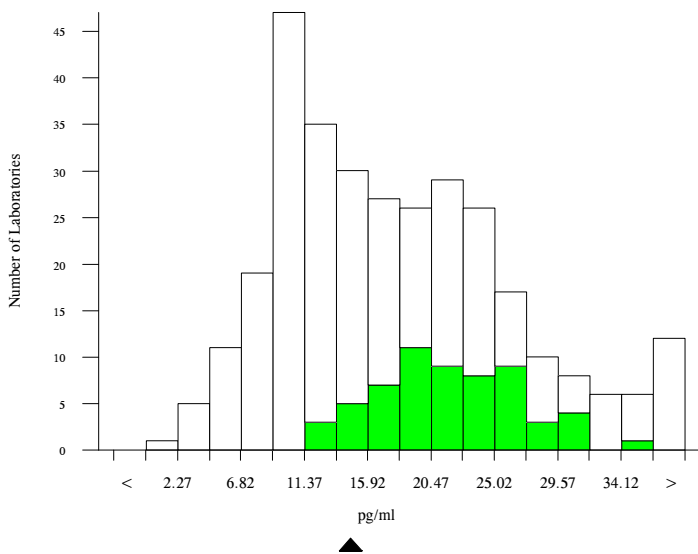
Randox Laboratories Limited  
55 Diamond Road  
CRUMLIN BT29 4QY  
Tel: +44 (0)28 9445 4399  
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# ACTH, pg/ml

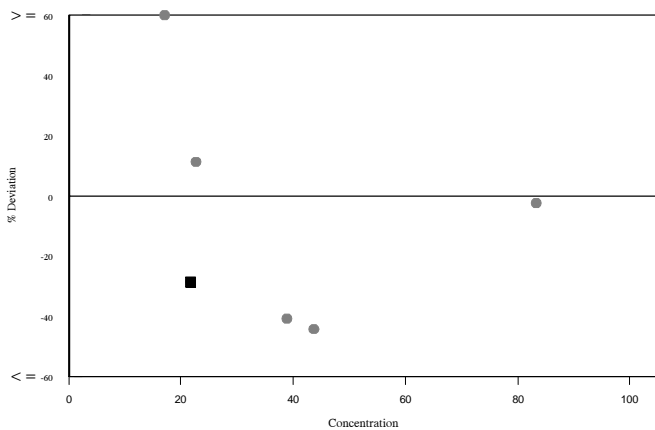
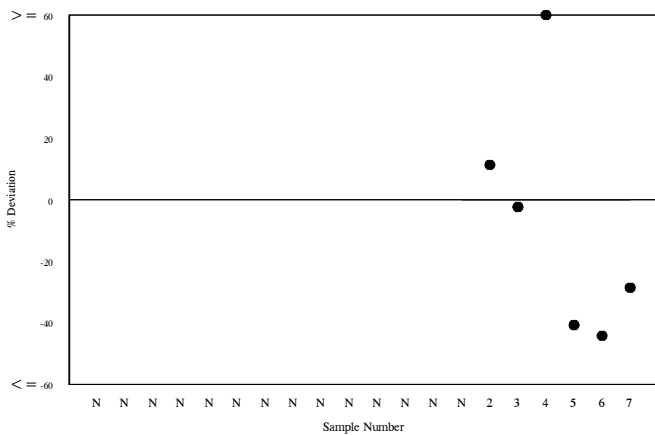
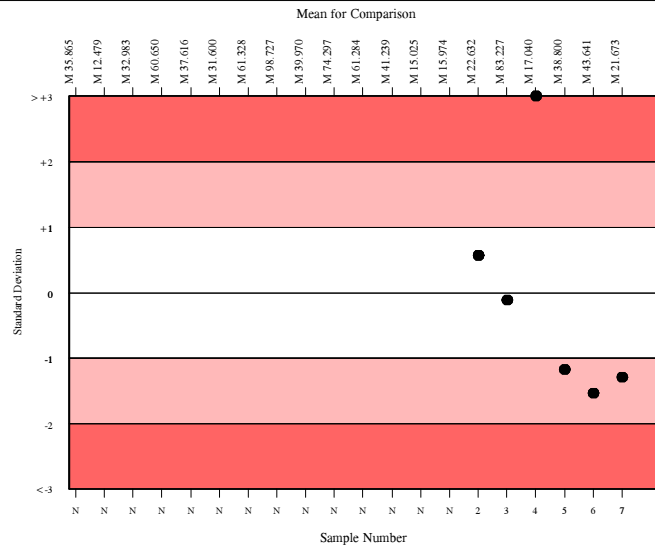
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	288	16.385	40.7	0.49	6.67	35
Roche Cobas 4000/e411	59	21.673	22.1	0.78	4.79	1

▲ Your Result	15.480	SDI	-1.29
		RMSDI	Too Few
■ Mean for Comparison	21.673	TS	N/A
		RMTS	N/A
		%DEV	-28.6
		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>
Siemens/DPC Immulite 2000/2500	86	10.623	19.5	0.28
Roche Cobas 6000/8000	70	21.686	17.3	0.56
Roche Cobas 4000/e411	59	21.673	22.1	0.78
Siemens/DPC Immulite 1000	19	13.610	17.9	0.70
Diasorin Liaison	20	10.647	47.9	1.43
SNIBE Maglumi analysers	14	34.589	4.1	0.47
Roche Elecsys	7	24.037	25.0	2.84
TOSOH	6	6.515	37.3	1.24
CIS, IRMA	5	76.254	25.1	10.68
Roche Modular E170	4	17.610	17.3	1.90

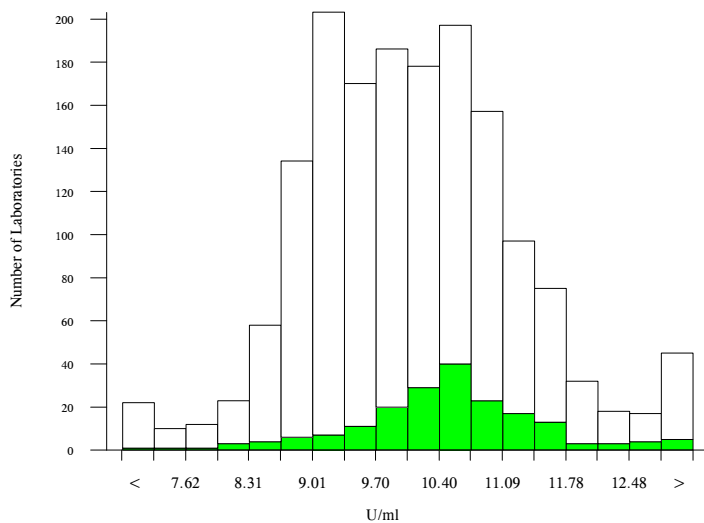


# AFP, U/ml

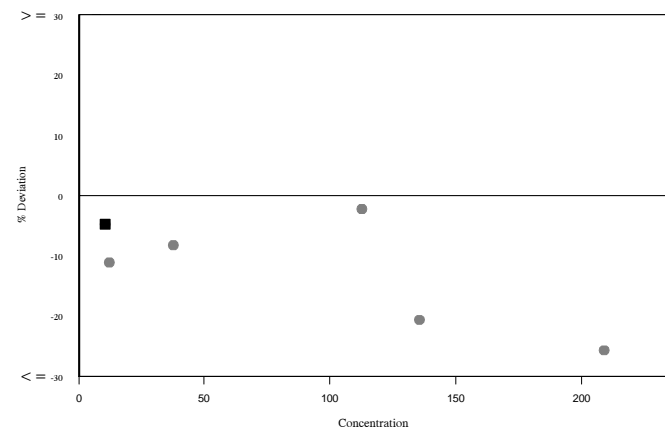
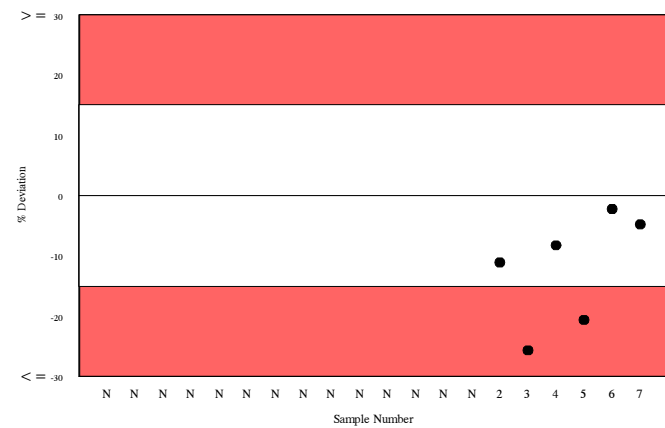
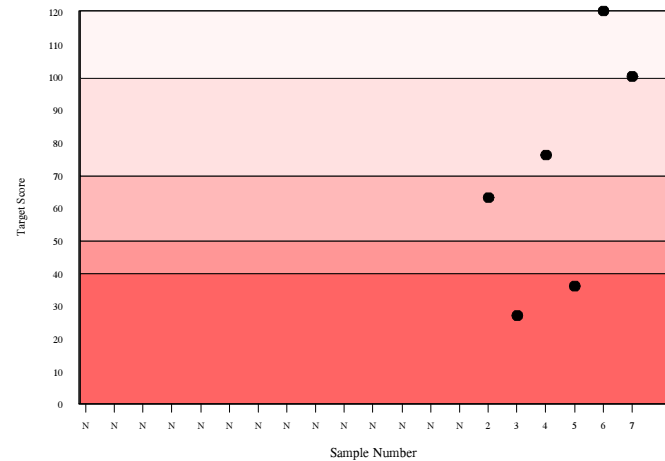
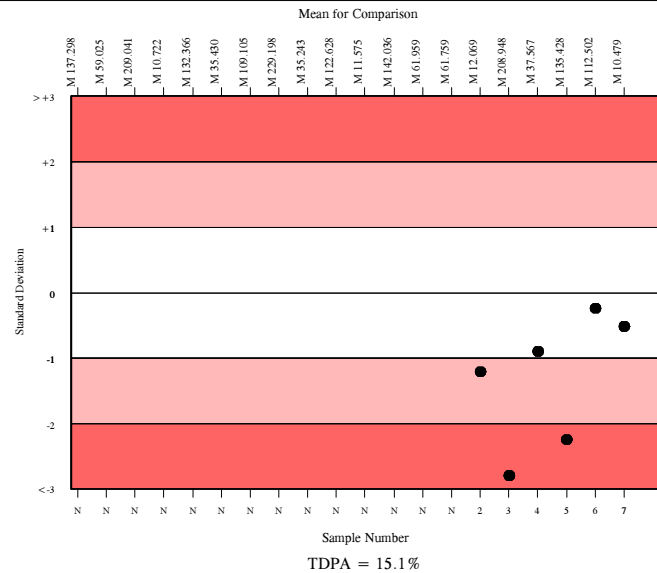
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	1521	10.053	9.2	0.03	0.92	113
Roche Cobas 4000/e411	174	10.479	7.3	0.07	0.96	17

▲ Your Result	9.980	SDI	-0.52
		RMSDI	Too Few
■ Mean for Comparison	10.479	TS	100
		RMTS	Too Few
		%DEV	-4.8
		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	10.571	5.6	0.04
Abbott Architect	298	9.182	3.8	0.03
Roche Cobas 4000/e411	174	10.479	7.3	0.07
Siemens Centaur XP/XPT/Classic	150	10.769	8.4	0.09
Beckman DxI 600 / 800	141	9.683	7.4	0.08
Siemens/DPC Immulite 2000/2500	56	9.225	5.9	0.09
bioMerieux, Vidas/Mini Vidas	51	9.473	7.9	0.13
Roche Elecsys	44	10.365	8.0	0.16
Beckman Access/LXi725	40	9.629	9.8	0.19
Ortho Vitros 3600/5600/ECi	31	10.408	8.1	0.19
DiaSorin, Liaison	26	11.218	7.2	0.20
SNIBE Maglumi analysers	24	10.805	8.0	0.22
Tosoh	18	9.606	7.5	0.21
Siemens Centaur CP	19	10.059	9.4	0.27
Roche Modular E170	19	10.715	4.2	0.13
CIS, IRMA	14	16.524	5.2	0.29
Siemens/DPC Immulite 1000	14	9.969	14.8	0.49
Fujirebio Lumipulse G Series	9	9.895	5.7	0.23
Siemens Dimension	6	10.360	3.6	0.19
ELISA	2	7.716	24.3	1.66
Brahms Kryptor	2	10.456	10.1	0.93



**RIQAS**

# Aldosterone, pg/ml

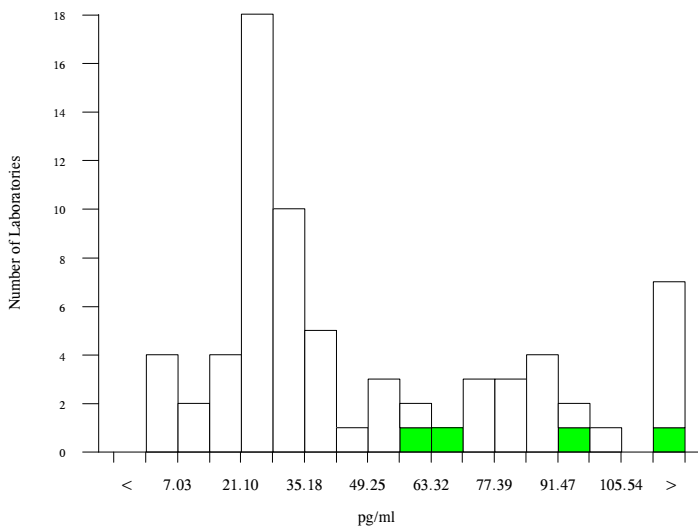
- All Methods
- DiaMetra ELISA

	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	57	40.761	58.7	3.96	10.35a	17
DiaMetra ELISA	3	73.455	26.8	14.21	22.34a	1

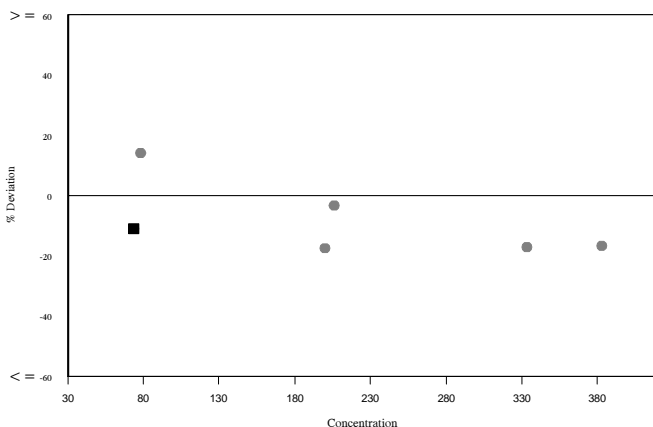
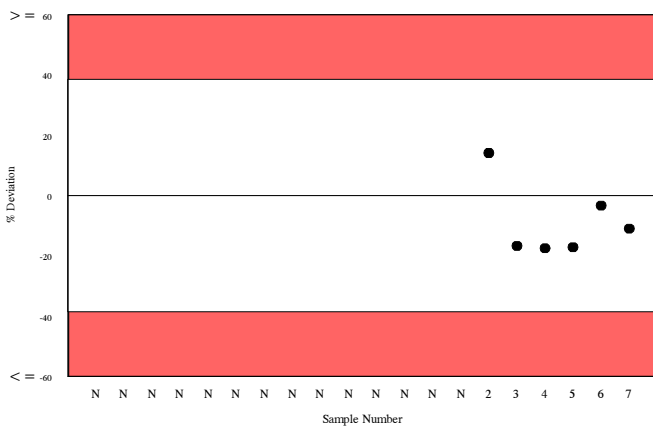
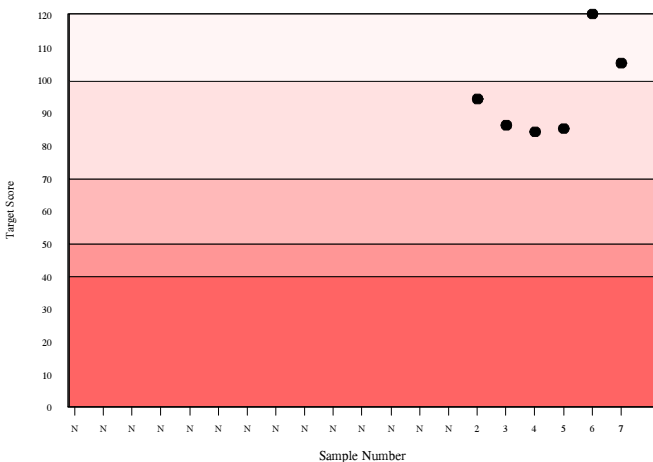
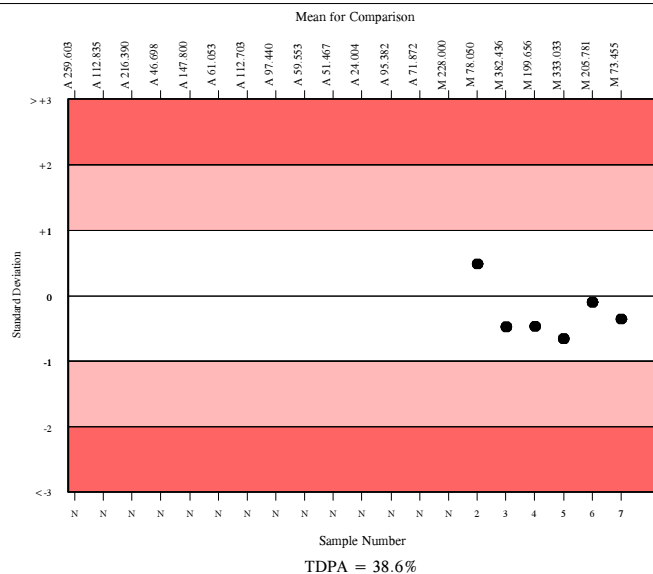
<span style="color: green;">▲</span> Your Result	65.400	SDI	-0.36
		RMSDI	Too Few
<span style="color: green;">■</span> Mean for Comparison	73.455	TS	105
		RMTS	Too Few
		%DEV	-11.0
		RM%DEV	Too Few

**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	22	28.827	12.9	0.99
DRG, ELISA	7	58.071	54.9	15.06
Immunotech RIA	5	53.566	67.8	20.29
ELISA	3	51.020	18.8	6.93
IDS iSYS	3	92.717	23.0	15.39
CIS, RIA	1	5.610	0.0	0.00
DiaMetra ELISA	3	73.455	26.8	14.21
ZenTech RIA	4	43.803	21.8	5.98
AutoBio CLIA	2	132.970	11.7	13.79
Diasorin, RIA	2	21.700	30.6	5.87
IBL International ELISA	1	71.800	0.0	0.00

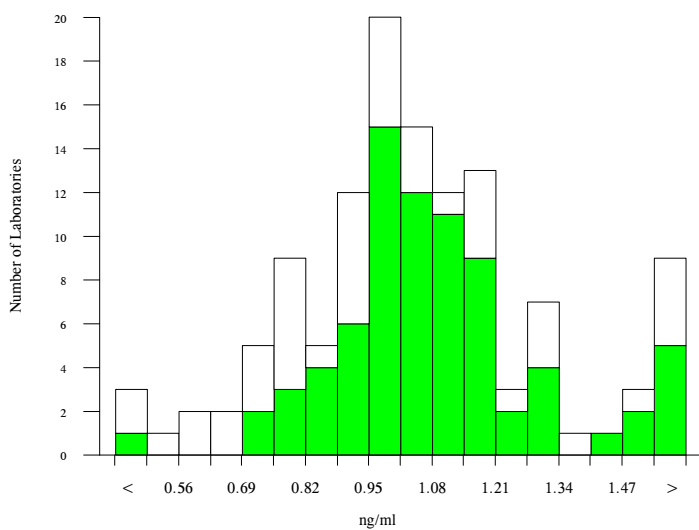


# Androstenedione, ng/ml

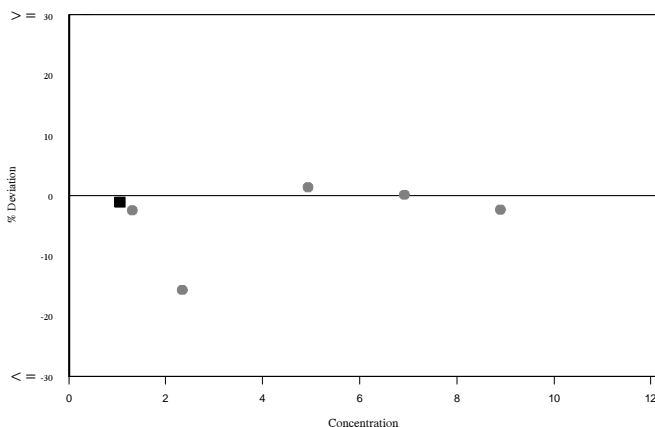
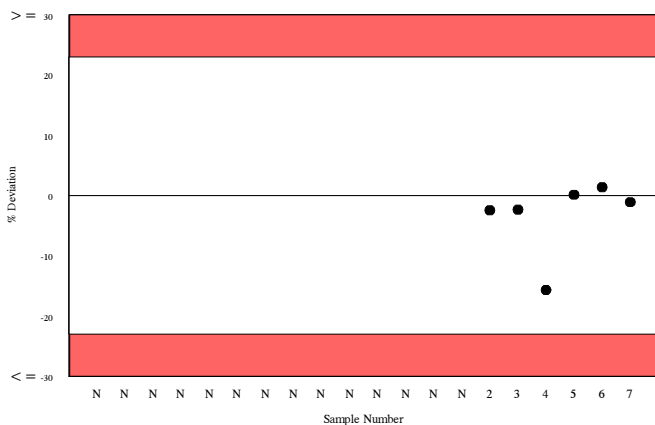
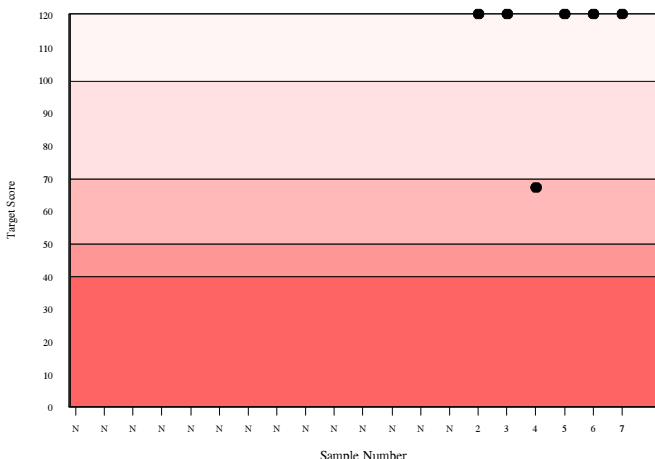
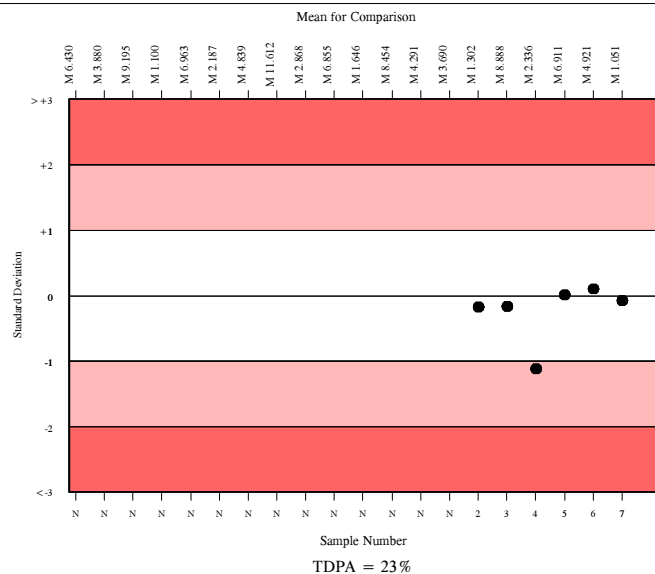
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	106	1.017	17.0	0.02	0.14	18
Siemens/DPC Immulite 2000	68	1.051	13.3	0.02	0.15	9

▲ Your Result	1.040	SDI	-0.08
		RMSDI	Too Few
■ Mean for Comparison	1.051	TS	120
		RMTS	Too Few
		%DEV	-1.1
		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	68	1.051	13.3	0.02
Siemens/DPC Immulite 1000	15	0.874	14.3	0.04
Beckman Coulter Active RIA	8	0.814	22.7	0.08
DIAsource, RIA	4	1.179	11.7	0.09
DRG, ELISA	4	1.198	20.5	0.15
DiaMetra ELISA	2	0.880	40.2	0.31
Novatec ELISA	2	1.395	10.6	0.13
IBL International ELISA	2	1.500	28.3	0.37
Labor Diagnostike Nord ELISA	2	1.125	28.3	0.28

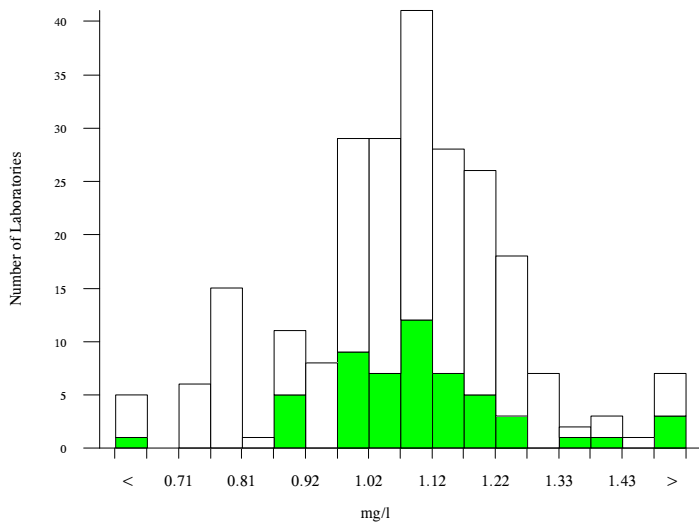


# Beta-2-Microglobulin, mg/l

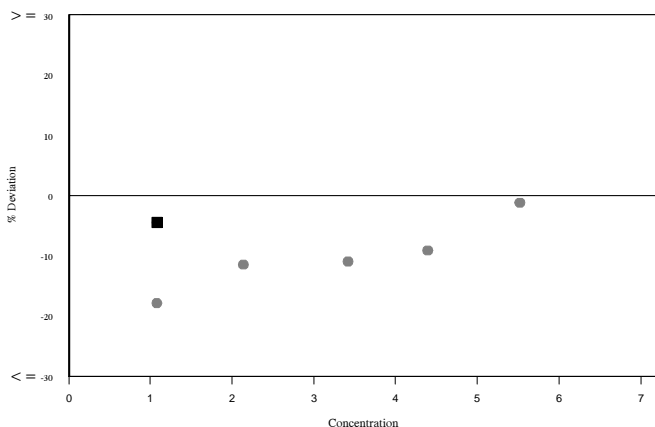
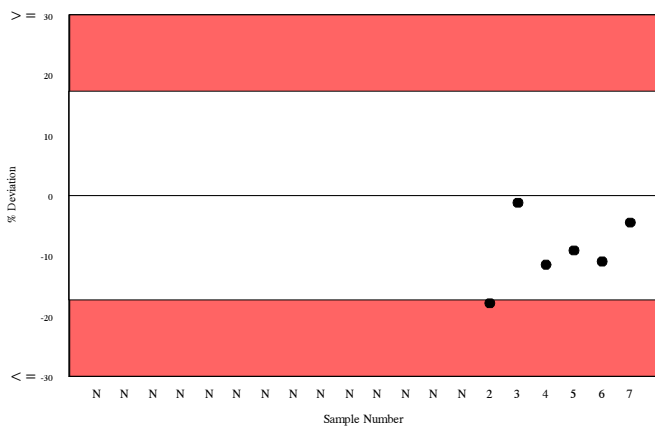
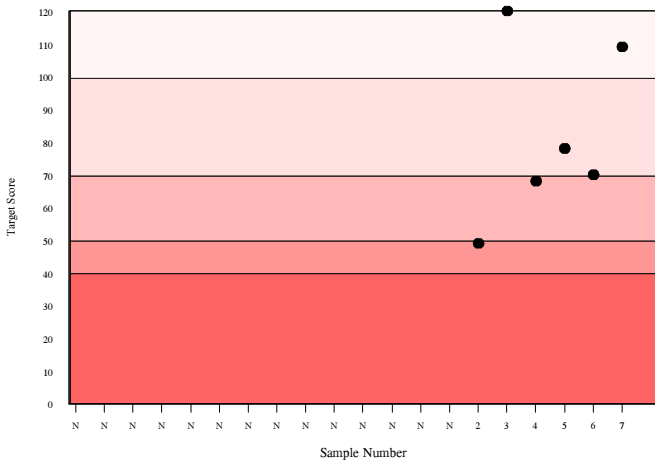
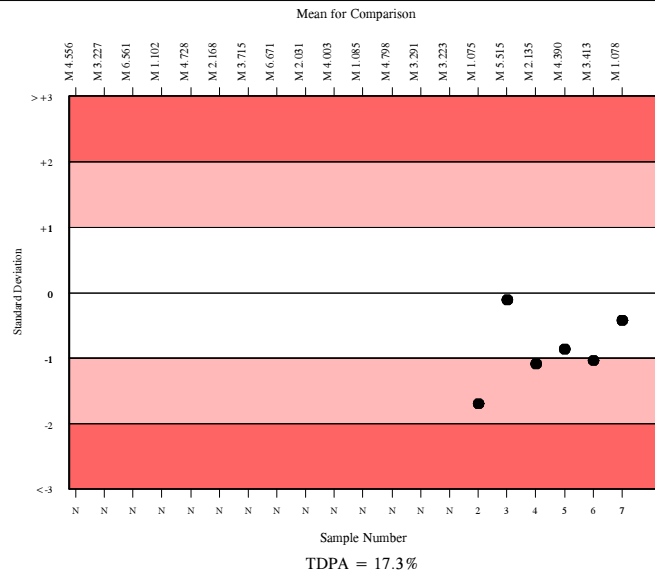
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	219	1.075	12.7	0.01	0.11	18
Siemens/DPC Immulite 2000/2500	48	1.078	9.2	0.02	0.11	6

▲ Your Result	1.030	SDI	-0.42
		RMSDI	Too Few
■ Mean for Comparison	1.078	TS	109
		RMTS	Too Few
		%DEV	-4.5
		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	48	1.078	9.2	0.02
Roche Cobas 6000/8000	37	1.181	6.2	0.02
bioMerieux, VIDAS	28	1.077	6.9	0.02
Abbott Architect	21	1.104	3.6	0.01
SNIBE Maglumi analysers	10	0.774	1.7	0.01
Siemens/Behring Nephelometer	11	1.083	5.9	0.02
Diasorin Liaison	11	0.813	10.8	0.03
Beckman AU400/600/640/2700/5400	7	1.069	9.1	0.05
Siemens/DPC Immulite 1000	5	1.170	7.3	0.05
Roche Tinaquant	5	1.170	12.0	0.08
Fujirebio Lumipulse G Series	4	0.925	10.9	0.06
Roche Cobas 4000/c311	4	1.210	11.8	0.09
Beckman Immage	2	1.115	14.6	0.14
Siemens Advia 1200/1650/1800/2400	3	0.870	8.0	0.05
Siemens Dimension	3	1.078	9.9	0.08
Roche Modular P	3	1.173	8.5	0.07
TOSOH	2	0.930	25.8	0.21
Biolatex Immunoassay	2	0.940	9.0	0.07
DakoCytomation PET kit	2	1.285	12.7	0.14
Immunotech RIA	2	1.245	6.2	0.07

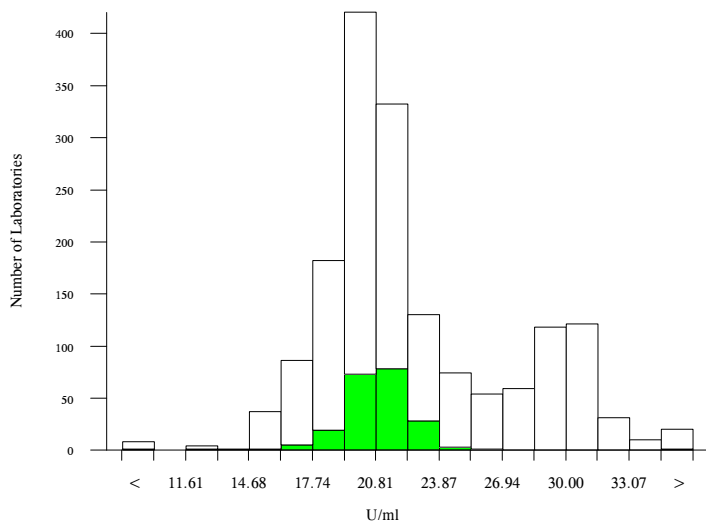


# CA 125, U/ml

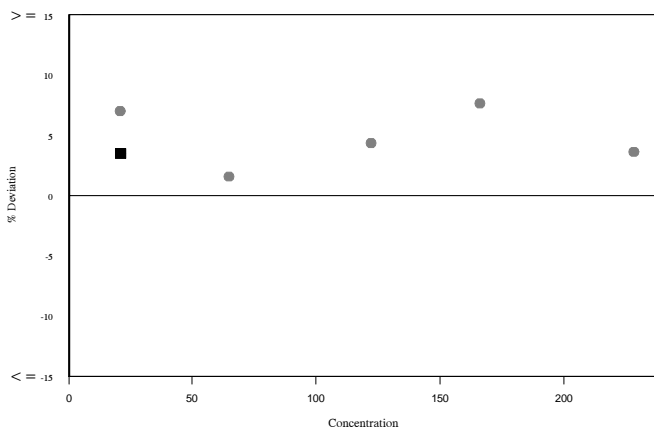
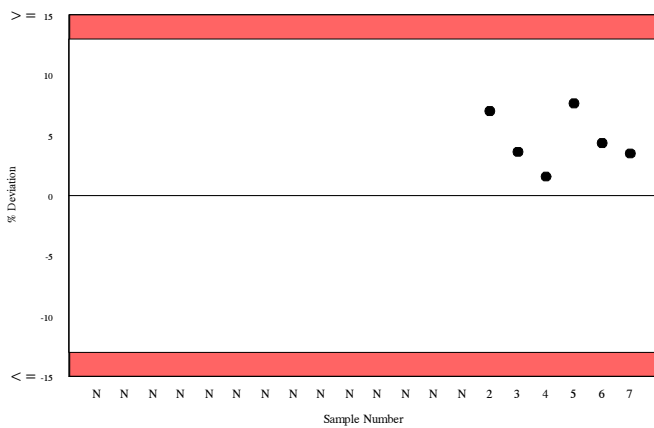
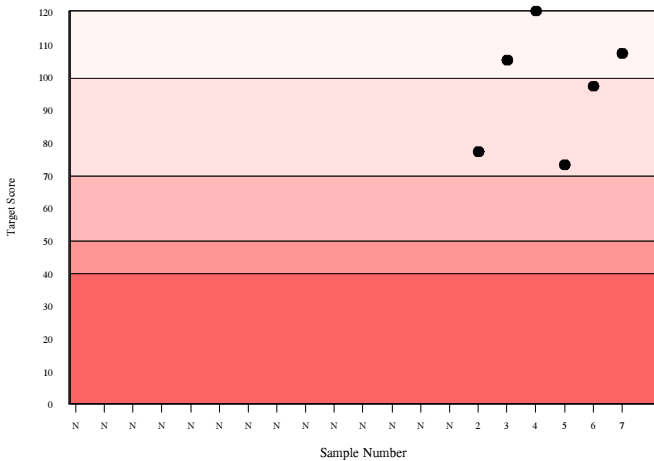
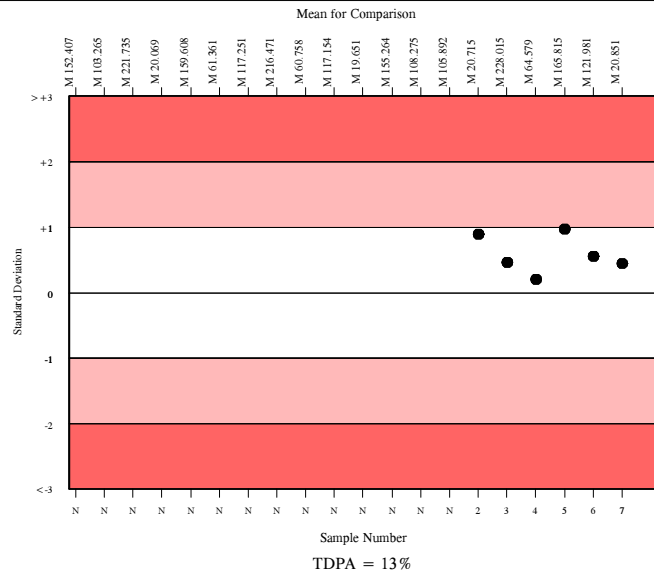
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	1617	22.345	18.3	0.13	1.77	70
Roche Cobas 4000/e411	196	20.851	5.9	0.11	1.65	15

▲ Your Result	21.580	SDI	0.44
		RMSDI	Too Few
■ Mean for Comparison	20.851	TS	107
		RMTS	Too Few
		%DEV	3.5
		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	20.560	4.5	0.06
Abbott Architect	307	29.760	4.7	0.10
Roche Cobas 4000/e411	196	20.851	5.9	0.11
Beckman DxI 600 / 800	132	17.417	5.8	0.11
Centaur XP/XPT/Classic, CA125 II Kit	124	23.039	7.4	0.19
bioMerieux, VIDAS	84	20.360	5.1	0.14
Roche Elecsys	45	20.480	5.8	0.22
Siemens Centaur XP/XPT/Classic OV Kit	43	23.279	6.3	0.28
Ortho Vitros 3600/5600/ECi	37	19.346	5.0	0.20
Siemens/DPC Immulite 2000/2500	37	20.181	7.8	0.32
Beckman Access/LXi725	32	17.871	9.1	0.36
Diasorin Liaison	31	26.200	16.0	0.94
SNIBE Maglumi analysers	22	26.053	6.3	0.44
Siemens Centaur CP CA125 II Kit	23	23.740	6.8	0.42
TOSOH	18	33.670	5.2	0.51
Siemens/DPC Immulite 1000	19	19.627	6.7	0.38
Roche Modular E170	19	20.677	3.4	0.20
Fujirebio Lumipulse G Series	14	18.593	6.5	0.40
CIS, IRMA	8	21.592	1.7	0.16
Siemens Dimension	5	34.680	7.3	1.42
Brahms Kryptor	2	8.685	10.7	0.82

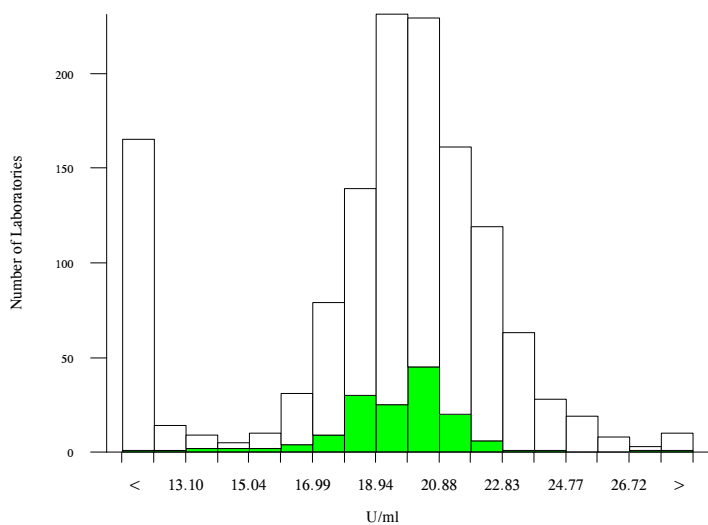


# CA 15-3, U/ml

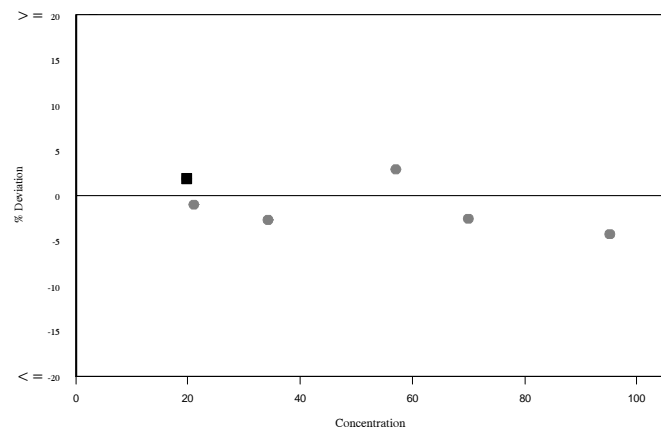
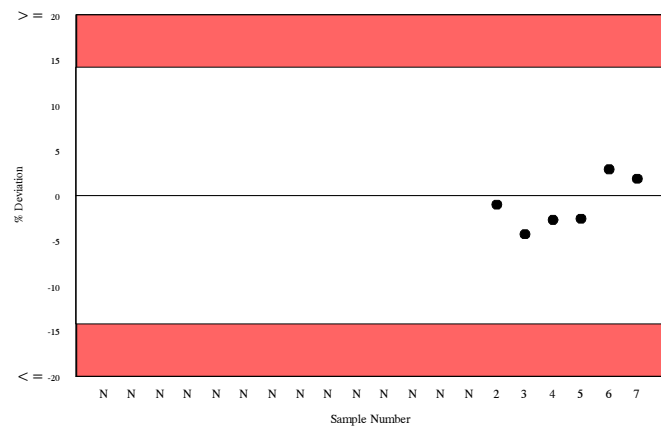
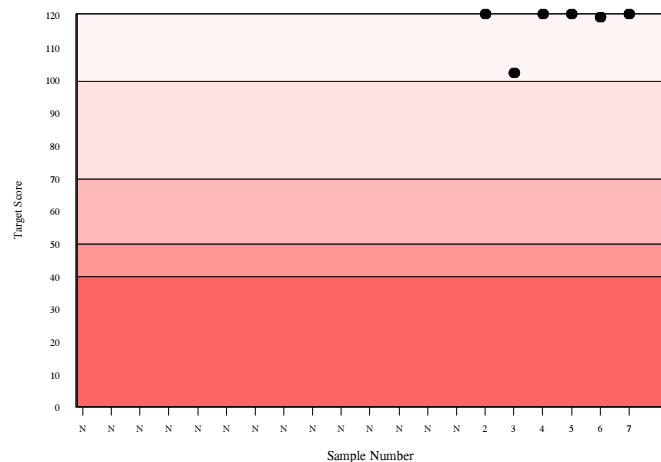
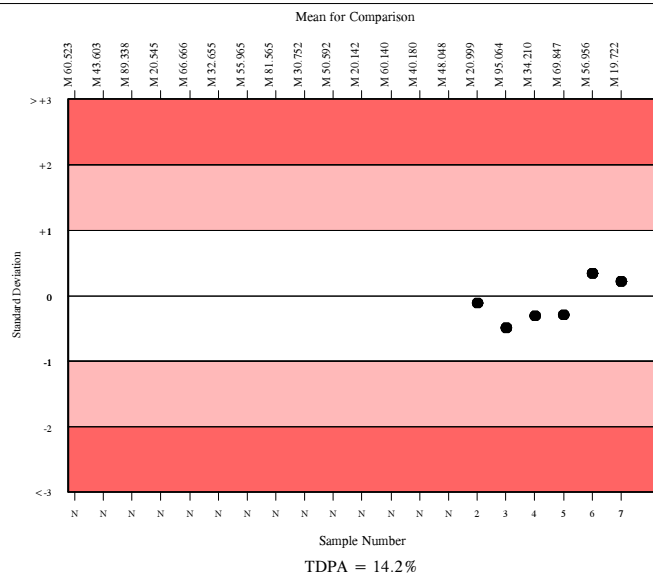
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	1177	19.914	13.0	0.09	1.72	146
Roche Cobas 4000/e411	138	19.722	6.7	0.14	1.70	13

▲ Your Result	20.090	SDI	0.22
		RMSDI	Too Few
■ Mean for Comparison	19.722	TS	120
		RMTS	Too Few
		%DEV	1.9
		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	284	19.980	4.6	0.07
Abbott Architect	238	21.837	6.1	0.11
Siemens Centaur XP/XPT/Classic	143	19.243	7.6	0.15
Roche Cobas 4000/e411	138	19.722	6.7	0.14
Beckman DxI 600 / 800	121	10.350	8.5	0.10
BioMerieux VIDAS	57	19.231	4.9	0.15
Roche Elecsys	33	19.544	4.6	0.20
Siemens/DPC Immulite 2000/2500	28	23.077	11.7	0.64
Diasorin Liaison	25	18.542	15.8	0.73
Beckman Access/LXi725	23	10.659	5.4	0.15
SNIBE Maglumi analysers	20	22.203	3.0	0.19
TOSOH	18	21.082	12.1	0.75
Ortho Vitros 3600/5600/ECi	18	17.527	4.8	0.25
Roche Modular E170	16	19.734	6.4	0.39
Fujirebio Lumipulse G Series	12	23.918	5.5	0.47
Siemens Centaur CP	10	18.167	9.9	0.71
CIS, IRMA	9	12.235	6.8	0.35
Siemens/DPC Immulite 1000	9	25.621	11.6	1.24
Siemens Dimension	4	17.638	0.7	0.08
Brahms Kryptor	3	19.577	6.5	0.91
ELISA	2	7.393	72.8	4.76



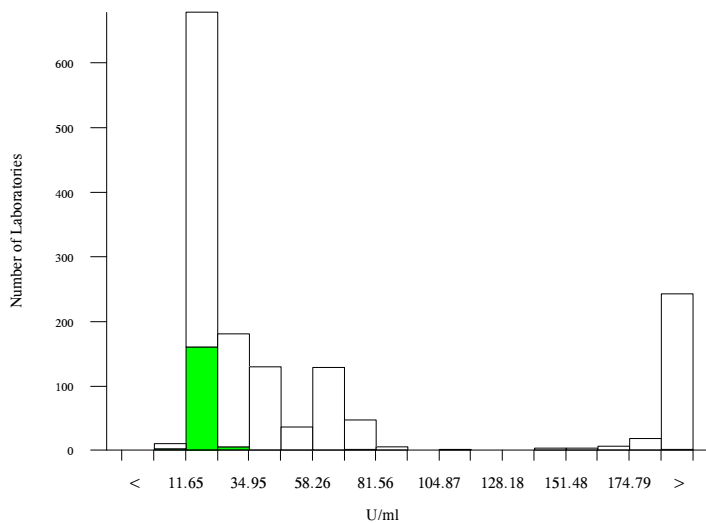


# CA 19-9, U/ml

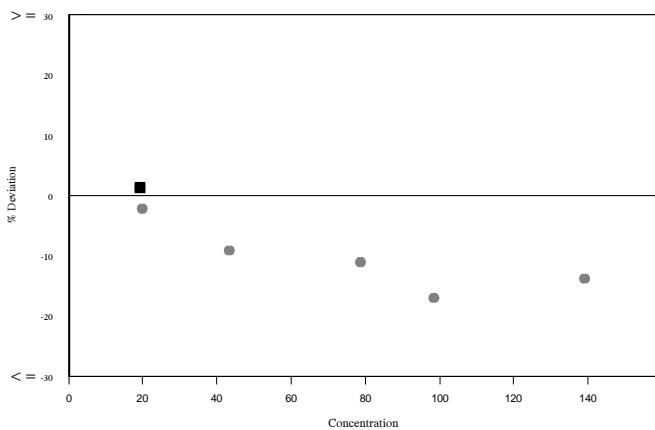
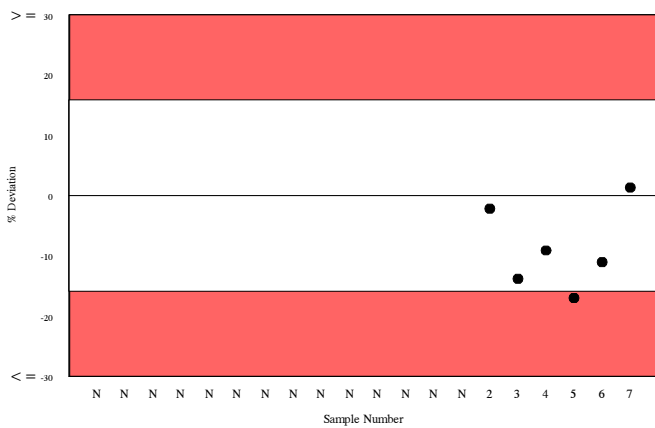
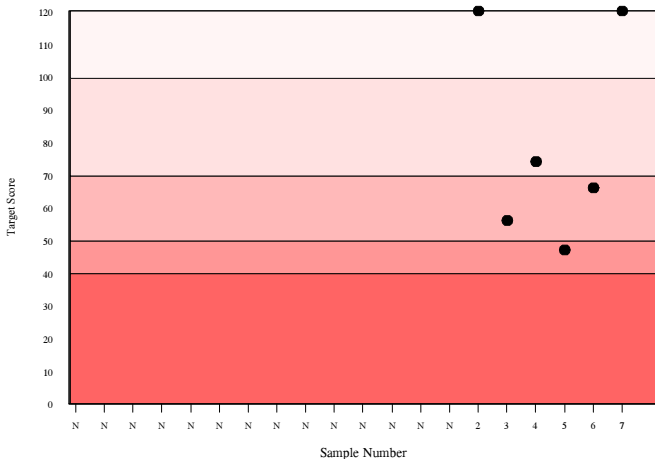
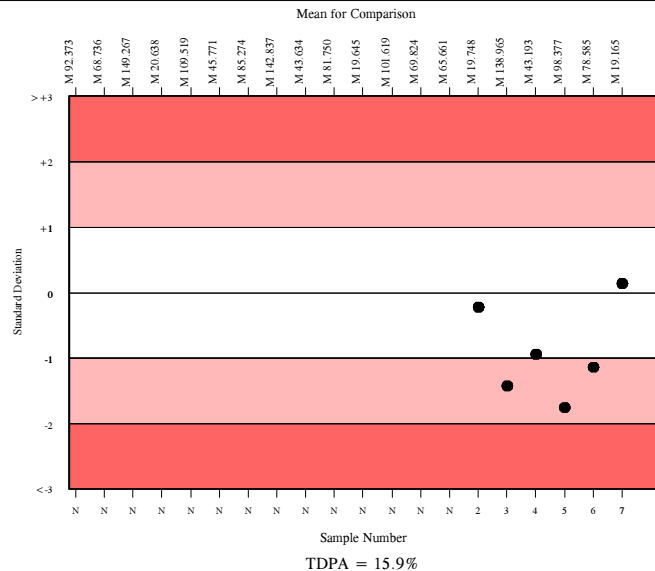
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	1324	43.505	109.5	1.64	4.51a	162
Roche Cobas 4000/e411	151	19.165	8.8	0.17	1.85	18

▲ Your Result	19.420	SDI	0.14
		RMSDI	Too Few
■ Mean for Comparison	19.165	TS	120
		RMTS	Too Few
		%DEV	1.3
		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	316	18.146	5.4	0.07
Abbott Architect	172	208.145	7.3	1.44
Roche Cobas 4000/e411	151	19.165	8.8	0.17
Siemens Centaur XP/XPT/Classic	157	65.608	6.9	0.45
Beckman DxI 600 / 800	129	24.817	6.5	0.18
Abbott Architect XR/ XR2 kit	79	210.464	6.1	1.81
bioMerieux, VIDAS	78	41.578	5.6	0.33
Roche Elecsys	39	18.970	9.4	0.36
Siemens/DPC Immulite 2000/2500	32	22.508	10.0	0.50
Diasorin Liaison	26	43.240	10.3	1.09
SNIBE Maglumi analysers	23	13.890	15.7	0.57
Ortho Vitros 3600/5600/ECi	24	45.617	5.2	0.61
Beckman Access/LXi725	21	26.350	5.9	0.42
Roche Modular E170	18	17.663	4.4	0.23
TOSOH	17	15.517	6.9	0.32
Siemens Centaur CP	17	72.422	8.4	1.84
CIS, IRMA	13	27.528	10.0	0.96
Fujirebio Lumipulse G Series	11	37.618	2.8	0.40
Siemens/DPC Immulite 1000	9	24.644	13.5	1.38
Siemens Dimension	6	36.333	4.9	0.90
Brahms Kryptor	2	19.980	0.1	0.02

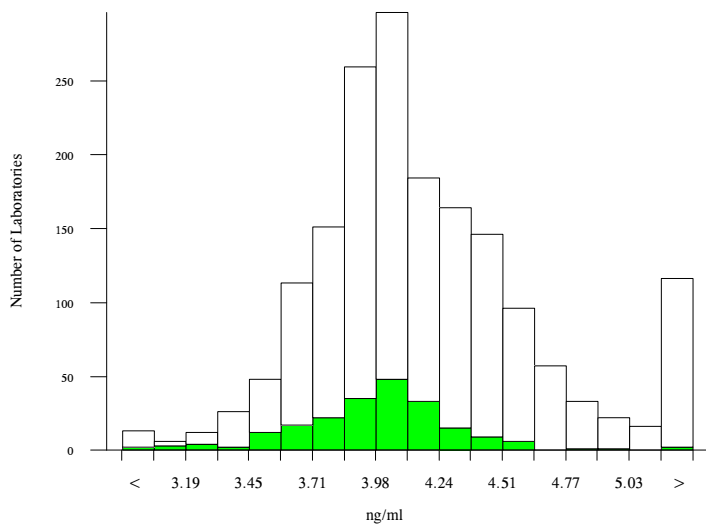


# CEA, ng/ml

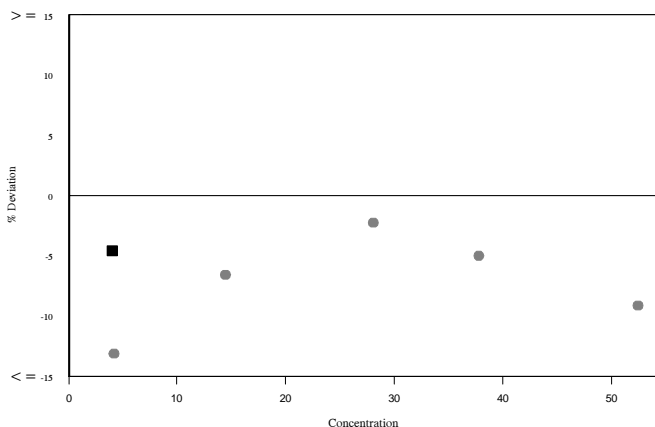
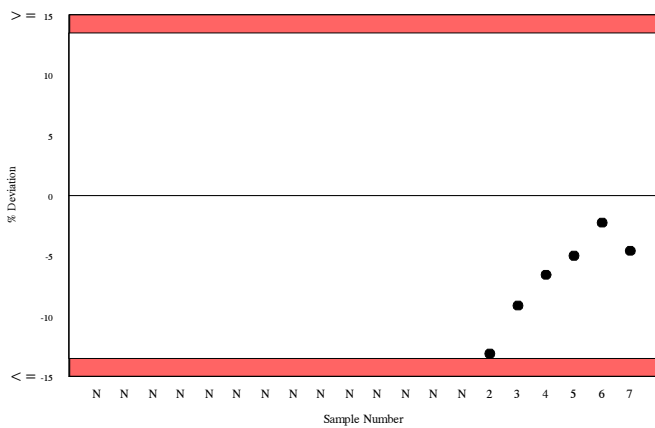
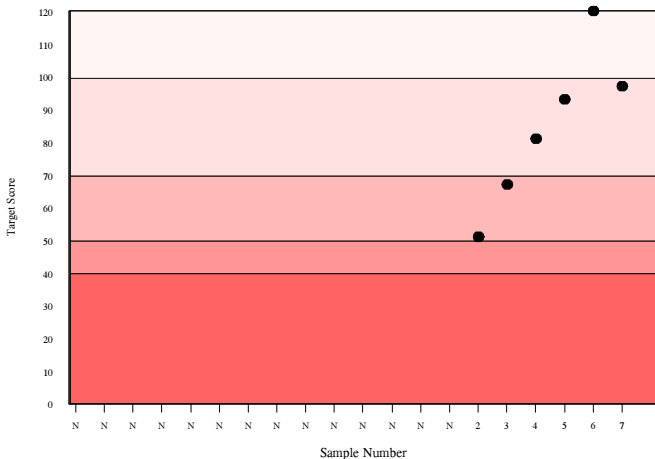
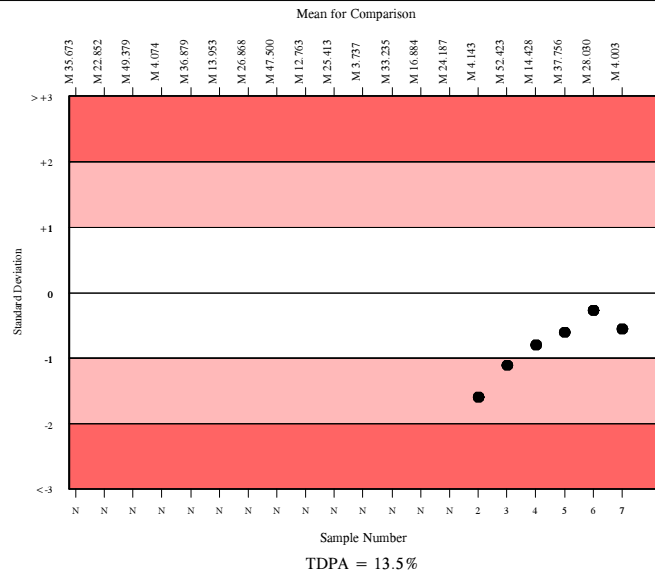
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	1620	4.114	8.6	0.01	0.34	138
Roche Cobas 4000/e411	197	4.003	6.2	0.02	0.33	15

▲ Your Result	3.820	SDI	-0.56
		RMSDI	Too Few
■ Mean for Comparison	4.003	TS	97
		RMTS	Too Few
		%DEV	-4.6
		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	364	3.932	3.9	0.01
Abbott Architect	323	4.399	5.2	0.02
Roche Cobas 4000/e411	197	4.003	6.2	0.02
Siemens Centaur XP/XPT/Classic	167	4.191	7.9	0.03
Beckman DxI 600 / 800	147	3.996	6.5	0.03
bioMerieux, VIDAS	59	3.786	5.5	0.03
Siemens/DPC Immulite 2000/2500	50	5.317	8.2	0.08
Roche Elecsys	43	3.992	5.8	0.04
Beckman Access/LXi725	40	4.057	7.8	0.06
Ortho Vitros 3600/5600/ECi	34	4.416	5.5	0.05
Diasorin Liaison	34	4.032	9.2	0.08
Tosoh	29	6.076	8.5	0.12
SNIBE Maglumi analysers	24	4.458	3.4	0.04
Roche Modular E170	24	3.933	4.0	0.04
Siemens Centaur CP	21	4.293	9.6	0.11
Siemens/DPC Immulite 1000	17	5.287	11.1	0.18
CIS, RIA Coated tube	18	4.098	9.5	0.11
Fujirebio Lumipulse G Series	15	6.027	8.0	0.16
Siemens Dimension	7	4.096	3.3	0.06
Abbott AxSYM	2	4.360	5.2	0.20
ELISA	2	5.273	0.7	0.03

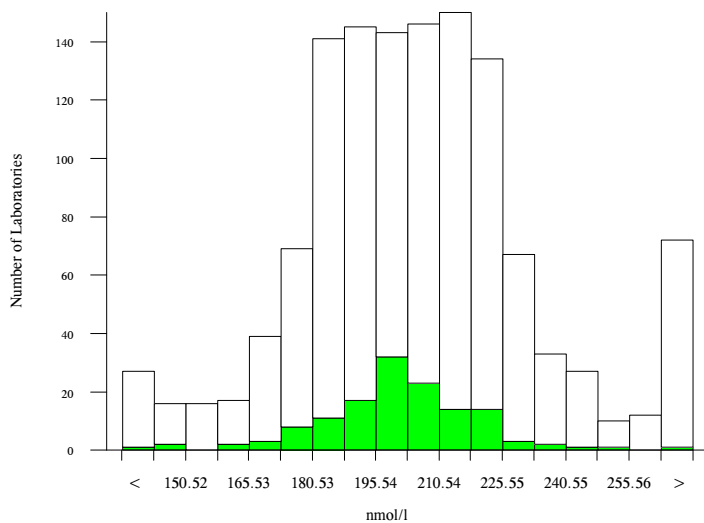


# Cortisol, nmol/l

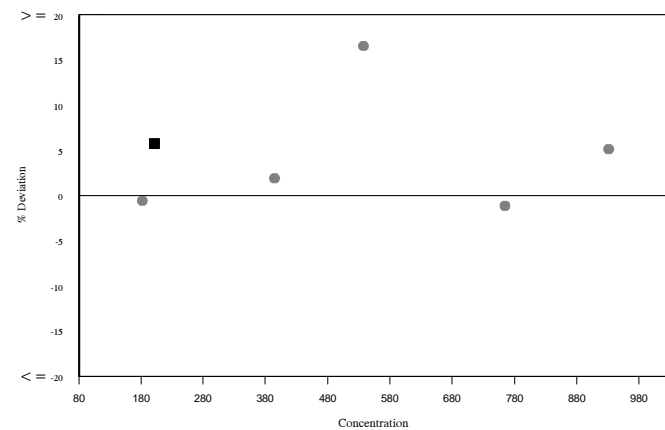
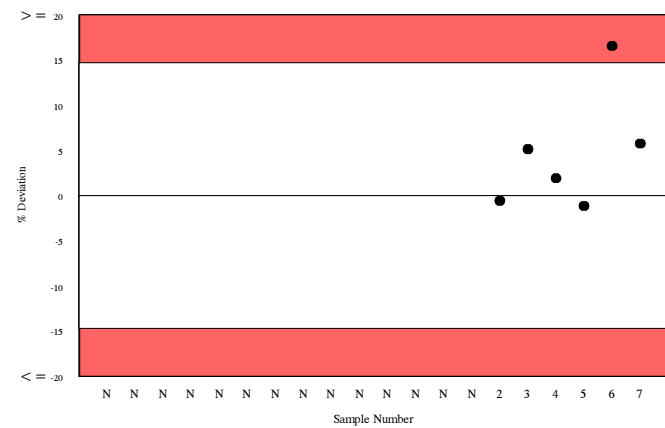
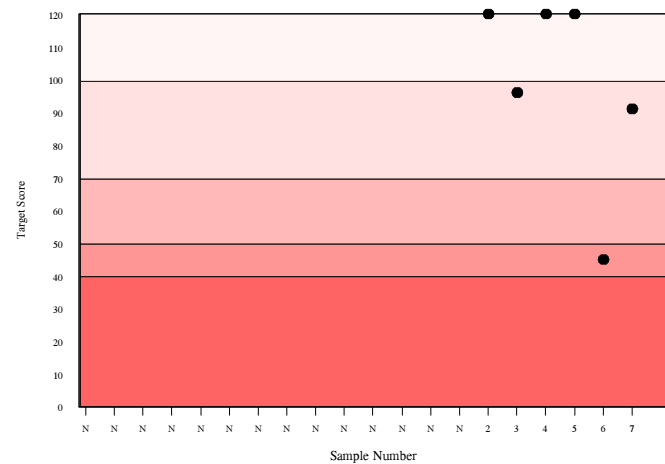
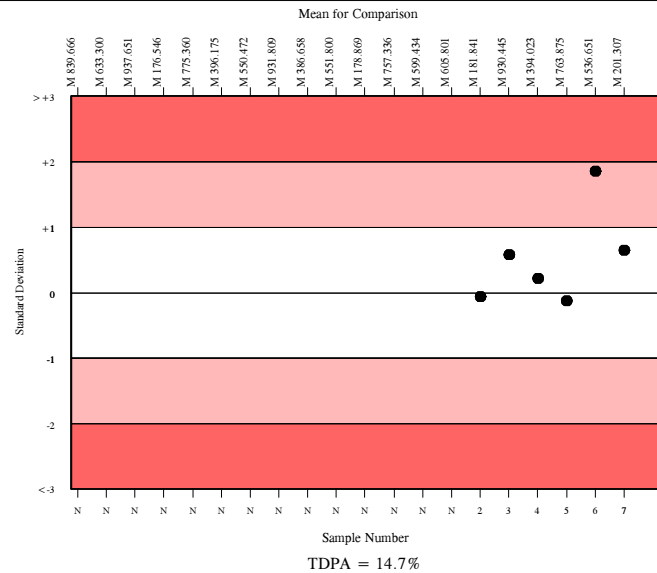
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	1138	203.045	9.9	0.74	18.15	127
Roche Cobas 4000/e411	122	201.307	6.5	1.47	17.99	13

▲ Your Result	212.900	SDI	0.64
		RMSDI	Too Few
■ Mean for Comparison	201.307	TS	91
		RMTS	Too Few
		%DEV	5.8
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation	22.8%
Acceptable limits of performance for RIQAS	14.70%



Method	N	Mean	CV%	U <sub>m</sub>
Abbott Architect	220	213.793	5.6	1.01
Roche Cobas 6000/8000	180	191.217	6.0	1.06
Roche Cobas 4000/e411	122	201.307	6.5	1.47
Siemens Centaur XP/XPT/Classic	115	223.267	7.8	2.02
Roche Cobas 6000/8000 Gen II	108	185.262	4.0	0.90
Beckman DxI 600 / 800	99	213.687	5.9	1.58
Siemens/DPC Immulite 2000/2500	54	216.077	9.3	3.40
Roche Cobas 4000/e411 Gen II	28	198.380	5.6	2.62
Roche Elecsys	30	196.350	9.5	4.24
Ortho Vitros 3600/5600/ECi	28	163.982	5.6	2.19
bioMerieux, VIDAS	26	141.752	7.0	2.43
Beckman Access/LXi725	21	208.586	5.5	3.12
Siemens/DPC Immulite 1000	19	223.012	17.9	11.42
SNIBE Maglumi analysers	18	308.829	5.2	4.76
Tosoh	17	193.414	8.3	4.89
Diasorin Liaison	12	294.138	7.7	8.19
CIS, RIA	13	163.336	11.2	6.33
Roche Modular E170	9	186.216	2.3	1.78
Siemens Centaur CP	6	227.115	4.5	5.19
Roche Modular E170 Gen II	8	187.926	4.3	3.58
Abbott AxSYM	2	191.125	10.8	18.24

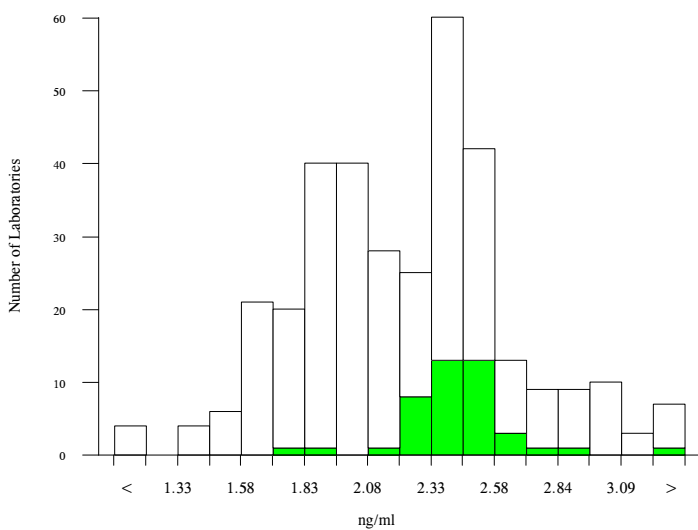


# C-Peptide, ng/ml

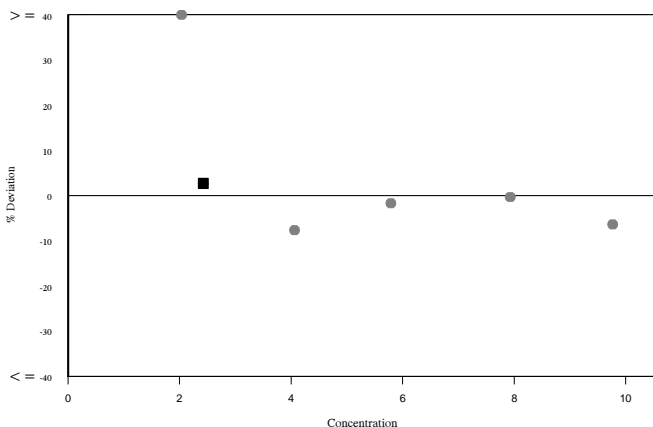
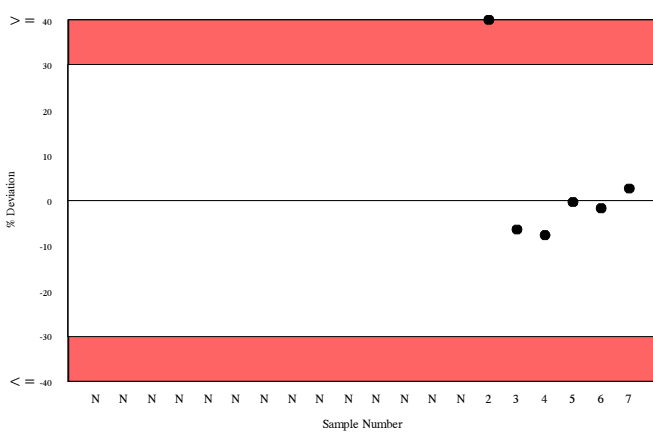
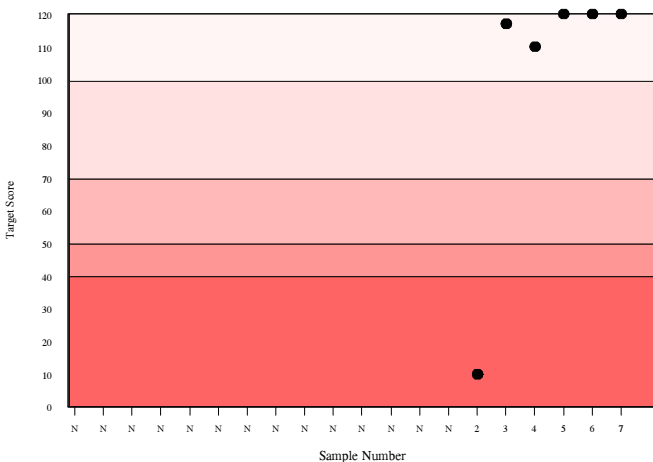
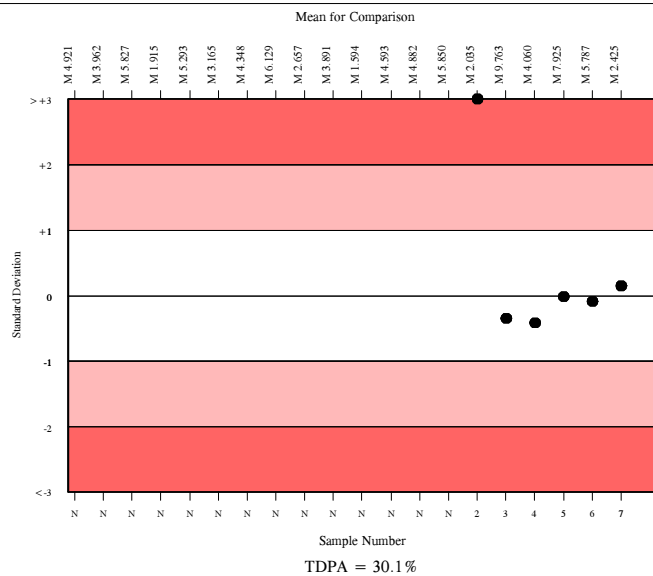
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	313	2.212	15.1	0.02	0.40	29
Roche Cobas 4000/e411	38	2.425	4.8	0.02	0.44	5

▲ Your Result	2.490	SDI	0.15
		RMSDI	Too Few
■ Mean for Comparison	2.425	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	30.10%



Method	N	Mean	CV%	U <sub>m</sub>
Roche Cobas 6000/8000	65	2.441	4.3	0.02
Abbott Architect	48	2.085	4.2	0.02
Siemens/DPC Immulite 2000/2500	48	1.889	6.9	0.02
Roche Cobas 4000/e411	38	2.425	4.8	0.02
Siemens Centaur XP/XPT/Classic	28	1.735	11.0	0.05
SNIBE Maglumi analysers	20	2.938	4.5	0.04
TOSOH	15	2.115	12.8	0.09
Diasorin Liaison	9	2.576	7.0	0.08
Roche Elecsys	9	2.497	7.1	0.07
Siemens/DPC Immulite 1000	7	1.757	6.8	0.06
Roche Modular E170	4	2.362	1.4	0.02
ELISA	3	1.740	8.9	0.11
DRG ELISA	2	1.234	65.1	0.71
DIAsource, RIA	2	1.590	9.8	0.14
Fujirebio Lumipulse G Series	2	2.220	1.3	0.02
Monobind Inc. ELISA / CLIA	2	1.594	18.3	0.26

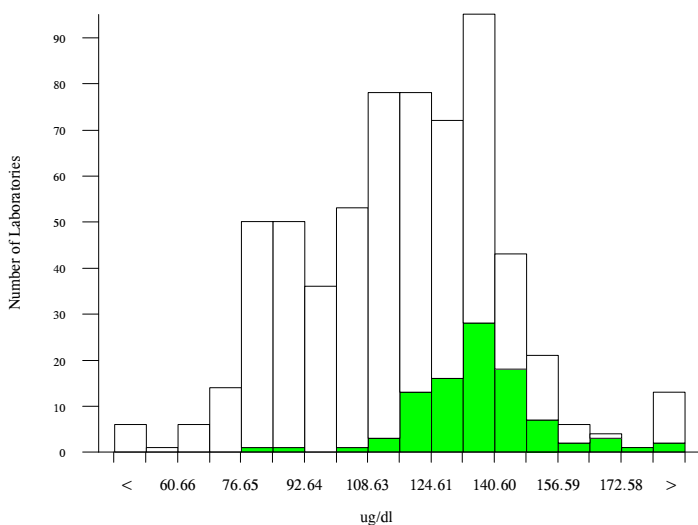


# DHEA-S, ug/dl

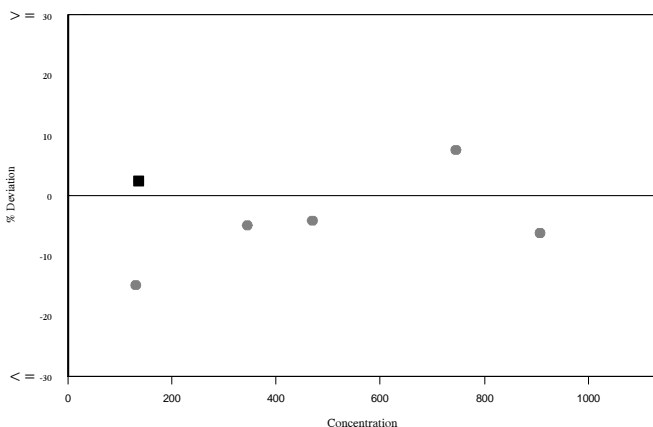
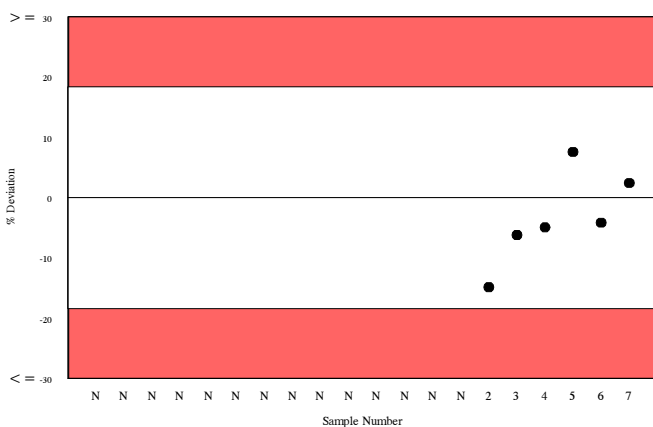
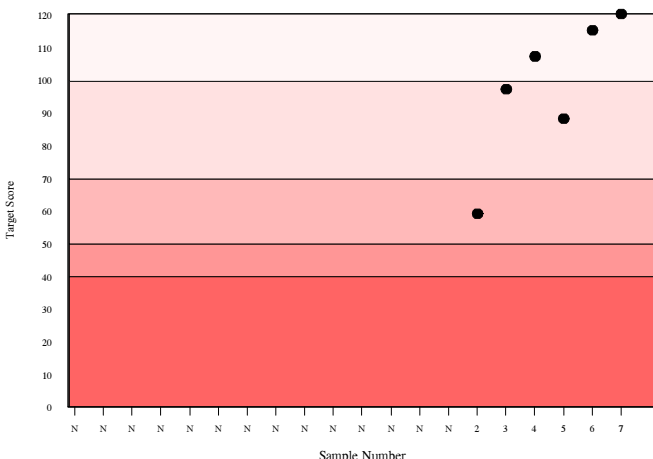
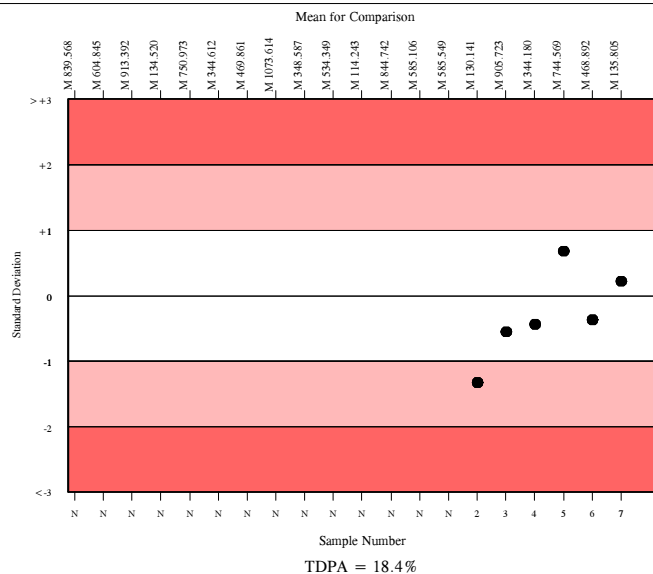
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	593	116.625	18.3	1.09	13.04	34
Roche Cobas 4000/e411	85	135.805	7.6	1.39	15.19	11

▲ Your Result	139.100	SDI	0.22
		RMSDI	Too Few
■ Mean for Comparison	135.805	TS	120
		RMTS	Too Few
		%DEV	2.4
		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	131	133.785	6.0	0.87
Abbott Architect	100	111.717	5.2	0.72
Roche Cobas 4000/e411	85	135.805	7.6	1.39
Siemens/DPC Immulite 2000/2500	65	84.865	8.3	1.09
Beckman DxI 600 / 800	43	107.837	8.2	1.68
Siemens Centaur XP/XPT/Classic	29	86.736	8.9	1.78
Siemens/DPC Immulite 1000	19	82.686	12.9	3.07
Roche Elecsys	19	131.596	10.5	3.97
SNIBE Maglumi analysers	14	122.882	4.2	1.74
Diasorin Liaison	13	88.523	12.1	3.70
TOSOH	12	119.896	5.5	2.38
Roche Modular E170	12	136.912	4.5	2.24
ELISA	6	119.117	23.6	14.31
Beckman Access/LXi725	6	110.495	11.8	6.65
Immunotech RIA	4	93.587	13.9	8.10
Siemens Centaur CP	3	93.813	10.9	7.35

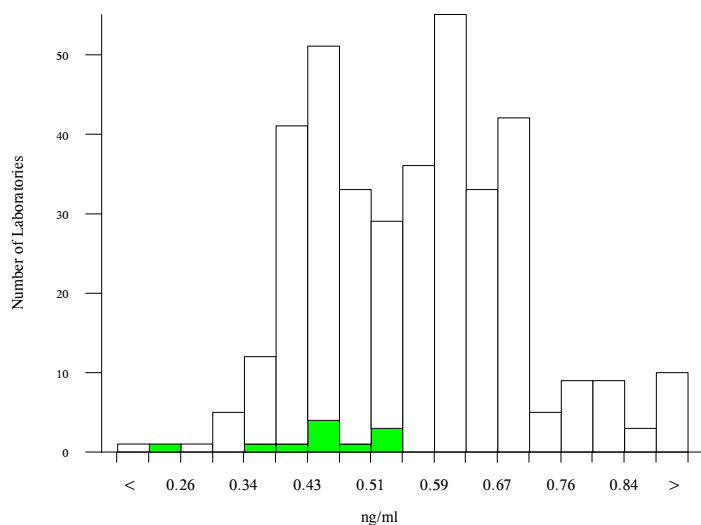


# Digoxin, ng/ml

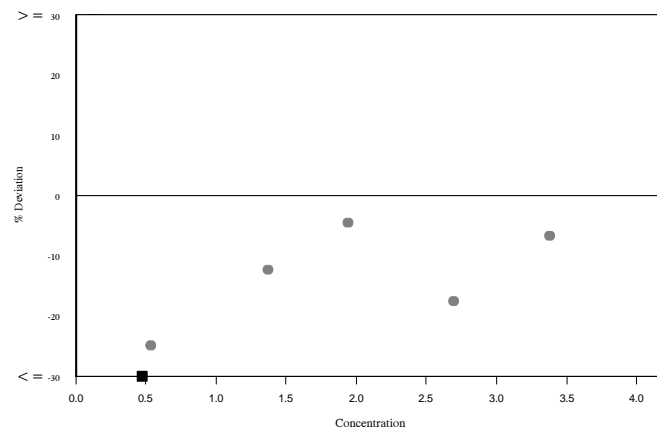
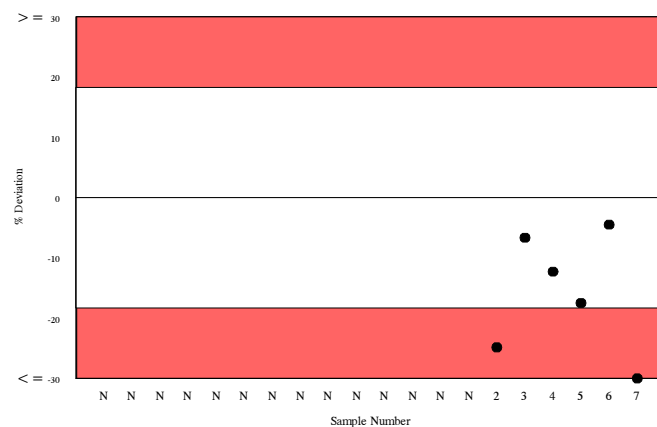
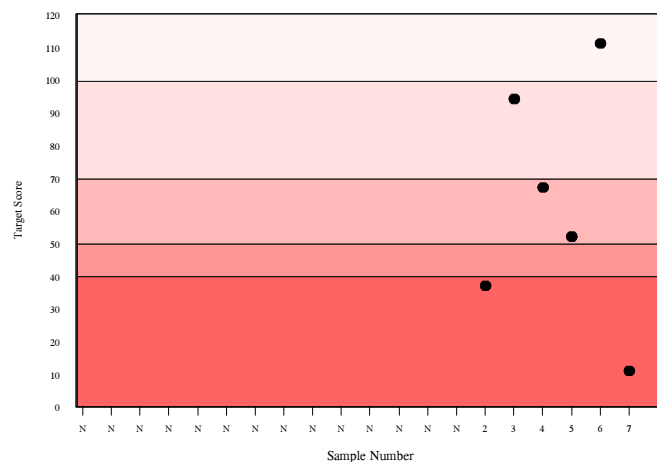
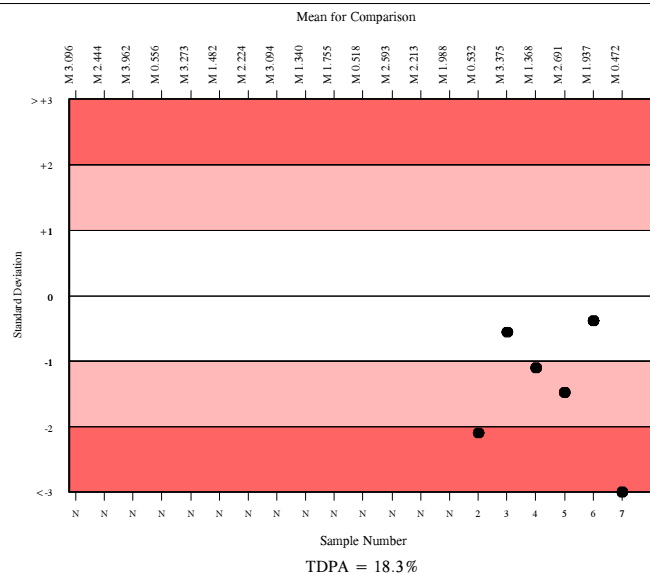
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	353	0.555	19.8	0.01	0.06	26
bioMerieux, VIDAS	10	0.472	11.0	0.02	0.06a	1

▲ Your Result	0.260	SDI	-3.76
		RMSDI	Too Few
■ Mean for Comparison	0.472	TS	11
		RMTS	Too Few
		%DEV	-44.9
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	18.30%
SDI in bottom 5% of peer group	
TS & %DEV outside limits	



Method	N	Mean	CV%	U <sub>m</sub>
Abbott Architect (CMIA)	88	0.440	9.4	0.01
Roche Cobas E601/602/801	35	0.621	6.8	0.01
Roche Cobas C501/502/701	28	0.597	12.3	0.02
Siemens Centaur XP/XPT/Classic	29	0.701	10.1	0.02
Abbott Architect (PETINIA)	20	0.530	20.4	0.03
Siemens Dimension	17	0.499	11.6	0.02
Beckman Dxl 600 / 800	12	0.591	3.0	0.01
Beckman AU400/600/640/2700/5400	13	0.727	12.6	0.03
Roche Cobas 4000/e411	12	0.634	6.8	0.02
bioMerieux, VIDAS	10	0.472	11.0	0.02
Roche Integra	9	0.595	9.1	0.02
SNIBE Maglumi analysers	10	0.496	1.8	0.00
Vitros	10	0.636	13.8	0.03
Siemens/DPC Immulite 2000/2500	7	0.597	15.7	0.04
Siemens ADVIA 1200/1650/1800/2400	6	0.480	12.6	0.03
Roche Elecsys	8	0.659	9.1	0.03
Beckman DxC	5	0.580	15.5	0.05
Roche Cobas 4000/c311	4	0.653	1.5	0.01
Siemens/DPC Immulite 1000	2	0.585	8.5	0.04
Roche Modular E170	4	0.586	19.3	0.07
Siemens Centaur CP	3	0.673	6.9	0.03

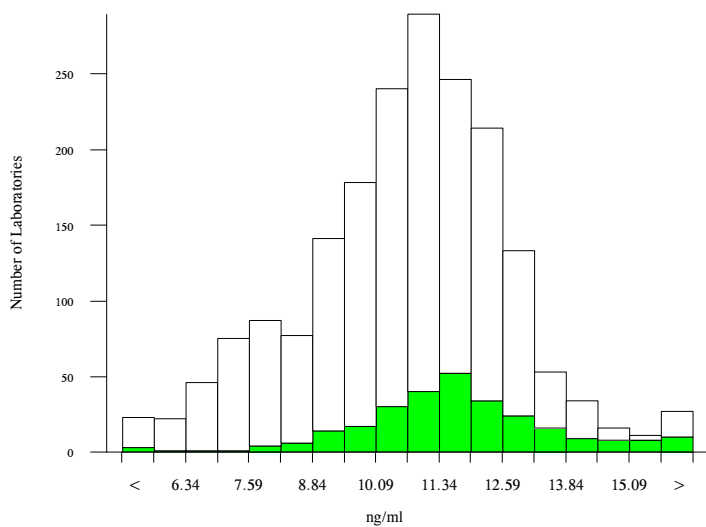


# Ferritin, ng/ml

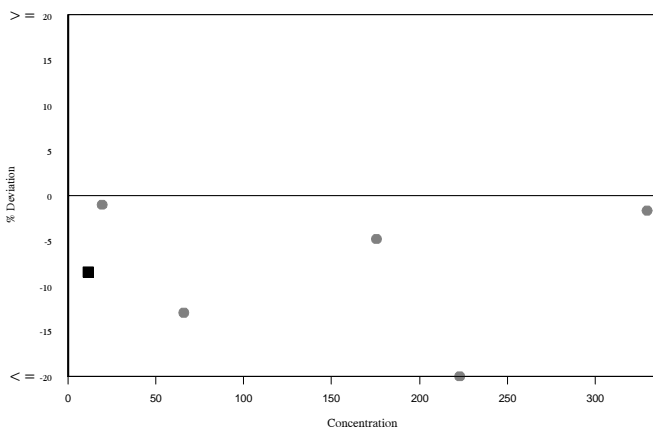
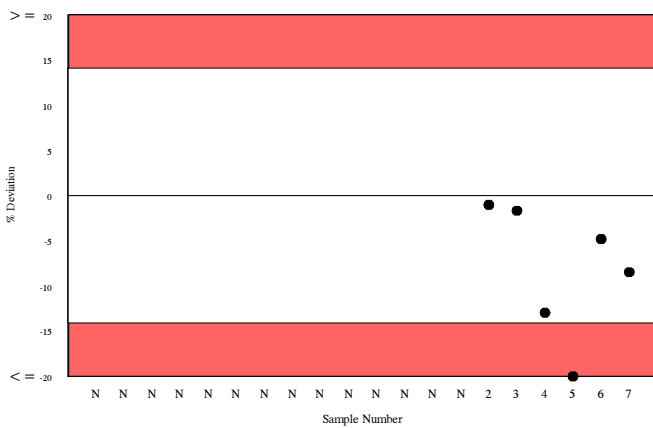
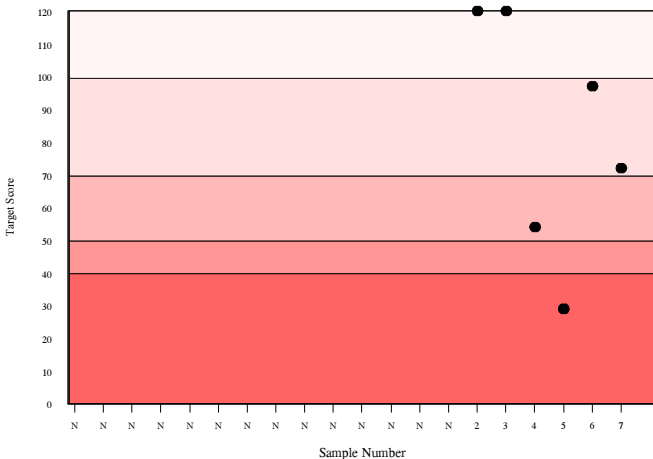
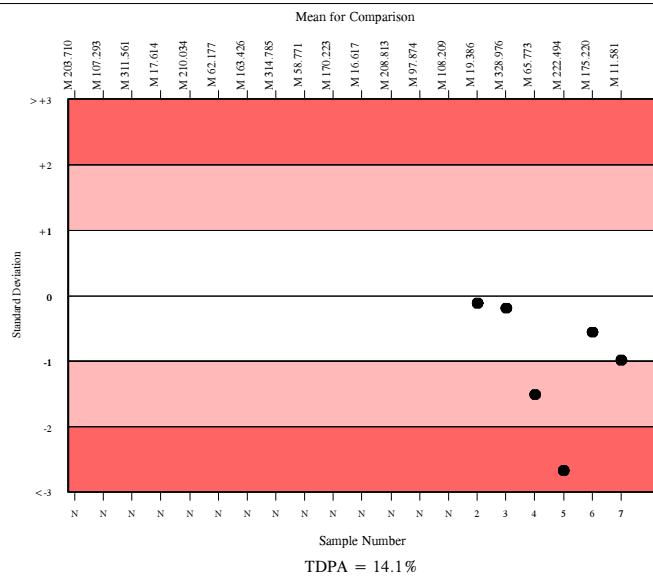
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	1787	10.722	15.5	0.05	0.92	126
Roche Elecsys / Cobas e411	251	11.581	12.5	0.11	0.99	27

▲ Your Result	10.600	SDI	-0.99
		RMSDI	Too Few
■ Mean for Comparison	11.581	TS	72
		RMTS	Too Few
		%DEV	-8.5
		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 e601/602/801	391	11.716	8.7	0.06
Abbott Architect Chemiluminescence	314	11.131	9.5	0.07
Roche Elecsys / Cobas e411	251	11.581	12.5	0.11
Siemens Centaur XP/XPT/Classic	194	10.590	7.9	0.08
Beckman DxI 600 / 800	161	7.810	11.6	0.09
Beckman Access/LXi725	55	7.378	12.7	0.16
bioMerieux, VIDAS	48	10.231	13.7	0.25
Ortho Vitros 3600/5600/ECi	48	9.467	7.1	0.12
Roche Cobas C501/502/701	45	11.286	9.1	0.19
Siemens/DPC Immulite 2000/2500	40	10.091	9.7	0.19
Diasorin Liaison	31	10.692	10.0	0.24
Siemens Centaur CP	26	9.385	9.1	0.21
Tosoh	22	6.598	10.6	0.19
Roche Cobas 4000/c311	25	11.362	10.8	0.31
Siemens Dimension	25	10.211	20.3	0.52
Beckman AU400/600/640/2700/5400	20	10.126	28.4	0.80
SNIBE Maglumi analysers	17	11.284	2.5	0.09
Siemens/DPC Immulite 1000	16	9.319	11.9	0.35
Roche Integra	10	11.648	20.5	0.95
Fujirebio Lumipulse G Series	8	5.725	10.0	0.25
Abbott Architect Quantia	5	12.436	13.4	0.93

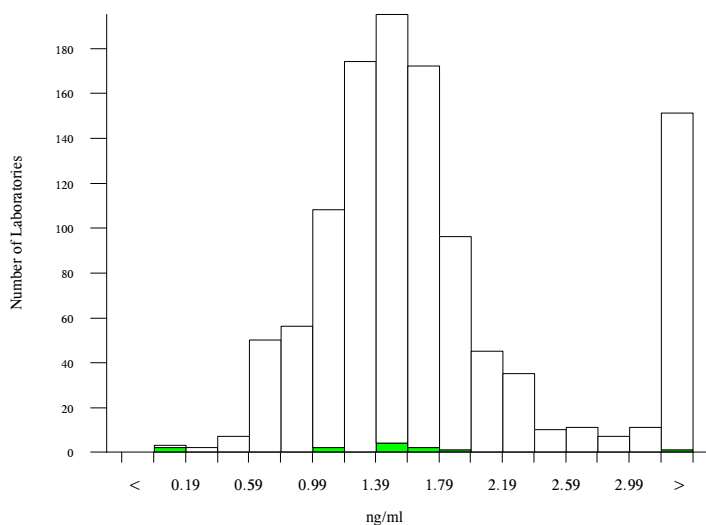


# Folate, ng/ml

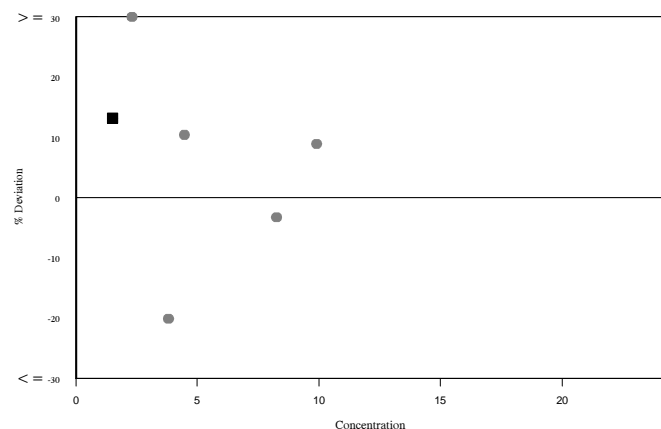
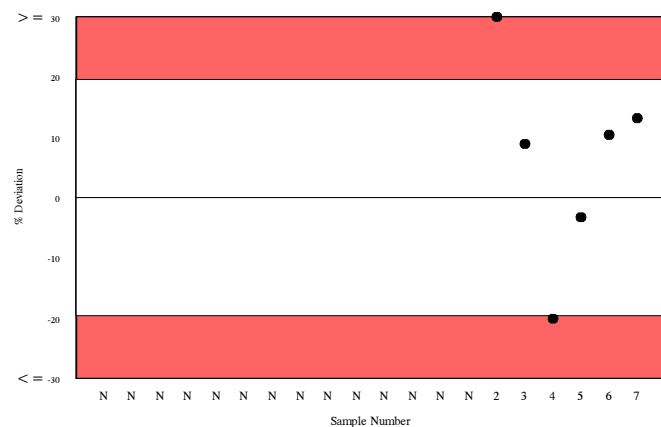
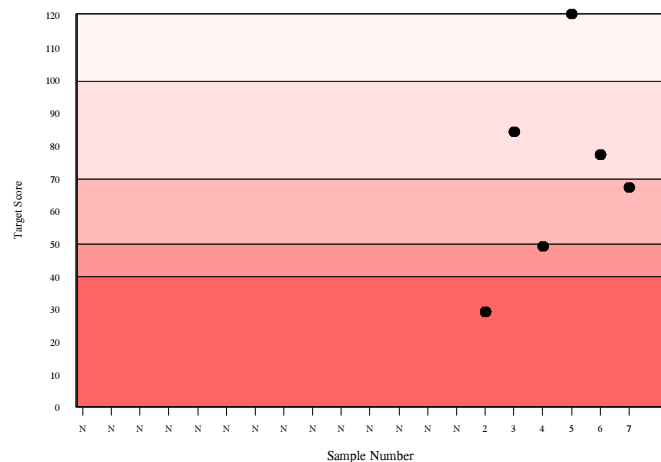
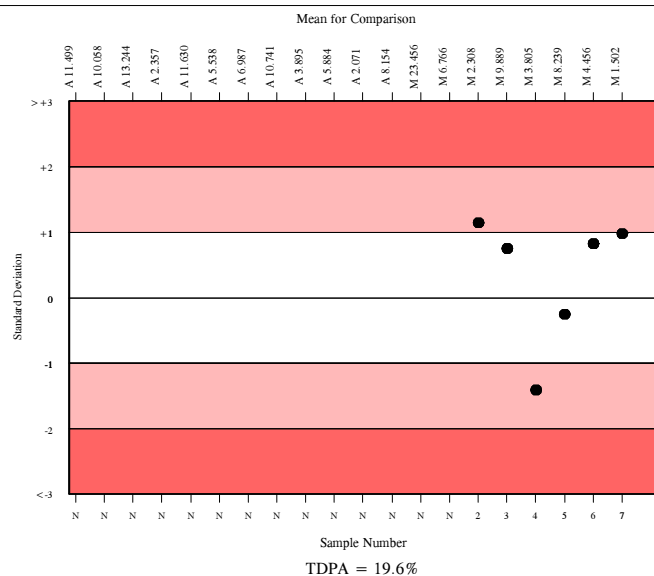
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	1007	1.553	35.3	0.02	0.19	137
Roche Folate III - 04476433	9	1.502	15.4	0.10	0.20a	3

▲ Your Result	1.700	SDI	0.98
		RMSDI	Too Few
■ Mean for Comparison	1.502	TS	67
		RMTS	Too Few
		%DEV	13.2
		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	225	1.733	20.5	0.03
Siemens Centaur XP/XPT/Classic(enhanced)	129	3.819	11.0	0.05
Roche Cobas 6000/8000	107	1.340	18.5	0.03
Roche Cobas 6000/8000 Folate III	106	1.414	17.1	0.03
Roche Cobas 4000/e411	82	0.996	34.7	0.05
Beckman DxI 600 / 800 - A98032	73	1.688	11.9	0.03
Roche Folate III - 07559992	64	1.310	18.3	0.04
Beckman DxI 600 / 800 - A14208	57	1.596	11.0	0.03
Roche cobas 4000/e411 Folate III	39	1.043	26.1	0.05
Siemens/DPC Immulite 2000	36	1.312	12.0	0.03
Beckman Access/LXi725	29	1.692	13.0	0.05
Ortho Vitros 3600/5600/ECi	22	1.547	15.4	0.06
Roche Elecsys	17	1.344	38.0	0.15
SNIBE Maglumi Analyser	11	1.246	24.3	0.11
Roche Folate III - 04476433	9	1.502	15.4	0.10
TOSOH	9	2.422	19.2	0.19
Roche Modular E170 Folate III	8	1.480	26.2	0.17
Roche Modular E170	8	1.292	16.1	0.09
Siemens Centaur CP (enhanced kit)	6	3.720	10.0	0.19
Siemens Dimension	5	0.900	47.8	0.24
MP Biomedicals RIA	4	0.900	13.6	0.08



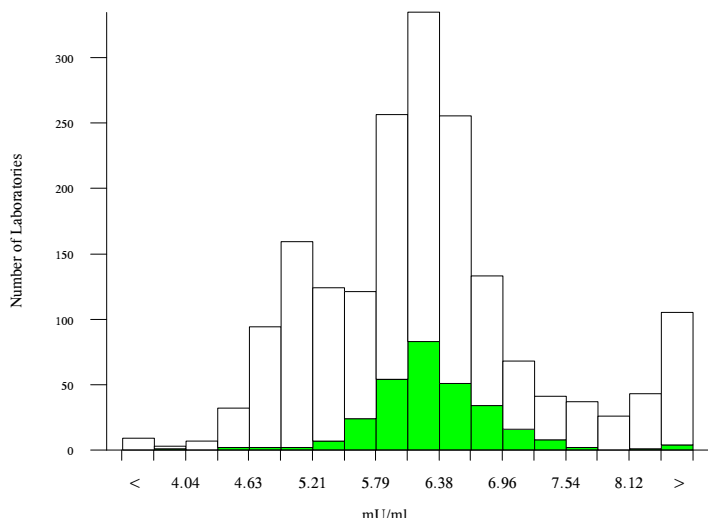


# FSH, mU/ml

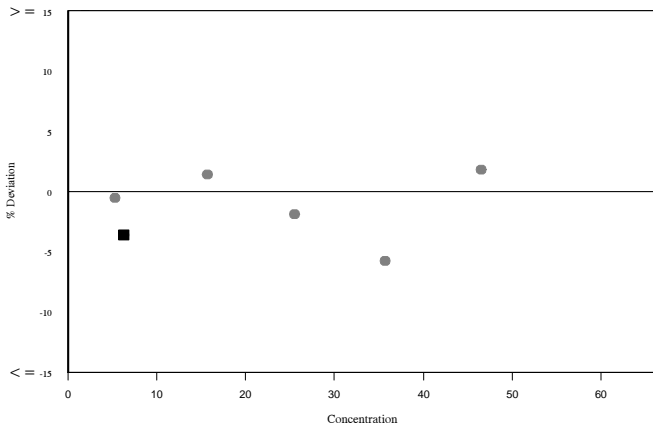
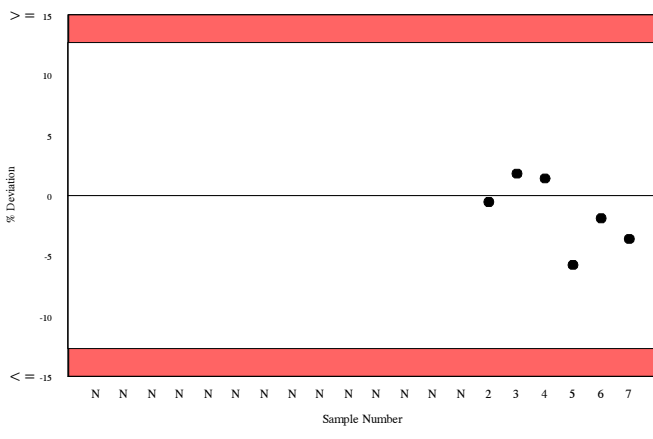
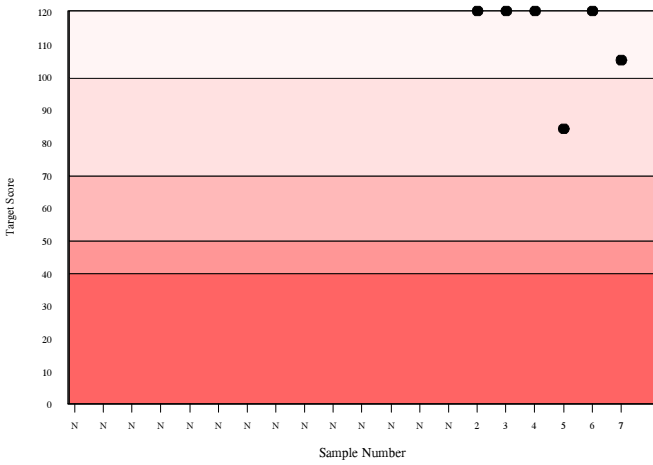
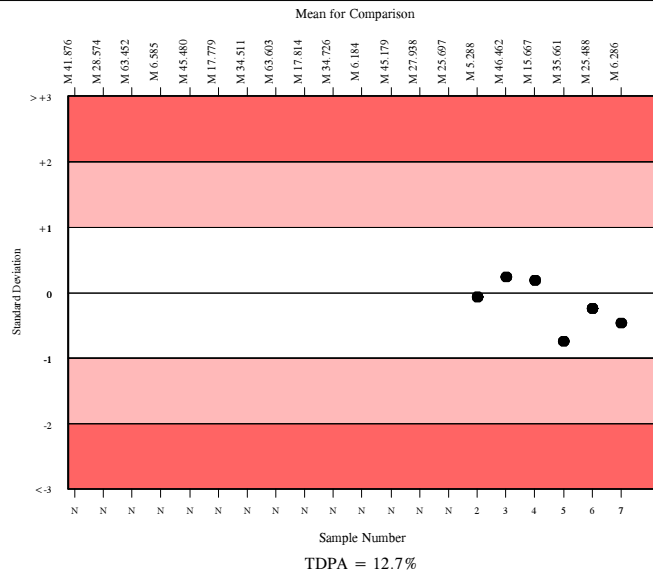
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	1700	6.090	12.8	0.02	0.47	147
Roche Cobas 4000/e411	267	6.286	6.4	0.03	0.49	24

▲ Your Result	6.060	SDI	-0.47
		RMSDI	Too Few
■ Mean for Comparison	6.286	TS	105
		RMTS	Too Few
		%DEV	-3.6
		RM%DEV	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	367	6.106	4.6	0.02
Abbott Architect	297	5.100	4.7	0.02
Roche Cobas 4000/e411	267	6.286	6.4	0.03
Siemens Centaur XP/XPT/Classic	177	8.343	7.2	0.06
Beckman DxI 600/800	139	6.325	5.5	0.04
bioMerieux, VIDAS	80	6.507	5.4	0.05
Siemens/DPC Immulite 2000/2500	58	6.571	5.8	0.06
Roche Elecsys	48	6.238	8.2	0.09
Beckman Access/LXi725	45	6.210	5.7	0.07
Ortho Vitros 3600/5600/ECi	43	4.776	5.0	0.05
Tosoh	33	6.468	8.0	0.11
Siemens/DPC Immulite 1000	27	6.805	4.4	0.07
Diasorin Liaison	26	7.127	13.8	0.24
Siemens Centaur CP	22	6.300	6.9	0.12
Roche Modular E170	22	5.961	3.4	0.05
SNIBE Maglumi analysers	21	6.488	3.2	0.06
Fujirebio Lumipulse G Series	9	4.880	5.9	0.12
DIAsource, IRMA	4	7.268	14.1	0.64
Immunotech IRMA	3	4.750	5.2	0.18
Siemens Dimension	2	5.190	5.7	0.26

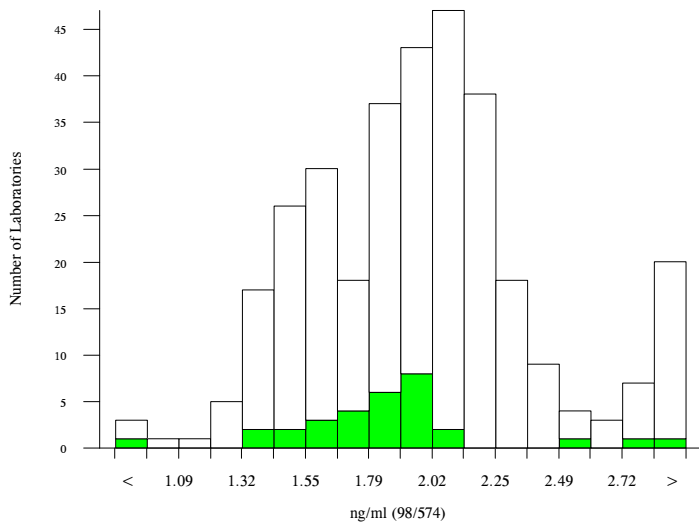


# GH, ng/ml (98/574)

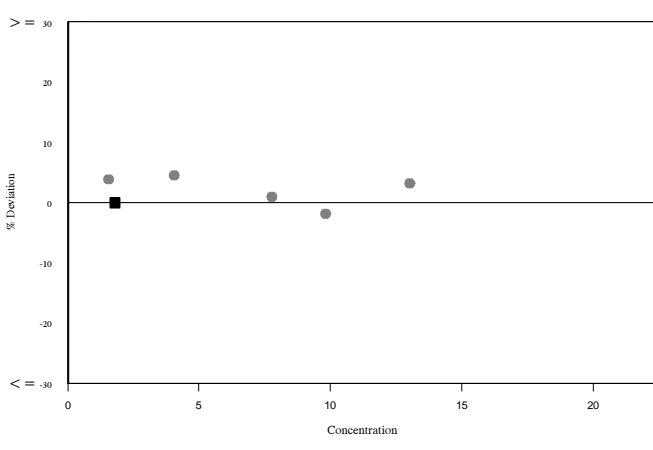
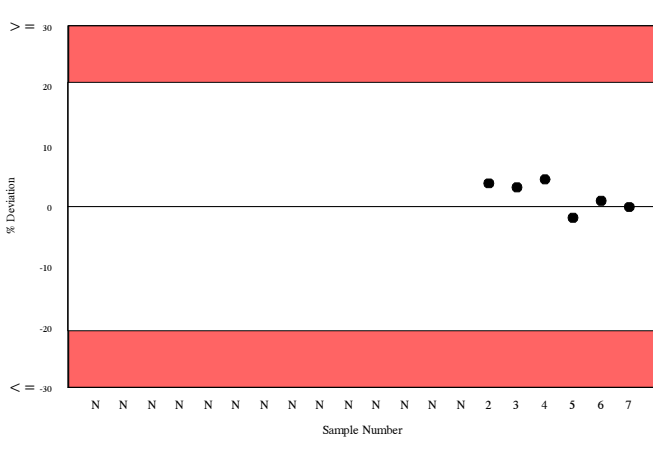
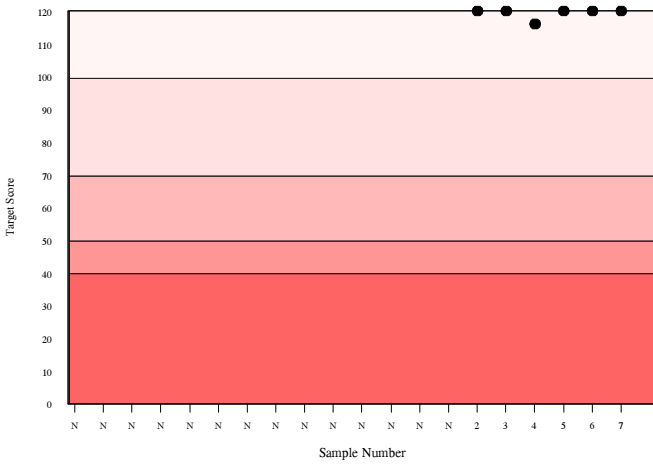
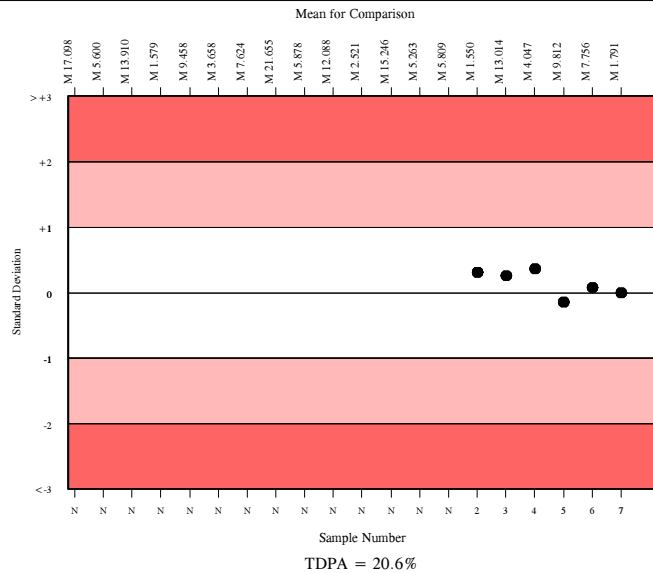
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
<input type="checkbox"/> All Methods	296	1.909	16.3	0.02	0.24	31
<input checked="" type="checkbox"/> Roche Cobas 4000/e411	27	1.791	11.1	0.05	0.22	4

<input checked="" type="checkbox"/> Your Result	1.790	SDI	-0.00
		RMSDI	Too Few
<input checked="" type="checkbox"/> Mean for Comparison	1.791	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	20.60%



Method	N	Mean	CV%	U <sub>m</sub>
Siemens/DPC Immulite 2000/2500	102	2.167	5.9	0.02
Roche Cobas 6000/8000	38	1.871	7.3	0.03
Roche Cobas 4000/e411	27	1.791	11.1	0.05
Siemens/DPC Immulite 1000	25	2.019	7.0	0.04
Diasorin Liaison	22	1.536	5.3	0.02
Beckman Dxi 600 / 800	20	1.497	8.1	0.03
SNIBE Maglumi analysers	15	2.892	3.0	0.03
Beckman Access/LXi725	13	1.516	6.4	0.03
IDS iSYS	9	1.700	4.9	0.03
Tosoh	9	2.065	10.3	0.09
CIS, IRMA	4	1.384	16.2	0.14
Roche Elecsys	3	1.820	16.3	0.21
DIAsource IRMA	2	1.728	10.4	0.16
ELISA	2	1.985	55.9	0.98
Roche Modular E170	2	1.940	2.9	0.05

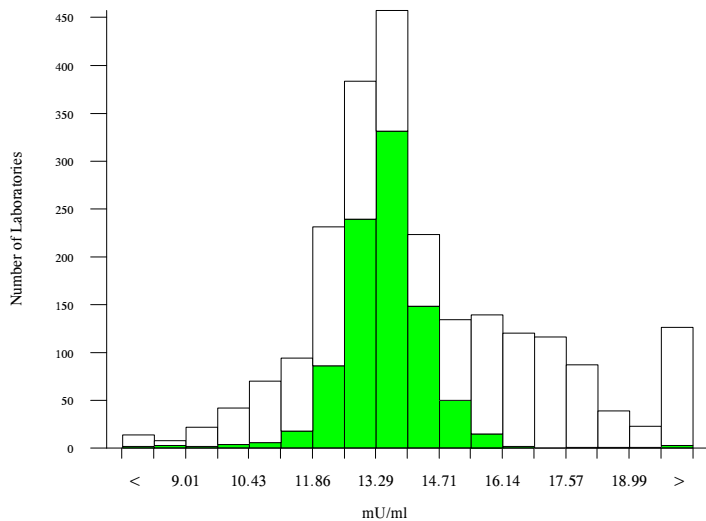


# hCG, mU/ml

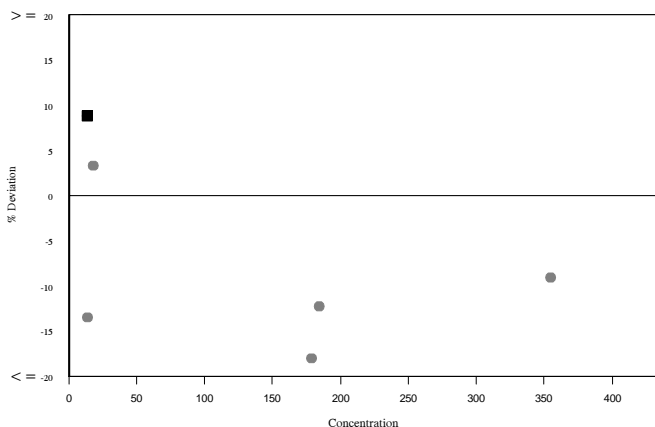
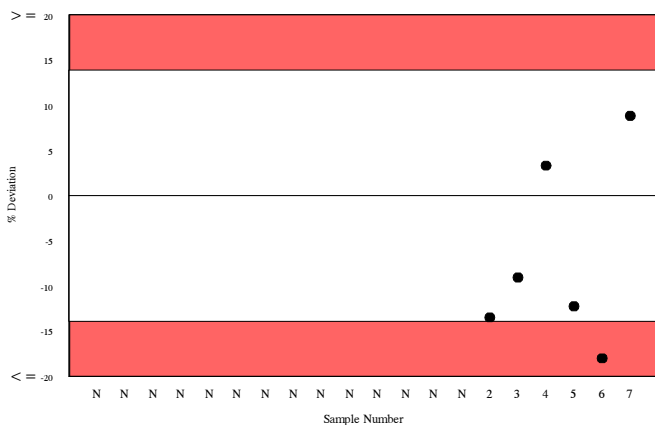
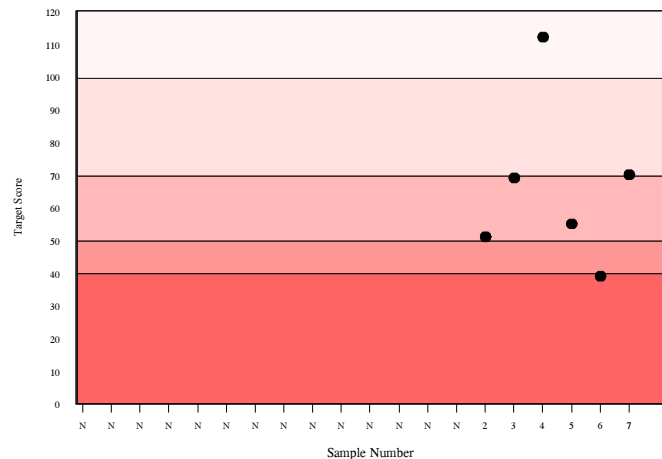
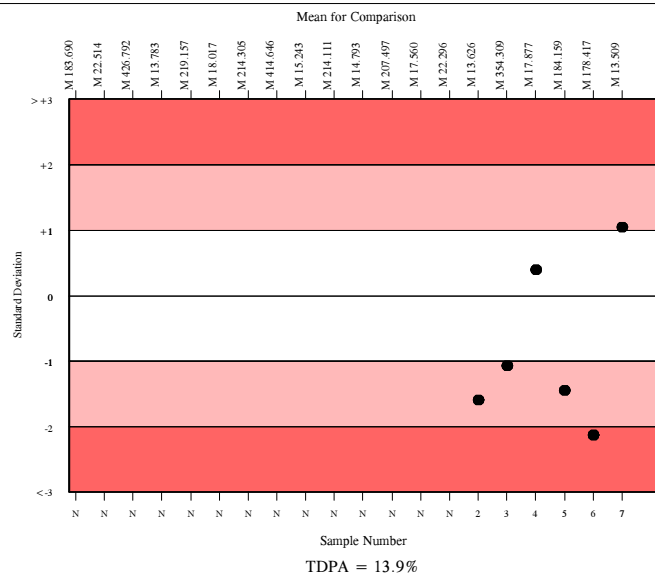
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	2131	14.006	13.6	0.05	1.18	198
Roche hCG + Beta	845	13.509	5.2	0.03	1.14	68

▲ Your Result	14.700	SDI	1.04
		RMSDI	Too Few
■ Mean for Comparison	13.509	TS	70
		RMTS	Too Few
		%DEV	8.8
		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 hCG+Beta	845	13.509	5.2	0.03
Abbott Architect	391	12.635	7.1	0.06
Siemens Centaur XP/XPT/Classic	194	17.290	7.2	0.11
Beckman DxI 600 / 800	113	16.693	4.6	0.09
bioMerieux, VIDAS	104	13.770	9.5	0.16
Roche hCG STAT(Intact)	65	10.521	8.3	0.14
Siemens/DPC Immulite 2000	63	24.932	9.4	0.37
Ortho Vitros 3600/5600/ECi	57	15.572	6.4	0.16
Beckman Access/LXi725	42	16.290	4.5	0.14
Siemens Centaur CP	38	14.815	7.3	0.22
Beckman Access Total BhCG (5th IS)	37	16.759	4.7	0.16
Beckman DXI Total BhCG (5th IS)	37	17.376	4.1	0.15
Siemens/DPC Immulite 1000	27	24.059	12.2	0.70
Diasorin Liaison	23	11.381	9.3	0.28
SNIBE Maglumi analysers	21	10.232	6.5	0.18
Siemens Dimension	21	14.559	5.7	0.23
Tosoh	15	16.867	5.4	0.29
Fujirebio Lumipulse G Series	12	11.727	10.7	0.45
Roche Cobas Core EIA	10	13.493	5.9	0.31
Radiometer AQT90 Flex	6	12.333	6.6	0.42
Siemens Stratus CS	3	18.133	6.6	0.87

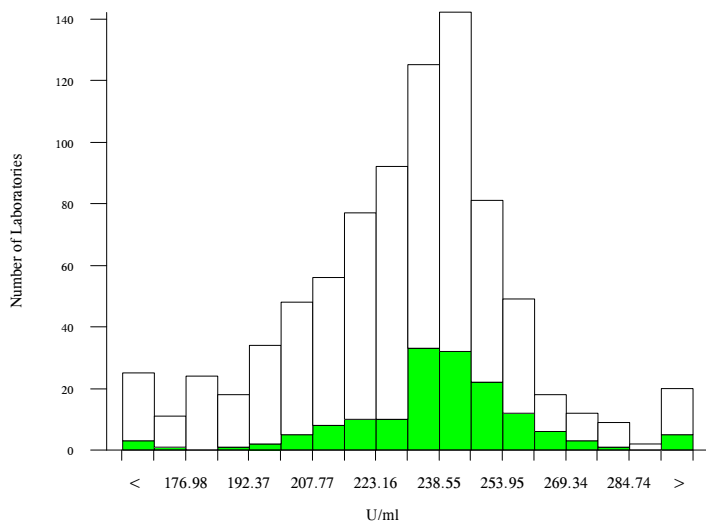


# IgE, U/ml

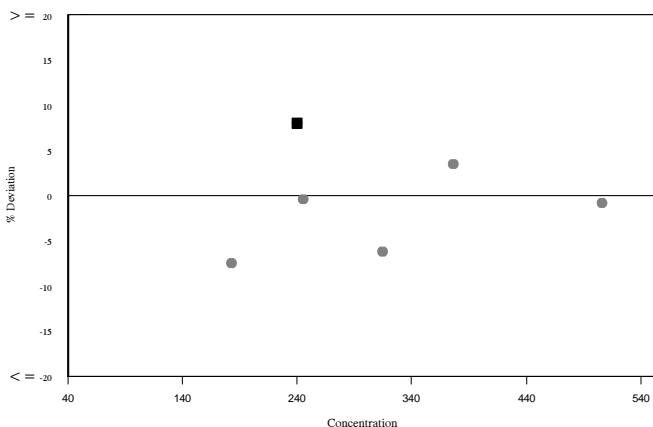
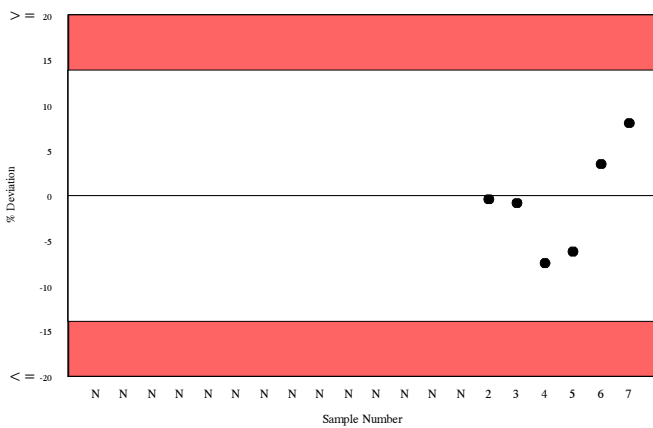
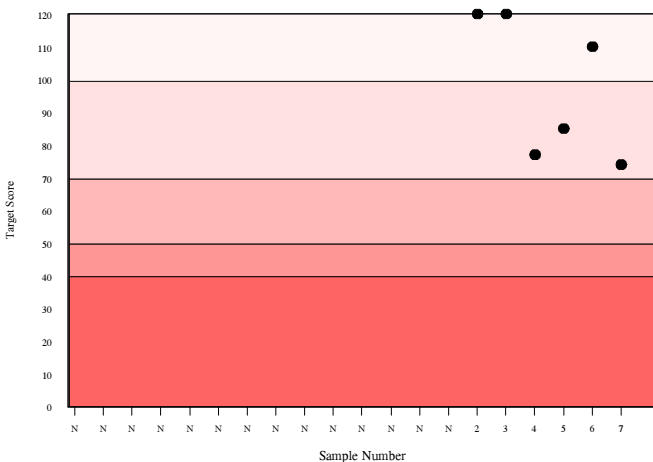
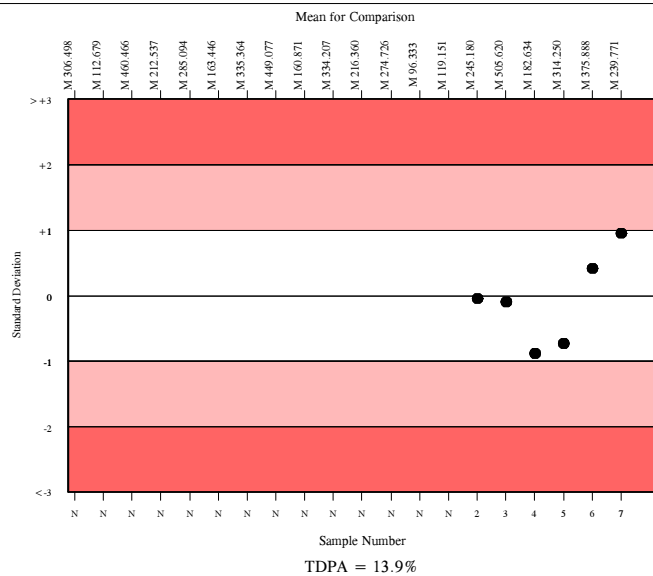
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	778	230.863	8.9	0.92	19.51	65
Roche Cobas 4000/e411	138	239.771	5.9	1.50	20.26	16

▲ Your Result	259.000	SDI	0.95
		RMSDI	Too Few
■ Mean for Comparison	239.771	TS	74
		RMTS	Too Few
		%DEV	8.0
		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	171	239.825	4.0	0.91
Roche Cobas 4000/e411	138	239.771	5.9	1.50
Siemens/DPC Immulite 2000/2500	95	241.877	8.3	2.58
Siemens Centaur XP/XPT/Classic	77	221.922	5.4	1.69
bioMerieux, VIDAS	52	195.042	7.9	2.69
Abbott Architect	46	234.019	5.3	2.29
Beckman Dxi 600 / 800	23	208.085	9.9	5.38
TOSOH	19	220.954	7.5	4.76
Siemens/DPC Immulite 1000	19	244.670	6.7	4.73
Phadia Immucap instruments	20	207.300	5.7	3.30
Roche Elecsys	18	235.839	4.7	3.28
Roche Modular E170	15	240.972	4.8	3.70
SNIBE Maglumi analysers	14	180.674	7.9	4.78
Siemens Centaur CP	11	218.018	8.7	7.14
Fujirebio Lumipulse G Series	8	203.464	2.8	2.51
Biomed	5	227.793	7.0	8.92
Siemens/Dade Behring Nephelometer	5	246.600	3.0	4.19
Beckman Access/LXi725	5	211.046	10.8	12.74
Randox RX series Instruments	4	211.205	18.8	24.76
Monobind Inc. ELISA / CLIA	2	194.815	10.0	17.27
ELISA	3	158.667	32.5	37.22

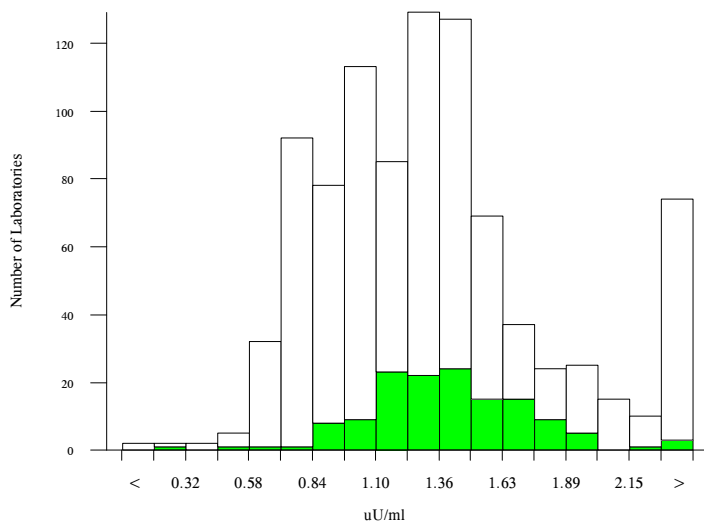


# Insulin, uU/ml

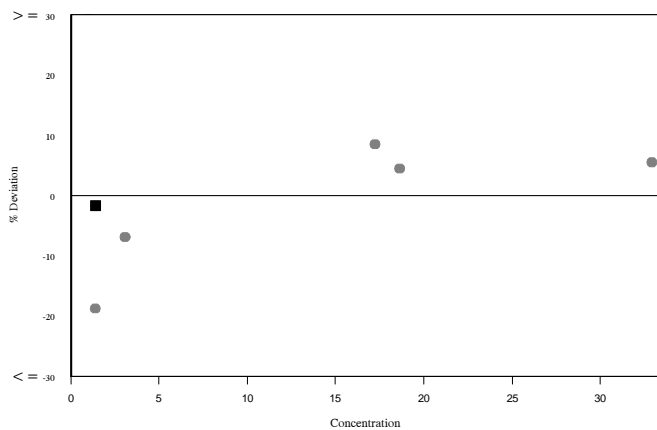
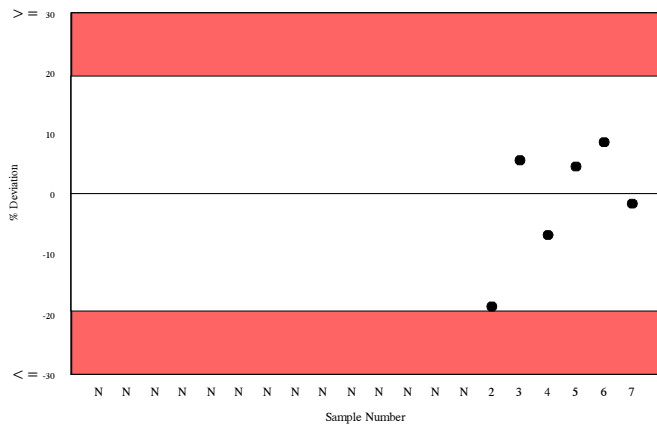
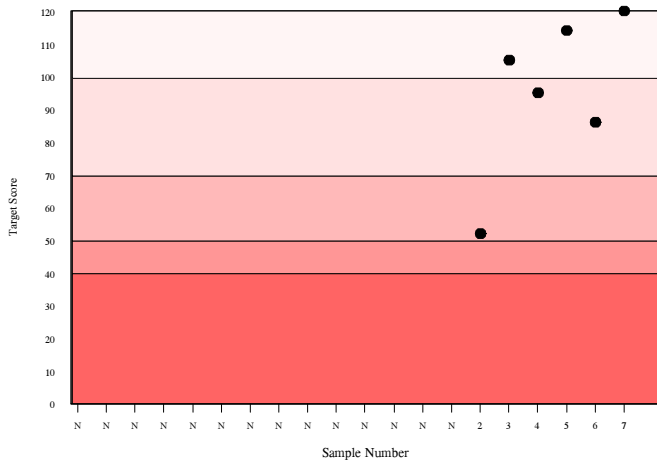
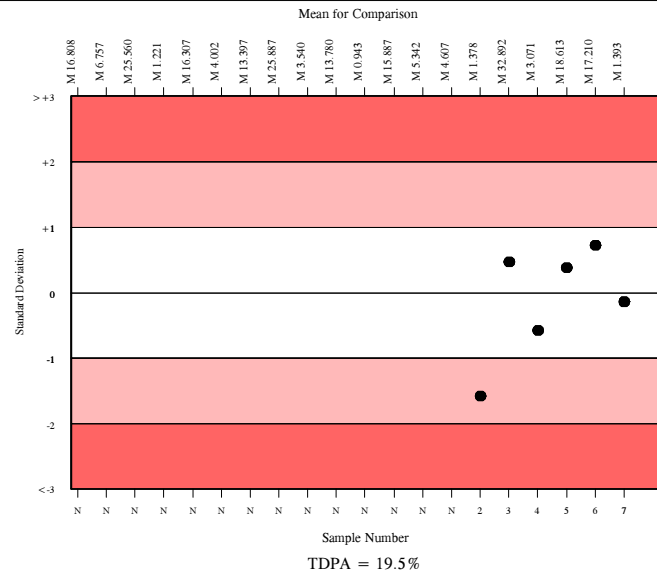
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	833	1.239	28.1	0.02	0.15	95
Roche Cobas 4000/e411	129	1.393	19.1	0.03	0.17	9

▲ Your Result	1.370	SDI	-0.14
		RMSDI	Too Few
■ Mean for Comparison	1.393	TS	120
		RMTS	Too Few
		%DEV	-1.7
		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	200	1.356	11.5	0.01
Abbott Architect	153	0.996	12.8	0.01
Roche Cobas 4000/e411	129	1.393	19.1	0.03
Siemens Centaur XP/XPT/Classic	82	1.697	17.0	0.04
Beckman DxI 600 / 800	84	0.768	6.7	0.01
Siemens/DPC Immulite 2000	33	3.613	26.2	0.21
SNIBE Maglumi analysers	24	2.166	65.3	0.36
Roche Elecsys	22	1.198	21.7	0.07
Tosoh	19	1.373	16.3	0.06
DiaSorin, Liaison	21	1.138	30.4	0.09
Roche Modular E170	17	1.385	12.0	0.05
Beckman Access/LXi725	11	0.768	5.2	0.02
Siemens/DPC Immulite 1000	11	2.326	12.1	0.11
Siemens Centaur CP	9	1.448	11.5	0.07
Fujirebio Lumipulse G Series	7	0.986	7.0	0.03
Diasource IRMA	3	4.210	23.5	0.71
ELISA	2	0.590	26.4	0.14
CIS, RIA coated tube	2	2.045	16.9	0.31
Monobind Inc. ELISA	2	1.995	50.0	0.88

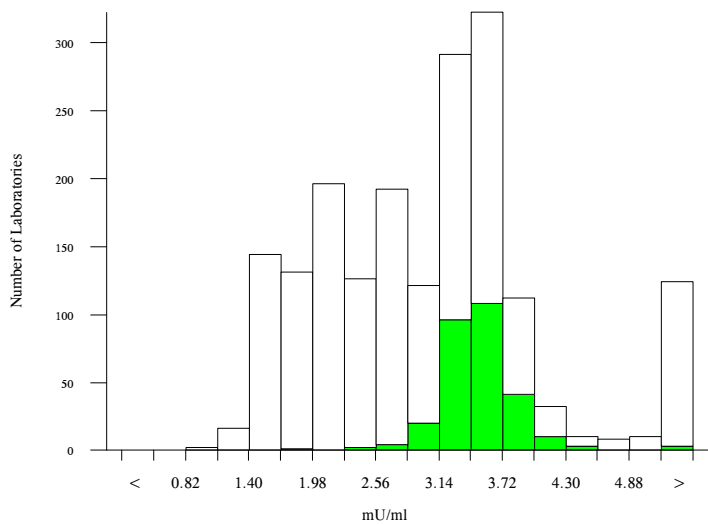


# LH, mU/ml

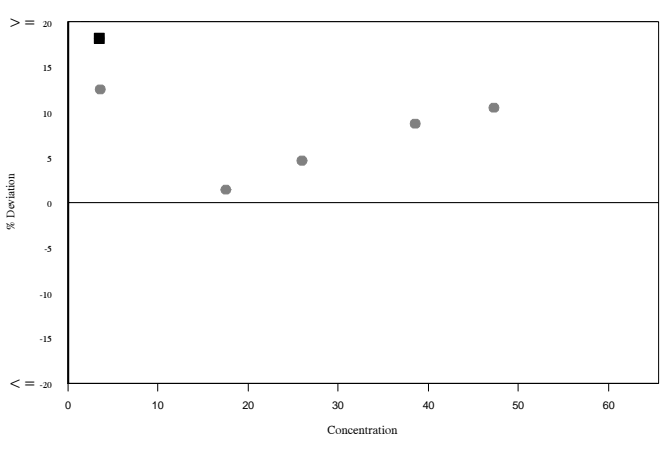
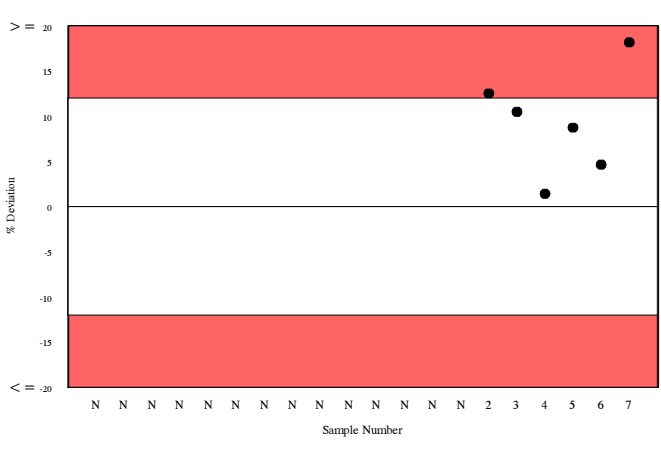
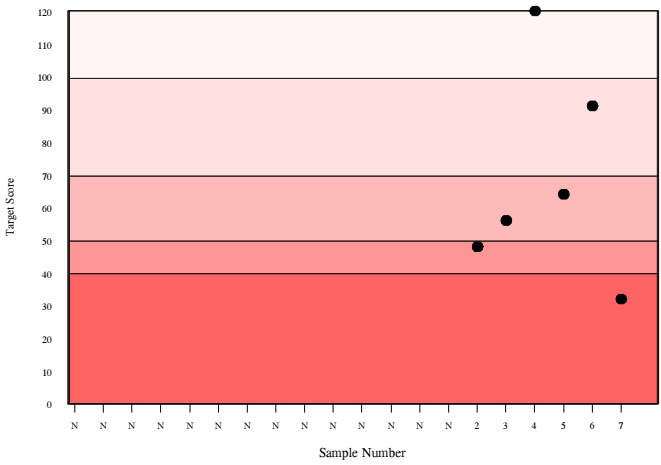
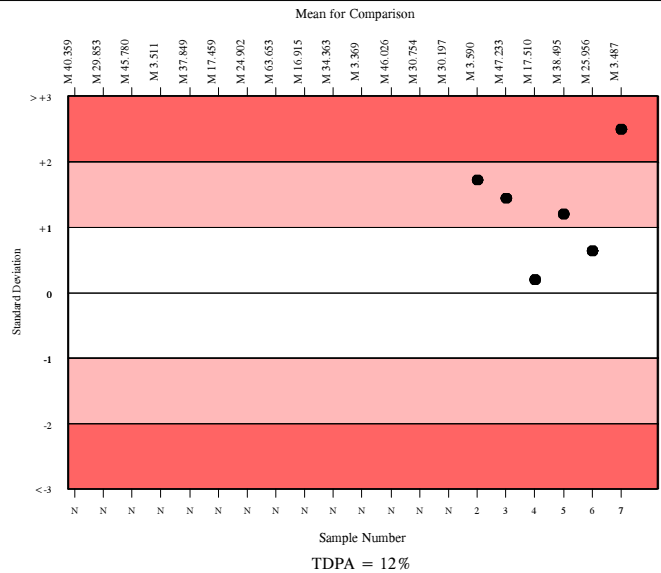
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	1708	2.854	27.1	0.02	0.21	130
Roche Cobas 4000/e411	267	3.487	6.9	0.02	0.25	21

▲ Your Result	4.120	SDI	2.49
		RMSDI	Too Few
■ Mean for Comparison	3.487	TS	32
		RMTS	Too Few
		%DEV	18.2
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation	27.92%
Acceptable limits of performance for RIQAS	12.00%
SDI in bottom 5% of peer group	
TS & %DEV outside limits	



Method	N	Mean	CV%	U <sub>m</sub>
Roche Cobas 6000/8000	369	3.478	5.4	0.01
Abbott Architect	294	2.061	7.4	0.01
Roche Cobas 4000/e411	267	3.487	6.9	0.02
Siemens Centaur XP/XPT/Classic	184	2.743	5.5	0.01
Beckman DxI 600 / 800	136	1.597	6.4	0.01
bioMerieux, VIDAS	77	2.588	6.8	0.02
Siemens/DPC Immulite 2000	55	5.563	7.4	0.07
Roche Elecsys	48	3.504	9.2	0.06
Beckman Access/LXi725	40	1.604	6.6	0.02
Ortho Vitros 3600/5600/ECi	41	6.676	17.2	0.22
Tosoh	34	2.463	8.3	0.04
Diasorin Liaison	32	3.256	10.1	0.07
Siemens/DPC Immulite 1000	27	5.959	7.9	0.11
Roche Modular E170	26	3.431	5.2	0.04
Siemens Centaur CP	21	2.725	5.6	0.04
SNIBE Maglumi analysers	20	3.530	4.7	0.05
Fujirebio Lumipulse G Series	6	2.450	2.2	0.03
DIAsource, IRMA	4	4.593	25.4	0.73
Siemens Dimension	3	2.850	5.3	0.11
Immunotech IRMA	3	4.147	5.3	0.16

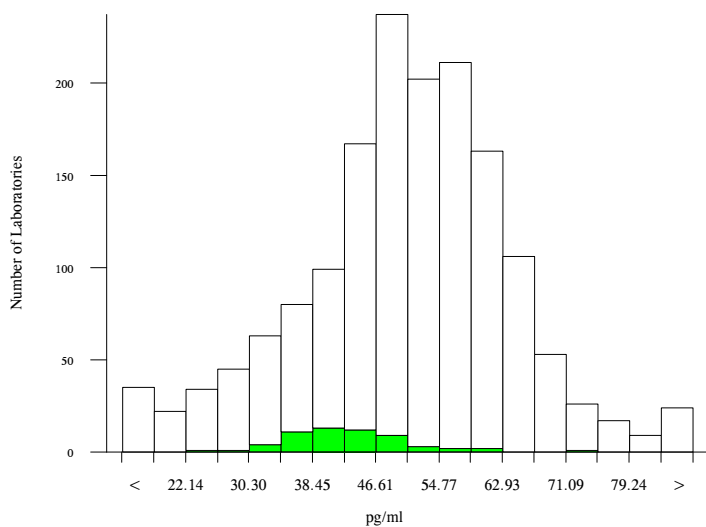


# Oestradiol, pg/ml

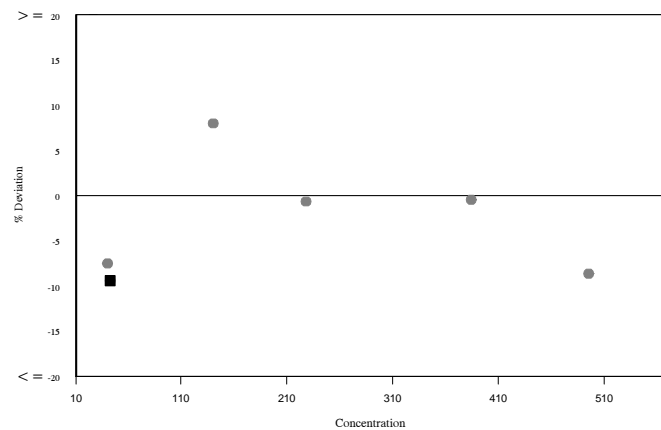
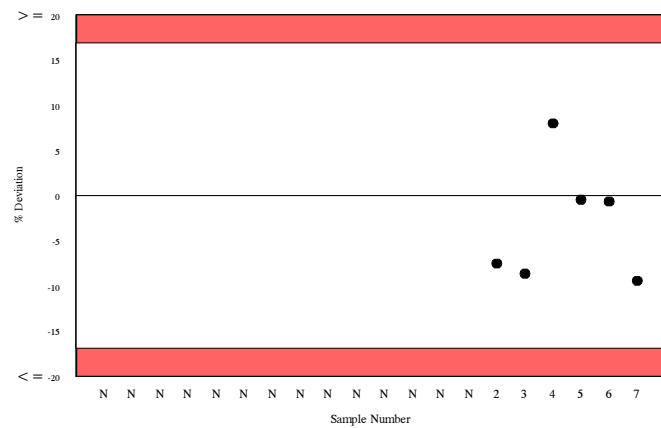
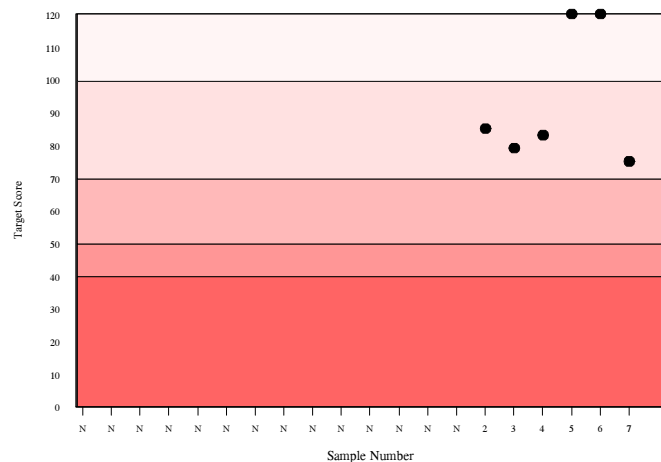
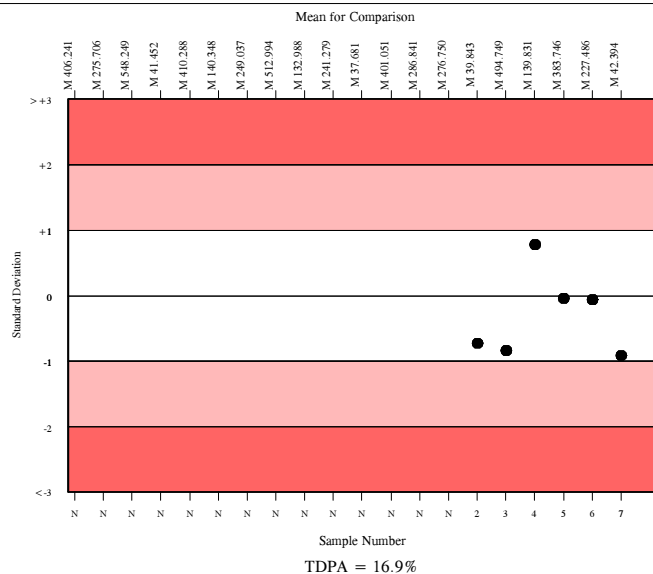
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	1480	50.696	21.5	0.35	5.21	121
Siemens/DPC Immulite 2000/2500	55	42.394	14.4	1.03	4.36	5

▲ Your Result	38.400	SDI	-0.92
		RMSDI	Too Few
■ Mean for Comparison	42.394	TS	75
		RMTS	Too Few
		%DEV	-9.4
		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	60.961	7.9	0.38
Roche Cobas 6000/8000 (Estradiol III)	202	50.861	9.6	0.43
Roche Cobas 6000/8000 (Estradiol II)	130	49.722	11.3	0.62
Beckman Dxi 600 / 800	122	30.945	25.1	0.88
Roche Cobas 4000/e411 (Estradiol II)	109	47.234	14.1	0.80
Roche Cobas 4000/e411 (Estradiol III)	114	48.921	10.1	0.58
Siemens Centaur XP/XPT/Classic (eE2)	94	56.543	10.1	0.73
bioMerieux, VIDAS	70	68.012	10.8	1.09
Siemens/DPC Immulite 2000/2500	55	42.394	14.4	1.03
Siemens Centaur XP/XPT/Classic	46	57.022	7.5	0.79
Beckman Access/LXi725	31	35.841	38.5	3.10
Roche Elecsys (Estradiol II)	28	47.530	15.9	1.78
Siemens/DPC Immulite 1000	25	36.595	12.4	1.13
Ortho Vitros 3600/5600/ECi	25	34.188	13.1	1.12
SNIBE Maglumi analysers	17	41.025	4.3	0.53
Diasorin Liaison	18	37.507	16.3	1.80
Tosoh (E2)	12	23.401	40.9	3.46
Roche Modular E170 (Estradiol III)	17	52.062	12.1	1.91
Roche Elecsys (Estradiol III)	12	48.323	4.0	0.70
Tosoh (iE2-hsE2)	12	18.083	36.9	2.41
Siemens Centaur CP	10	50.856	9.5	1.91

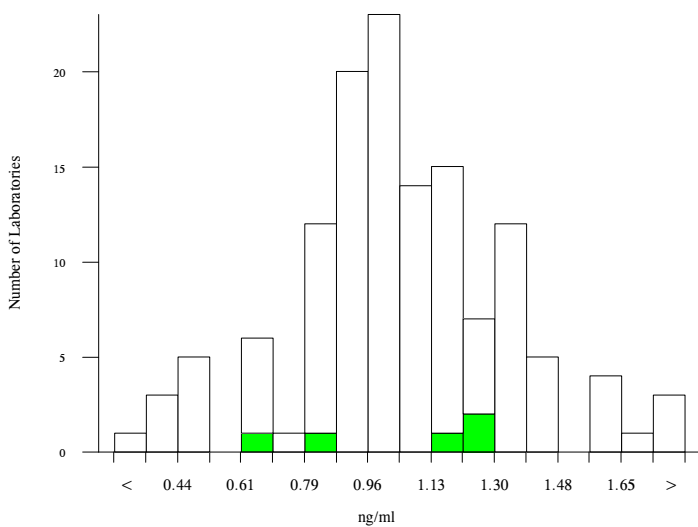


# 17-OH-Progesterone, ng/ml

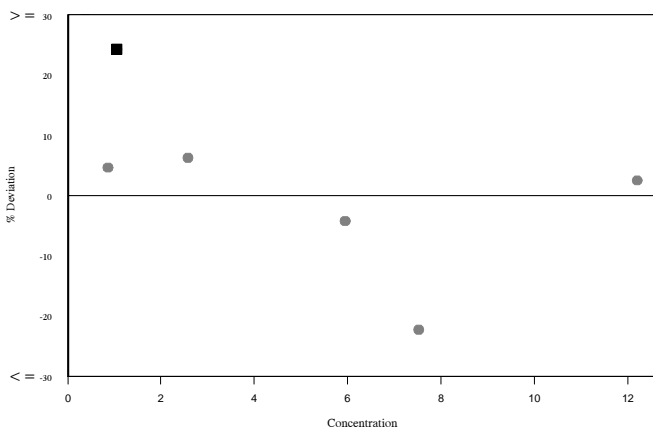
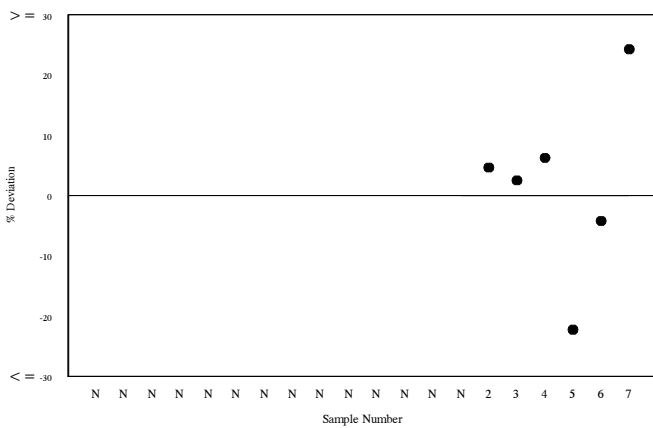
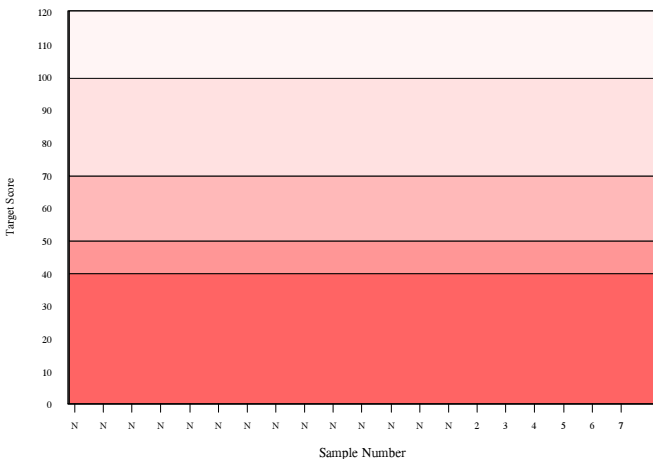
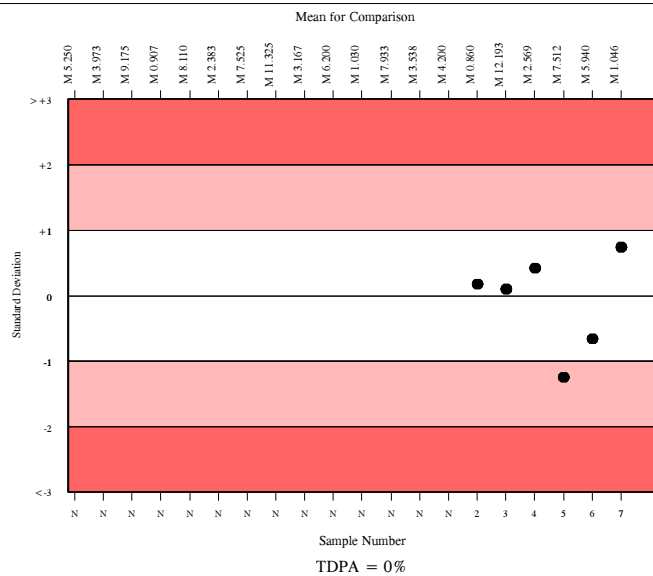
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	121	1.049	21.9	0.03	0.23	11
DiaMetra ELISA	5	1.046	28.7	0.17	0.34a	0

▲ Your Result	1.300	SDI	0.74
		RMSDI	Too Few
■ Mean for Comparison	1.046	TS	N/A
		RMTS	Too Few
		%DEV	24.3
		RM%DEV	Too Few

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	27	1.080	12.3	0.03
ELISA	17	0.967	19.0	0.06
SNIBE Maglumi analysers	10	1.039	1.0	0.00
IBL ELISA	11	1.106	28.2	0.12
DIASource RIA	8	1.392	2.9	0.02
DIASource ELISA	7	1.047	7.0	0.03
Immunotech RIA	8	0.900	25.7	0.10
Novatec ELISA	6	1.157	26.1	0.15
DiaMetra ELISA	5	1.046	28.7	0.17
CIS, RIA Coated Tube	4	0.485	22.0	0.07
Monobind Inc. ELISA / CLIA	3	1.472	23.1	0.25
Beckman Coulter RIA	2	1.077	35.8	0.34
MP Biomedicals RIA	2	0.515	31.6	0.14



**RIQAS**



0010

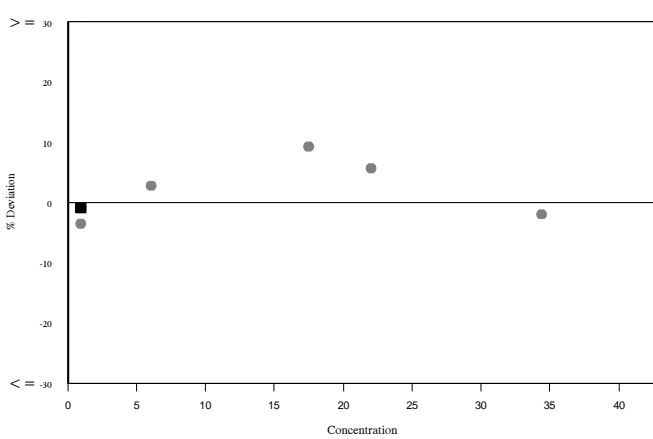
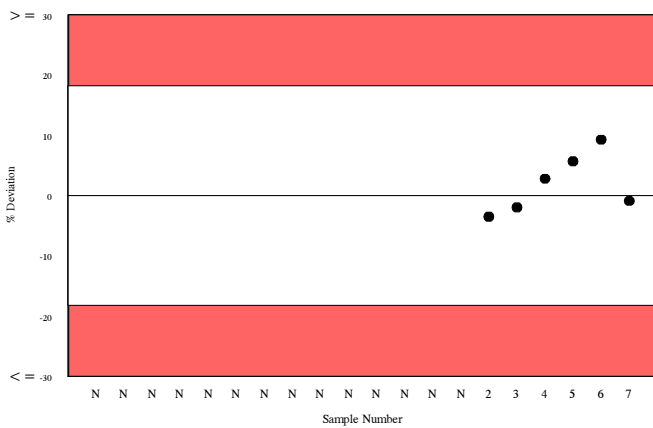
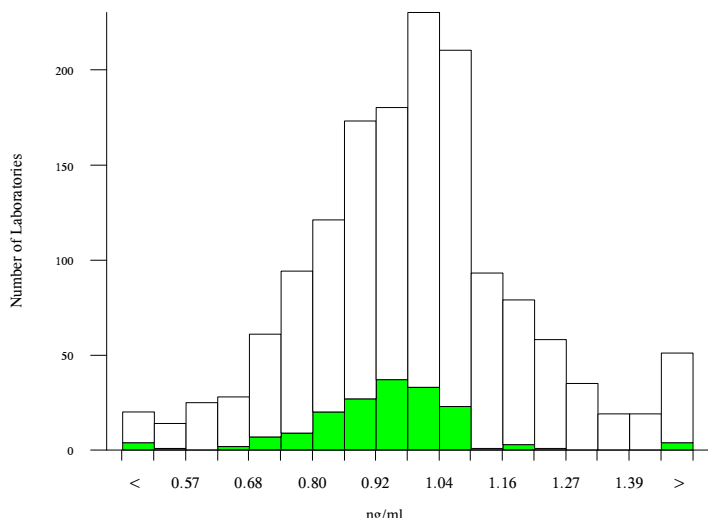
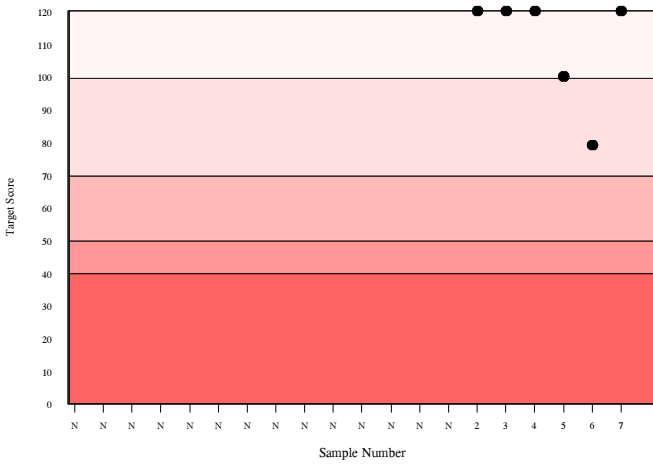
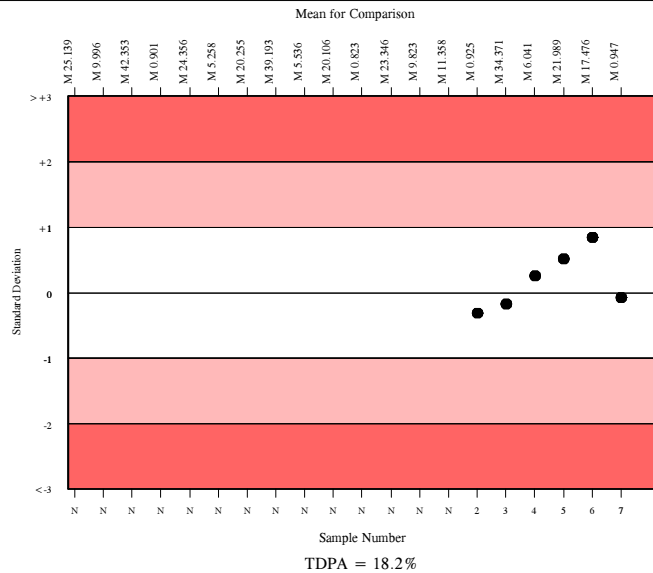


# Progesterone, ng/ml

	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	1390	0.985	16.0	0.01	0.11	120
Roche Cobas 4000/e411 (Prog. II)	152	0.947	9.3	0.01	0.10	20

▲ Your Result	0.939	SDI	-0.08
		RMSDI	Too Few
■ Mean for Comparison	0.947	TS	120
		RMTS	Too Few
		%DEV	-0.9
		RM%DEV	Too Few

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



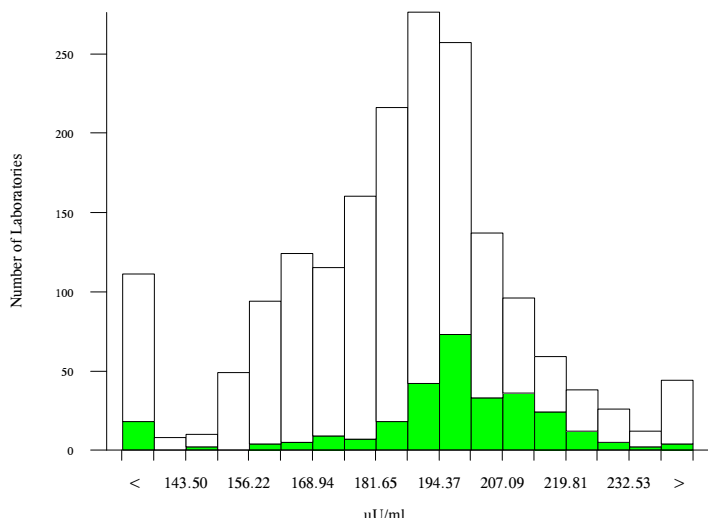
Method	N	Mean	CV%	U <sub>m</sub>
Abbott Architect	234	1.037	8.3	0.01
Roche Cobas 6000/8000 (Prog. II)	207	0.965	14.4	0.01
Roche Cobas 4000/e411 (Prog. II)	152	0.947	9.3	0.01
Siemens Centaur XP/XPT/Classic	149	0.812	15.9	0.01
Roche Cobas 6000/8000 (Prog. III)	102	0.969	13.2	0.02
Beckman DXI Prog. Cal 33555	90	1.068	14.3	0.02
bioMerieux, VIDAS	83	1.305	17.3	0.03
Roche Cobas 4000/e411 (Prog. III)	57	0.943	11.1	0.02
Siemens/DPC Immulite 2000/2500	52	1.113	8.0	0.02
Beckman Access Prog. Cal 33555	36	1.068	15.6	0.03
Roche Elecsys (Prog. II)	38	0.943	18.0	0.03
Siemens/DPC Immulite 1000	25	1.117	10.7	0.03
Tosoh	27	0.816	20.4	0.04
Ortho Vitros 3600/5600/ECi	27	1.233	11.2	0.03
Beckman DXI Prog.DE Cal. A80773	23	0.840	32.0	0.07
SNIBE Maglumi analysers	20	0.945	6.1	0.02
Diasorin Liaison	16	0.760	16.6	0.04
Siemens Centaur CP	11	0.916	8.3	0.03
Roche Modular E170 (Prog. III)	14	1.015	9.4	0.03
Roche Modular E170 (Prog. II)	9	1.009	9.7	0.04
Beckman Access Prog.DE Cal. A80773	5	0.626	13.2	0.05

# Prolactin, uU/ml

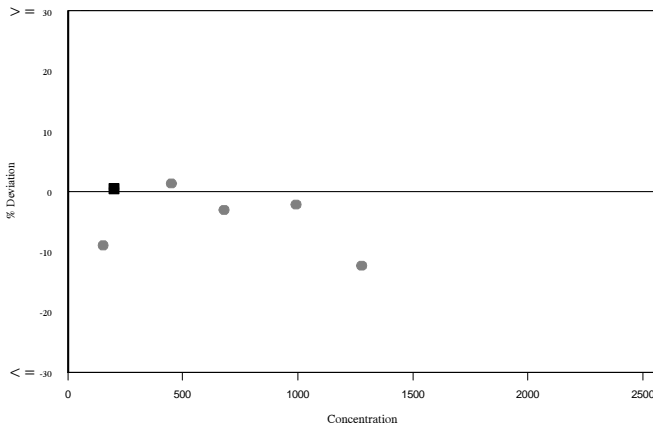
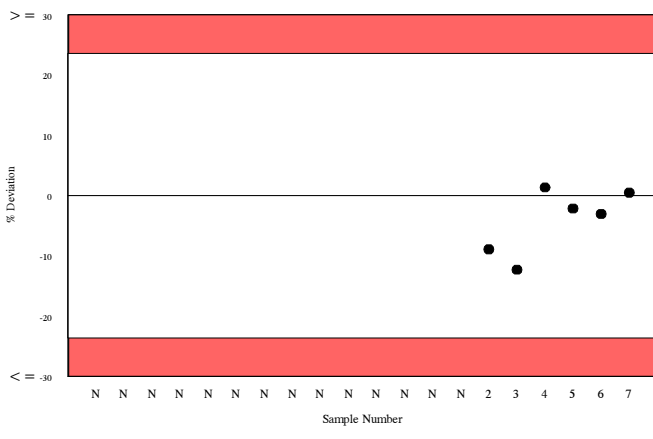
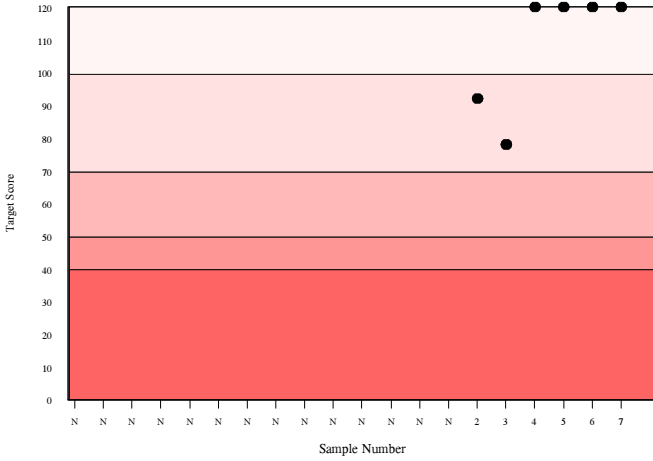
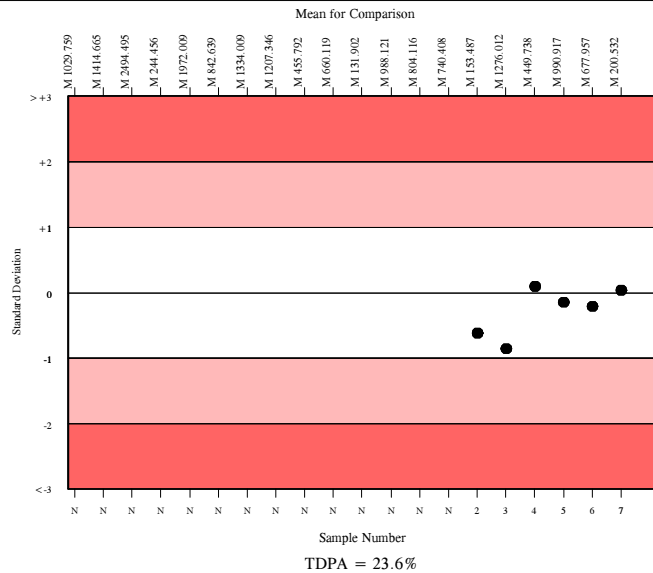
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	1632	188.018	9.0	0.52	26.98	201
Roche Cobas 4000/e411	259	200.532	6.2	0.96	28.77	35

▲ Your Result	201.500	SDI	0.03
		RMSDI	Too Few
■ Mean for Comparison	200.532	TS	120
		RMTS	Too Few
		%DEV	0.5
		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	310	193.149	4.5	0.62
Roche Cobas 4000/e411	259	200.532	6.2	0.96
Abbott Architect	245	192.146	5.6	0.87
Siemens Centaur XP/XPT/Classic	172	163.278	3.7	0.58
Beckman DxI 600 / 800	127	172.040	5.2	0.99
bioMerieux, VIDAS	67	191.599	8.8	2.56
Siemens/DPC Immulite 2000/2500	54	174.954	9.0	2.68
Roche Elecsys/E170/Cobas 6000/8000 PRLII	41	190.961	4.9	1.82
Roche Elecsys	42	201.992	6.8	2.66
Beckman Access/LXi725	41	180.213	7.3	2.55
Ortho Vitros 3600/5600/ECi	40	193.279	5.4	2.05
Abbott Architect (Re-standardised)	37	189.438	3.6	1.39
Tosoh	29	206.682	14.0	6.71
Siemens/DPC Immulite 1000	27	185.656	7.0	3.13
Diasorin Liaison	25	202.176	11.5	5.80
SNIBE Maglumi analysers	21	203.663	7.7	4.30
Siemens Centaur CP	17	159.056	3.9	1.86
Roche Modular E170	15	186.908	3.1	1.86
Fujirebio Lumipulse G Series	6	216.020	4.3	4.71
Immunotech IRMA	9	221.953	8.2	7.60
Siemens Dimension	3	174.167	3.3	4.18

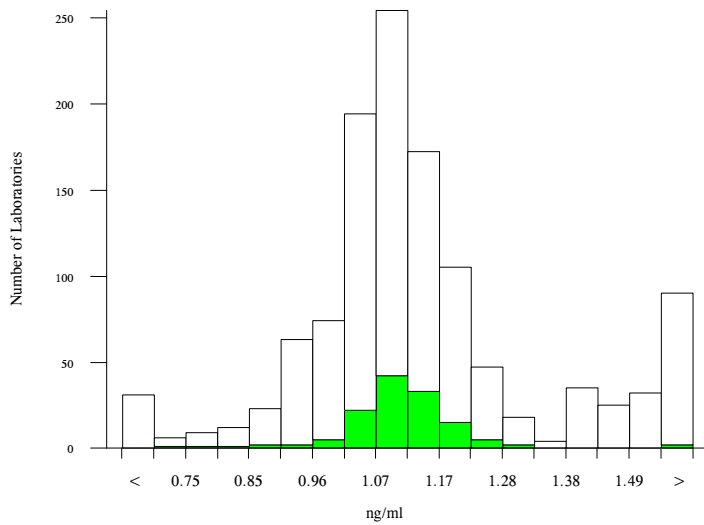


# PSA, Free, ng/ml

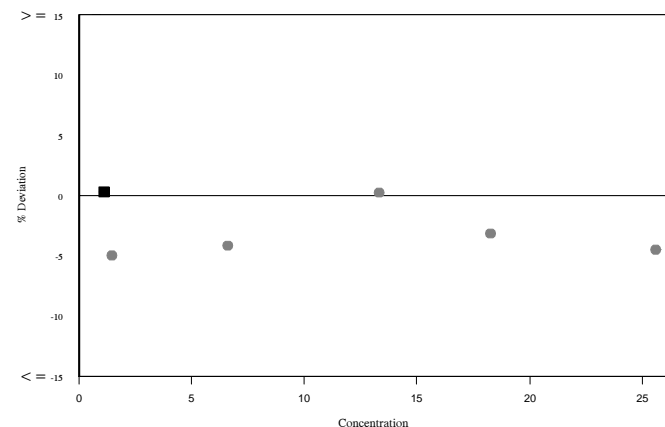
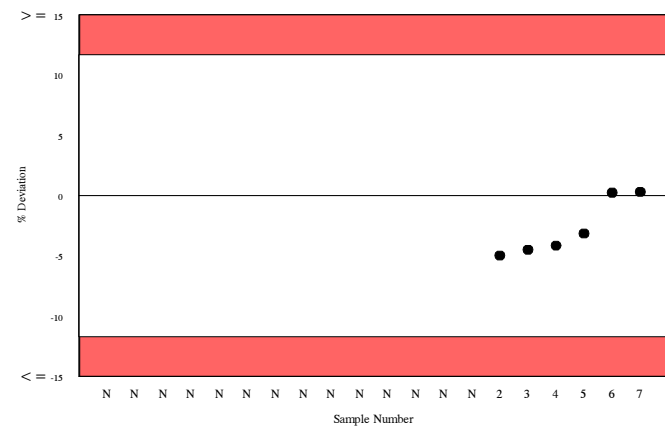
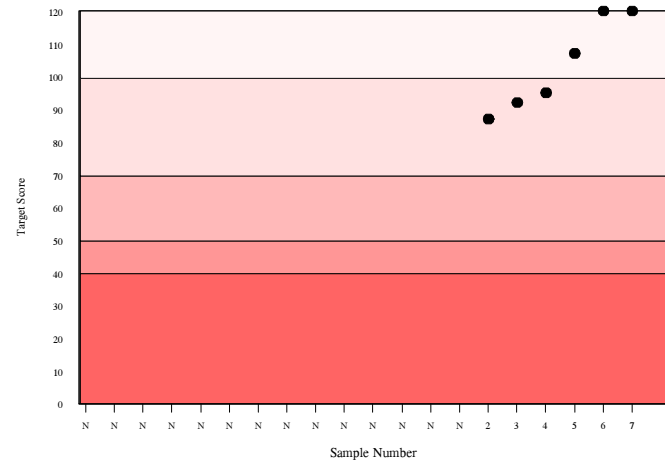
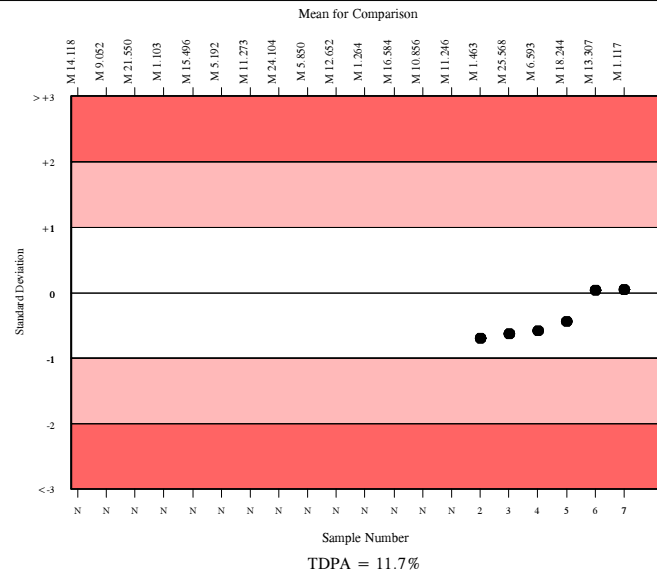
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	1067	1.124	12.5	0.01	0.08	129
Roche Cobas 4000/e411	121	1.117	5.3	0.01	0.08	12

▲ Your Result	1.120	SDI	0.04
		RMSDI	Too Few
■ Mean for Comparison	1.117	TS	120
		RMTS	Too Few
		%DEV	0.3
		RM%DEV	Too Few

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



Method	N	Mean	CV%	U <sub>m</sub>
Roche Cobas 6000/8000	254	1.098	4.2	0.00
Abbott Architect	235	1.088	5.4	0.00
Roche Cobas 4000/e411	121	1.117	5.3	0.01
Siemens Centaur XP/XPT/Classic	119	1.191	5.1	0.01
Beckman DXI standardised to Hybritech	97	1.509	5.2	0.01
BioMerieux VIDAS	37	1.547	7.8	0.02
Siemens/DPC Immulite 2000/2500	34	0.919	7.9	0.02
Beckman Access standardised to Hybritech	30	1.551	5.2	0.02
Roche Elecsys	23	1.096	8.8	0.03
Diasorin Liaison	20	0.397	12.7	0.01
Roche Modular E170	20	1.063	4.3	0.01
SNIBE Maglumi analysers	16	1.128	2.3	0.01
TOSOH	15	0.959	6.9	0.02
Siemens/DPC Immulite 1000	13	0.973	9.3	0.03
Fujirebio Lumipulse G Series	11	0.935	3.3	0.01
Ortho Vitros 3600/5600/ECi PSA II	9	0.964	2.2	0.01
Ortho Vitros 3600/5600/ECi	8	0.915	3.6	0.01
Beckman DXI standard to WHO IRP96/670	6	1.223	4.2	0.03
Siemens Dimension	5	1.058	2.2	0.01
CIS, RIA coated tube	4	0.852	1.6	0.01
Beckman Access standard to WHO IRP96/670	3	1.487	6.1	0.07

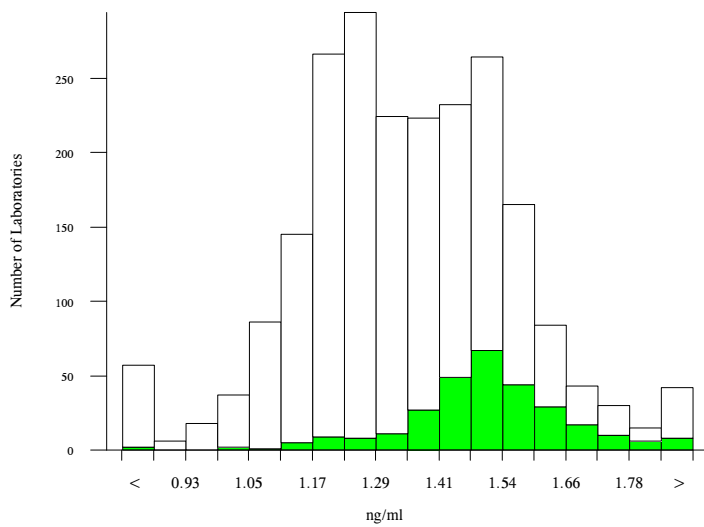


# PSA, Total, ng/ml

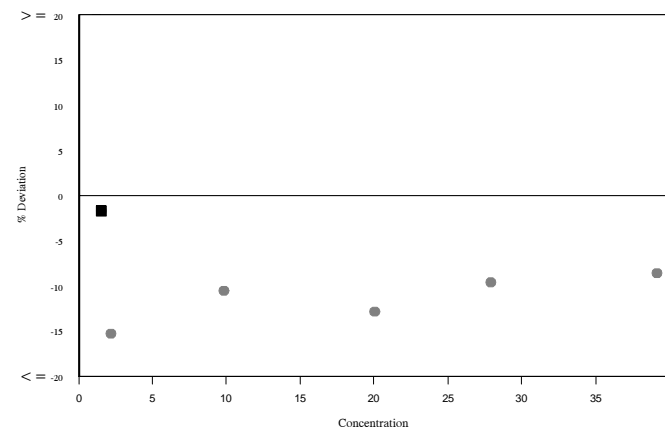
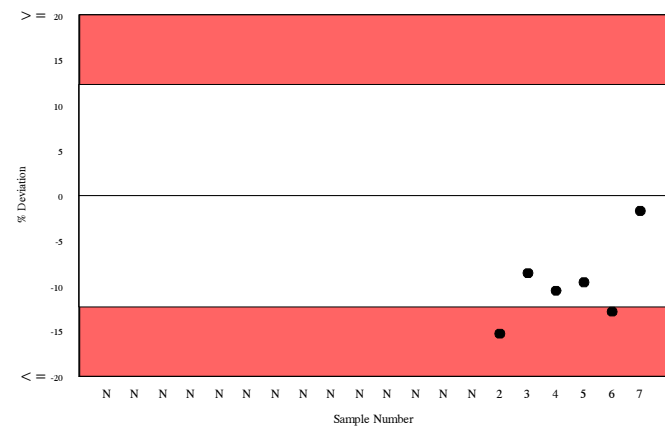
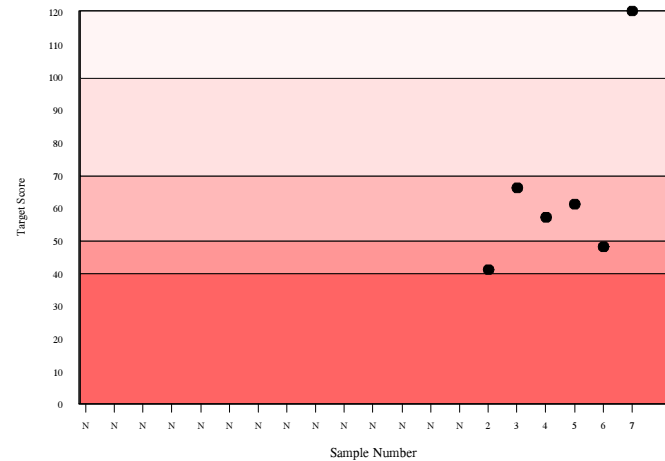
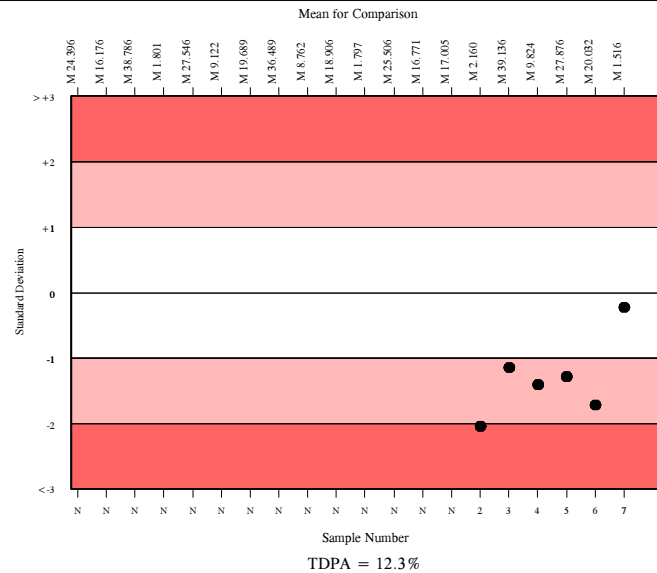
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	2070	1.359	11.9	0.00	0.10	161
Roche Cobas 4000/e411	269	1.516	7.8	0.01	0.11	26

▲ Your Result	1.490	SDI	-0.23
		RMSDI	Too Few
■ Mean for Comparison	1.516	TS	120
		RMTS	Too Few
		%DEV	-1.7
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation	33.6%
Acceptable limits of performance for RIQAS	12.30%



Method	N	Mean	CV%	U <sub>m</sub>
Roche Cobas 6000/8000	450	1.498	5.2	0.00
Abbott Architect	409	1.221	7.0	0.01
Roche Cobas 4000/e411	269	1.516	7.8	0.01
Siemens Centaur XP/XPT/Classic	231	1.238	5.0	0.01
Beckman DXI standardised to Hybritech	141	1.289	4.9	0.01
Beckman Access standardised to Hybritech	66	1.348	6.2	0.01
Roche Elecsys	55	1.506	7.8	0.02
Siemens Immulite 2000/2500, Total PSA	42	1.408	7.6	0.02
bioMerieux, Vidas TPSA	39	1.635	6.5	0.02
Diasorin Liaison	37	0.353	17.4	0.01
Ortho Vitros 3600/5600/ECi PSA II	37	1.302	3.9	0.01
Siemens Centaur CP	31	1.171	5.0	0.01
Tosoh	31	0.990	11.1	0.02
Siemens Immulite 1000, Total PSA	28	1.251	7.6	0.02
SNIBE Maglumi analysers	25	1.424	6.1	0.02
Roche Modular E170	22	1.469	3.3	0.01
Ortho Vitros 3600/5600/ECi	20	1.294	7.5	0.03
Beckman DXI standard to WHO IRP96/670	18	1.110	4.5	0.01
Beckman Access standard to WHO IRP96/670	18	1.330	11.8	0.05
bioMerieux, Vidas	17	1.636	8.0	0.04
CIS, RIA coated tube	12	1.528	11.3	0.06



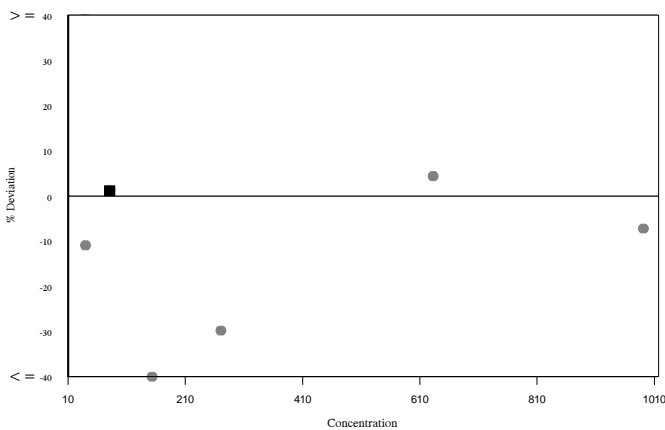
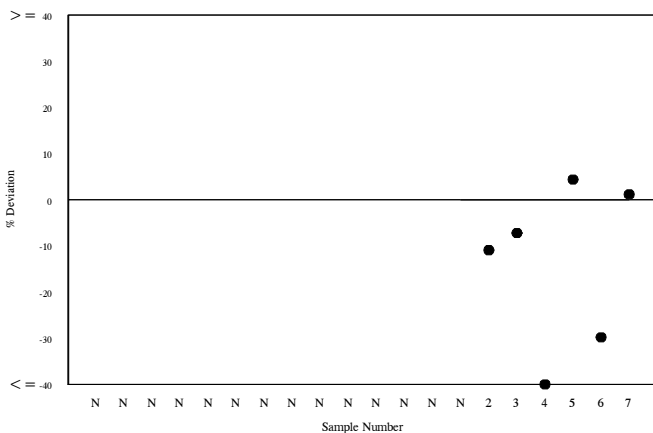
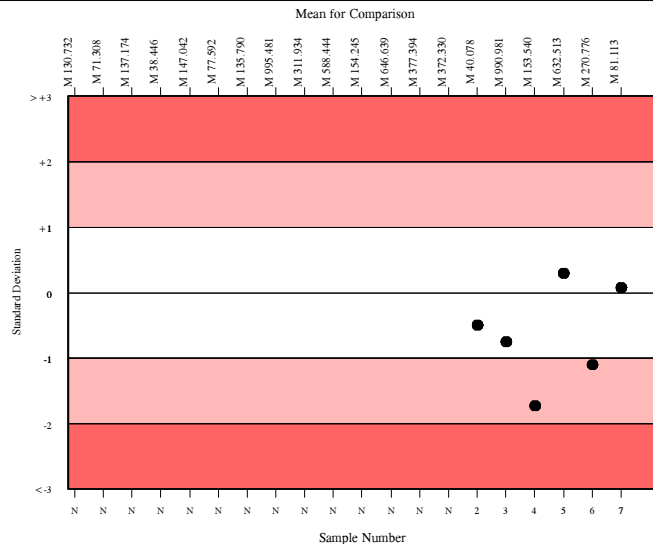
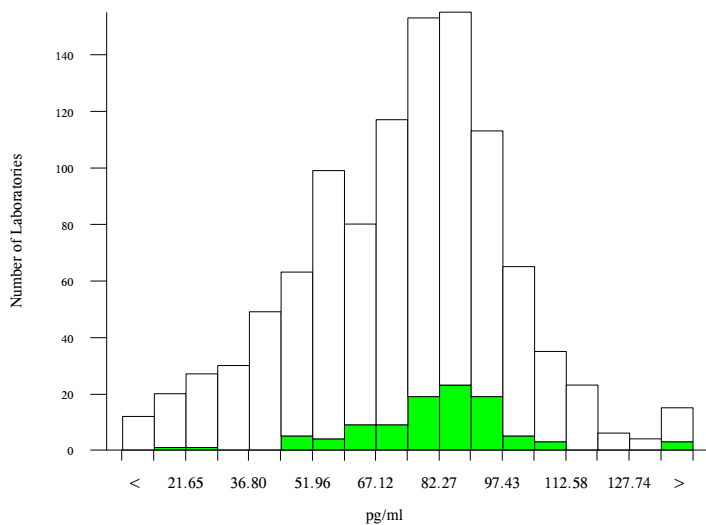
**RIQAS**

# Parathyroid hormone, pg/ml

	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	990	74.698	27.1	0.80	20.21	76
Roche Cobas 4000/e411 PTH/PTH STAT	92	81.113	15.9	1.69	12.94	9

▲ Your Result	82.050	SDI	0.07
		RMSDI	Too Few
■ Mean for Comparison	81.113	TS	N/A
		RMTS	N/A
		%DEV	1.2
		RM%DEV	Too Few

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



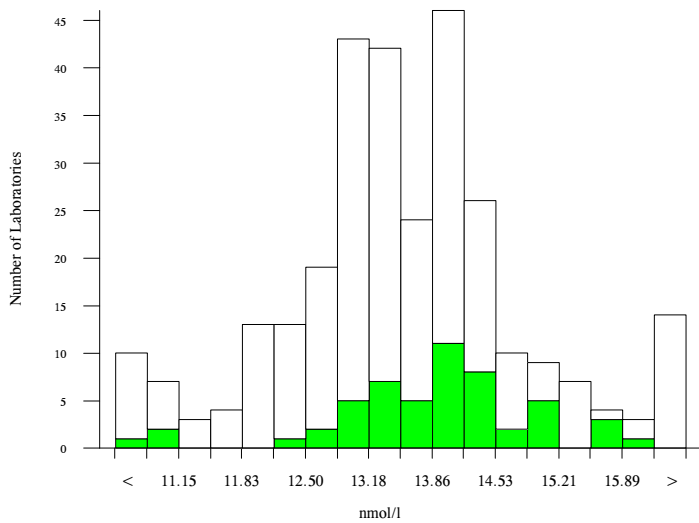
Method	N	Mean	CV%	U <sub>m</sub>
Roche Cobas 6000/8000 PTH/PTH STAT	181	85.920	12.6	1.00
Abbott Architect	137	81.775	16.6	1.45
Siemens Centaur XP/XPT/Classic	102	68.497	25.3	2.15
Roche Cobas 4000/e411 PTH/PTH STAT	92	81.113	15.9	1.69
Beckman DxI 600 / 800	93	46.108	22.7	1.36
Roche Cobas 6000/8000 PTH (1-84)	65	79.820	23.2	2.87
Roche Cobas 4000/e411 PTH (1-84)	65	78.821	23.6	2.88
Siemens/DPC Immulite 2000	49	96.998	21.5	3.72
Roche Elecsys PTH/PTH STAT	31	77.967	18.8	3.29
DiaSorin, Liaison 1-84 PTH	22	28.485	31.4	2.38
Beckman Access/LXi725	22	47.428	17.7	2.23
SNIBE Maglumi analysers	14	58.609	6.6	1.29
Ortho Vitros 3600/5600/ECi	18	64.098	18.5	3.49
Tosoh	16	56.012	21.1	3.69
Roche Modular E170 PTH/PTH STAT	11	78.626	9.7	2.86
DiaSorin, Liaison N-TACT PTH II	10	81.580	20.6	6.65
Siemens/DPC Immulite 1000	9	96.737	22.9	9.23
Siemens Centaur CP	7	76.486	11.9	4.30
CIS IRMA	6	55.431	19.9	5.63
Roche Elecsys PTH (1-84)	6	75.107	11.2	4.28
Roche Modular E170 PTH (1-84)	6	80.156	27.9	11.42

# Sex Hormone Binding Globulin, nmol/l

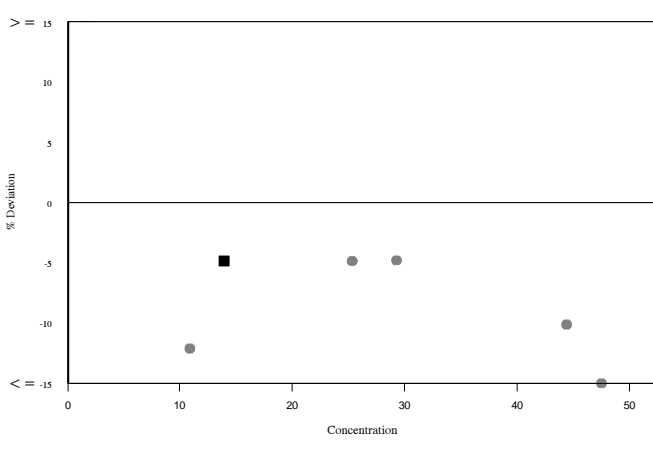
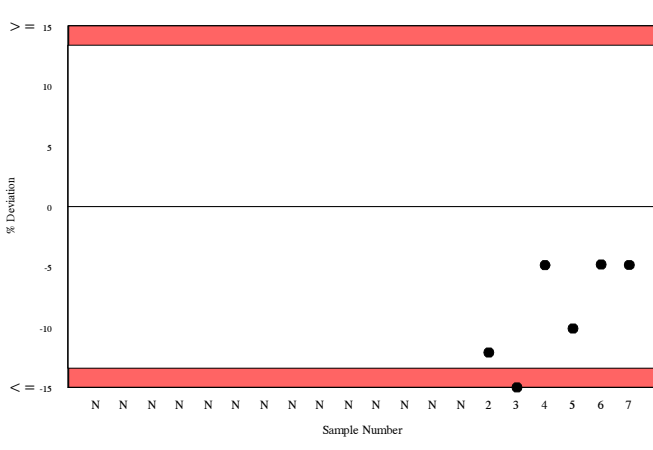
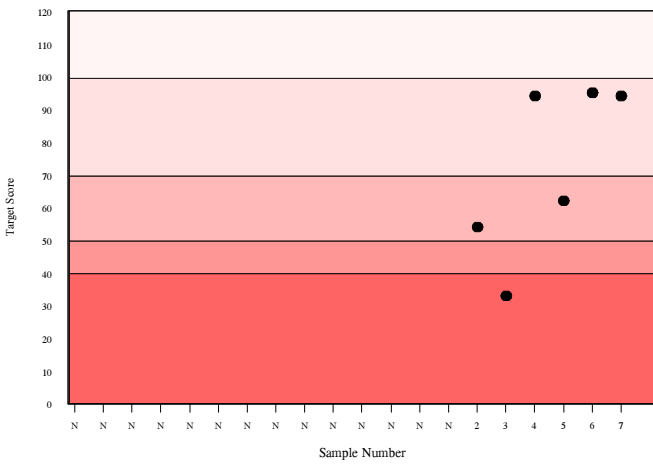
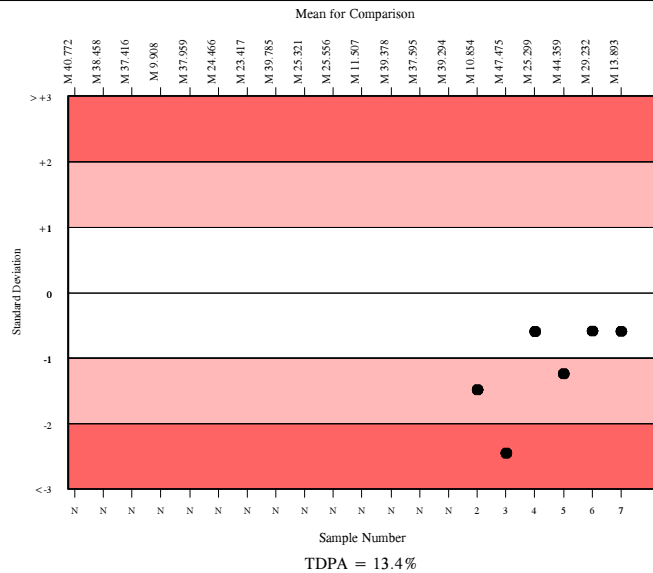
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	264	13.523	6.7	0.07	1.10	33
Roche Cobas 4000/e411	46	13.893	4.7	0.12	1.13	7

▲ Your Result	13.220	SDI RMSDI	-0.59 Too Few
■ Mean for Comparison	13.893	TS RMTS	94 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	69	13.439	4.4	0.09
Roche Cobas 4000/e411	46	13.893	4.7	0.12
Abbott Architect	43	13.667	8.4	0.22
Siemens/DPC Immulite 2000/2500	40	13.631	5.8	0.16
Beckman DXI 600 / 800	24	12.931	8.4	0.28
Siemens Centaur (Ref 06520781)	13	15.011	18.5	0.96
Roche Modular E170	12	13.189	5.2	0.25
Siemens Centaur (Ref 10997191)	9	11.536	5.4	0.26
Siemens/DPC Immulite 1000	8	13.013	5.1	0.30
Roche Elecsys	5	12.904	14.2	1.02
ELISA	2	12.500	17.0	1.87
Beckman Access	2	13.400	5.3	0.62



**RIQAS**

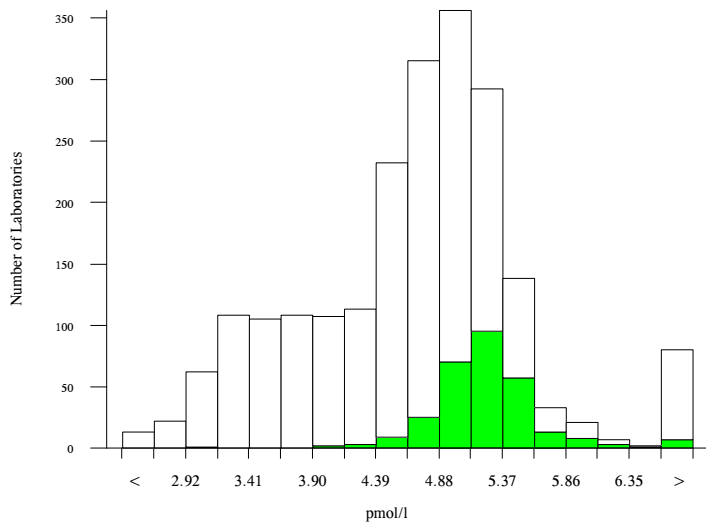


# Free T3, pmol/l

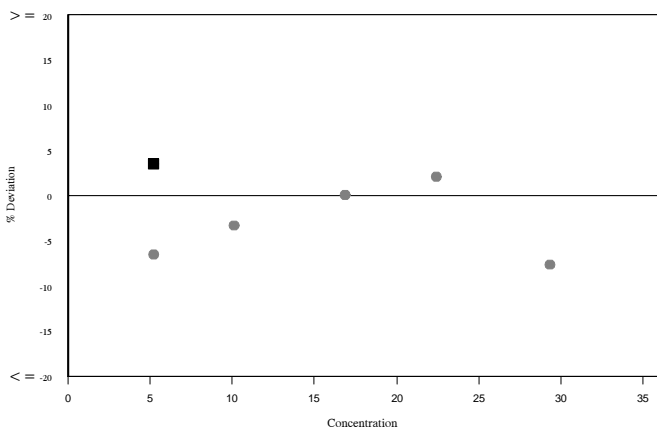
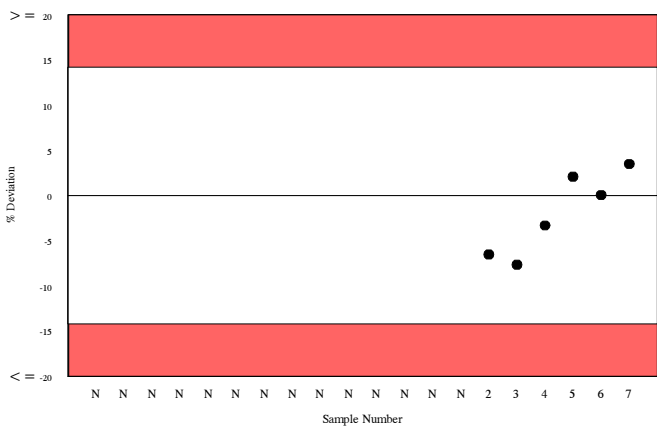
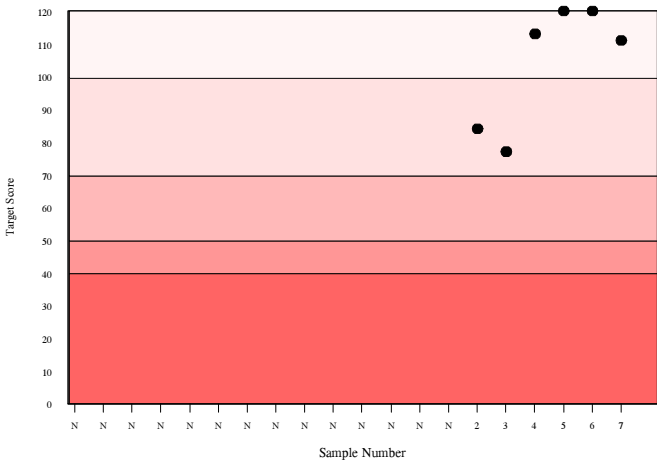
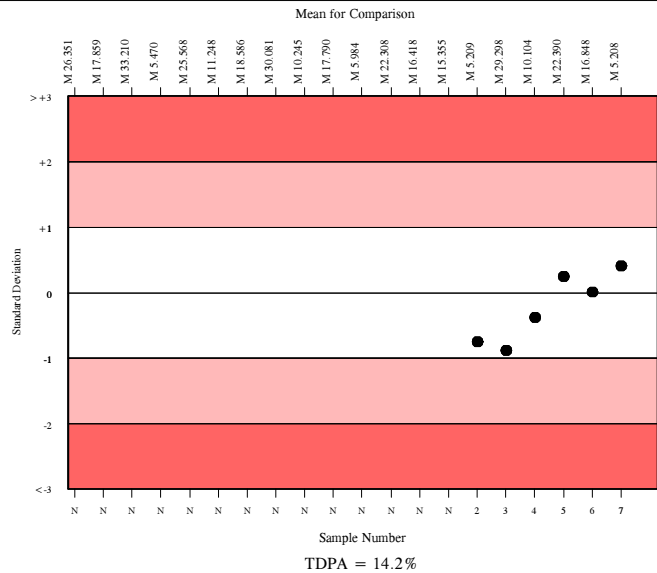
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	1944	4.637	14.1	0.02	0.40	170
Roche Cobas 4000/e411	267	5.208	5.2	0.02	0.45	27

▲ Your Result	5.390	SDI	0.41
		RMSDI	Too Few
■ Mean for Comparison	5.208	TS	111
		RMTS	Too Few
		%DEV	3.5
		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	435	5.062	4.5	0.01
Abbott Architect	356	3.520	9.6	0.02
Roche Cobas 4000/e411	267	5.208	5.2	0.02
Siemens Centaur XP/XPT/Classic	239	4.693	4.0	0.02
Beckman DxI 600 / 800	154	4.563	7.1	0.03
Roche Elecsys	66	5.190	6.4	0.05
Beckman Access/LXi725	64	4.621	6.4	0.05
BioMerieux VIDAS	57	4.263	8.2	0.06
Ortho Vitros 3600/5600/ECi	51	10.617	7.9	0.15
Diasorin Liaison	48	4.006	7.6	0.05
Siemens/DPC Immulite 2000/2500	45	4.034	13.8	0.10
Siemens Centaur CP	36	4.920	3.6	0.04
Tosoh	32	4.861	11.7	0.13
SNIBE Maglumi analysers	24	3.097	4.1	0.03
Roche Modular E170	23	5.170	3.0	0.04
Siemens/DPC Immulite 1000	15	3.771	13.7	0.17
Fujirebio Lumipulse G Series	7	5.010	4.0	0.09
Siemens Dimension Vista LOCI	4	4.072	4.3	0.11
Siemens Dimension	3	4.096	3.7	0.11
Brahms, RIA	2	5.649	23.8	1.19
Siemens Dimension Exl LOCI	2	4.195	3.6	0.13

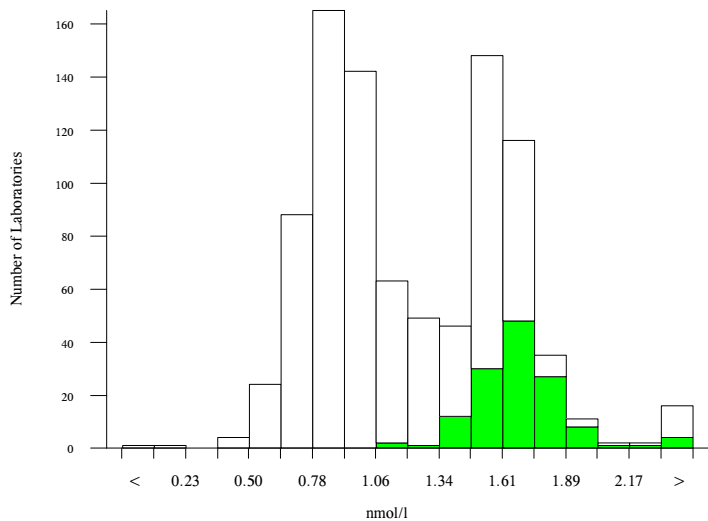


# Total T3, nmol/l

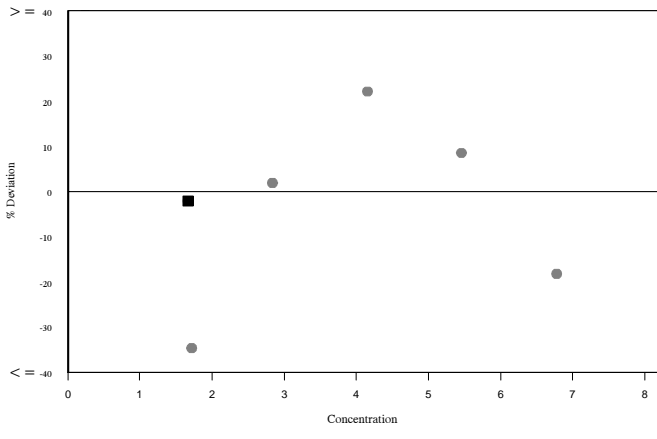
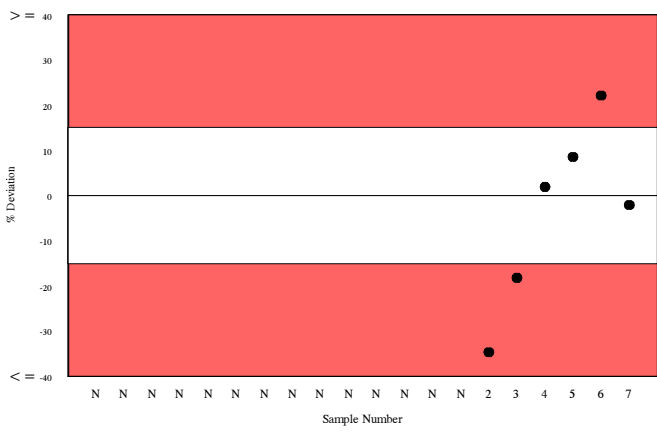
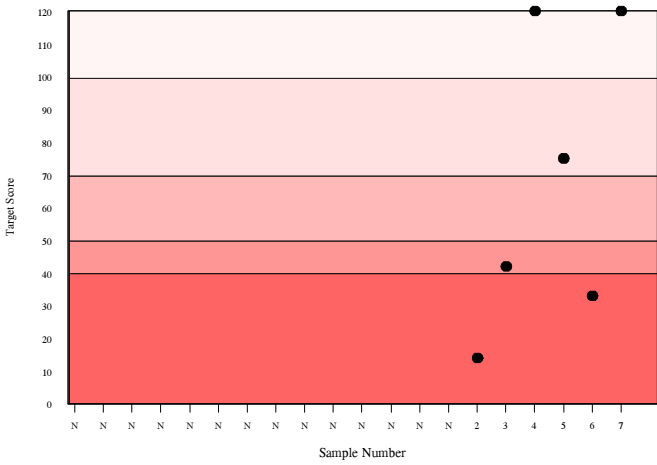
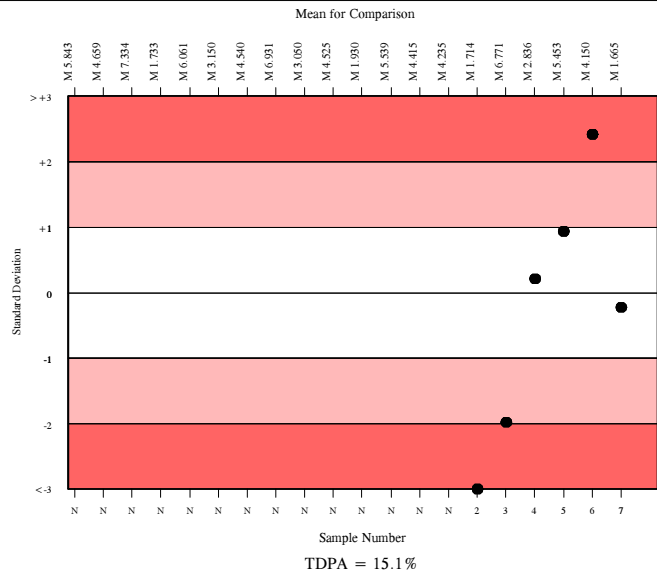
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	887	1.202	30.7	0.02	0.11	33
Roche Cobas 4000/e411	119	1.665	7.7	0.01	0.15	15

▲ Your Result	1.630	SDI	-0.23
		RMSDI	Too Few
■ Mean for Comparison	1.665	TS	120
		RMTS	Too Few
		%DEV	-2.1
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation	9.22%
Acceptable limits of performance for RIQAS	15.10%



Method	N	Mean	CV%	U <sub>m</sub>
Abbott Architect	185	0.953	8.8	0.01
Roche Cobas 6000/8000	174	1.585	4.9	0.01
Roche Cobas 4000/e411	119	1.665	7.7	0.01
Siemens Centaur XP/XPT/Classic	81	0.860	11.0	0.01
Ortho Vitros 3600/5600/ECi	37	1.270	3.9	0.01
Siemens/DPC Immulite 2000/2500	29	0.687	9.0	0.01
Beckman Dxi600 / 800	35	1.157	10.4	0.03
Beckman Access/LXi725	23	1.247	17.2	0.06
bioMerieux, VIDAS	24	0.801	14.2	0.03
Siemens Centaur CP	20	0.888	13.1	0.03
SNIBE Maglumi analysers	19	0.741	4.7	0.01
Siemens/DPC Immulite 1000	14	0.666	9.2	0.02
Roche Elecsys	11	1.640	7.3	0.05
Roche Modular E170	12	1.590	5.9	0.03
CIS, RIA coated tube	10	0.863	4.5	0.02
Diasorin Liaison	10	0.976	8.2	0.03
Tosoh	6	0.870	7.5	0.03
Immunotech RIA	7	0.790	8.0	0.03
Monobind Inc. ELISA	5	1.197	31.3	0.21
ELISA	2	1.612	74.0	1.05



**RIQAS**  
PROFICIENCY TESTING

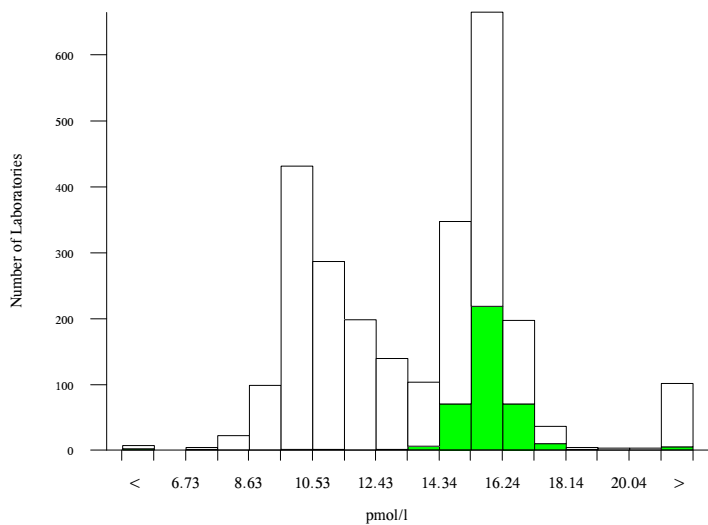


# Free T4, pmol/l

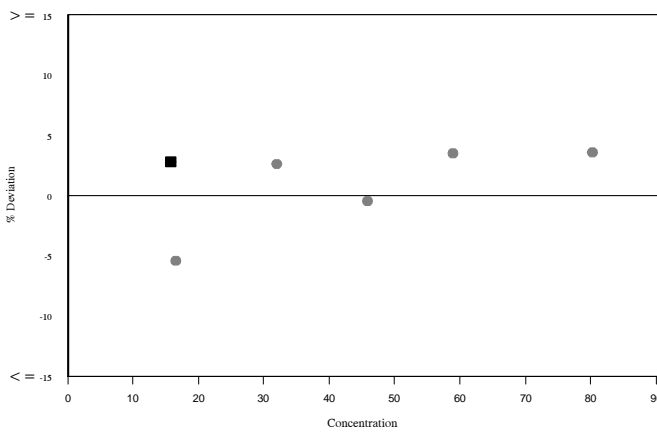
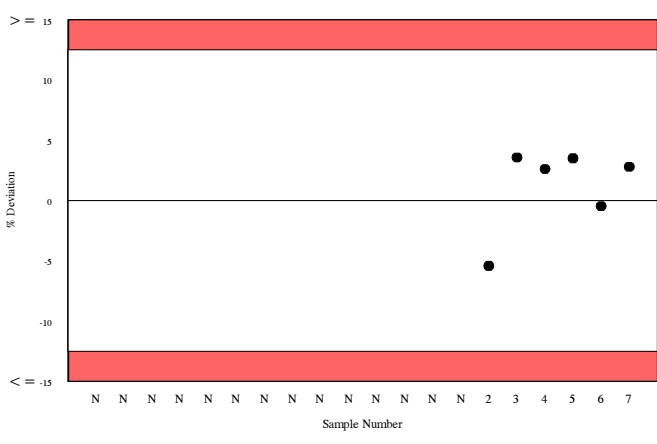
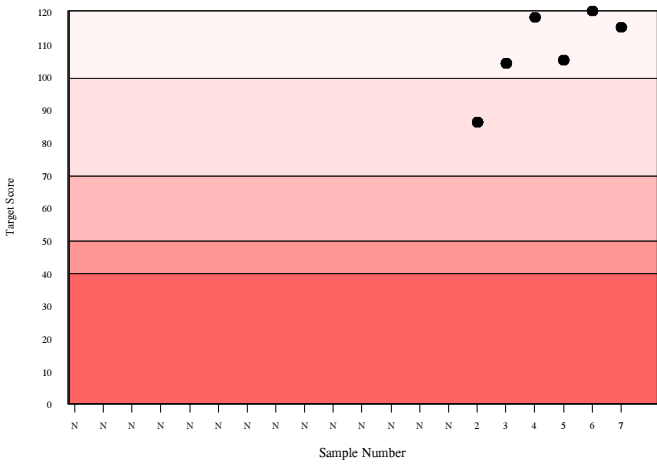
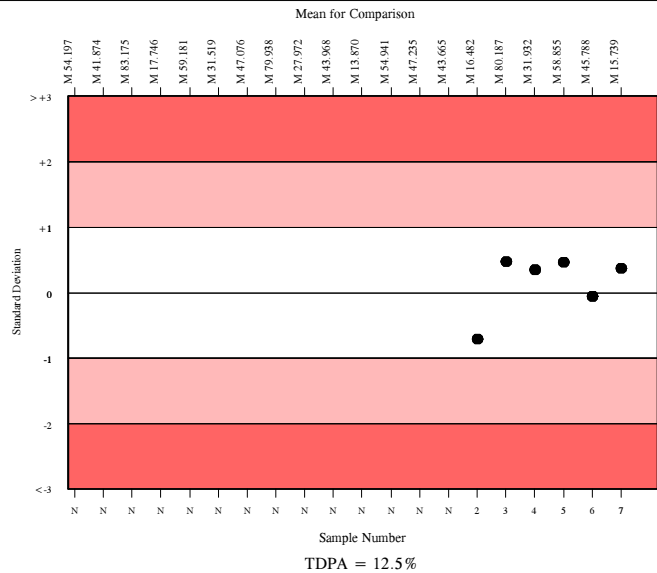
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	2516	13.389	18.9	0.06	1.02	128
Roche Cobas 4000/e411	350	15.739	3.3	0.04	1.20	36

<b>▲ Your Result</b>	16.180	SDI	0.37
		RMSDI	Too Few
<b>■ Mean for Comparison</b>	15.739	TS	115
		RMTS	Too Few
		%DEV	2.8
		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	538	15.595	3.1	0.03
Abbott Architect	450	10.394	4.2	0.03
Roche Cobas 4000/e411	350	15.739	3.3	0.04
Siemens Centaur XP/XPT/Classic	261	10.066	8.4	0.07
Beckman DxI 600 / 800	194	12.062	6.1	0.07
Beckman Access/LXi725	89	12.400	6.0	0.10
Roche Elecsys	74	15.651	3.7	0.08
Ortho Vitros 3600/5600/ECi	74	26.751	4.6	0.18
Siemens/DPC Immulite 2000/2500	68	15.944	5.2	0.13
bioMerieux, VIDAS-FT4N Kit	61	14.283	6.6	0.15
Diasorin Liaison	55	14.627	6.7	0.16
Siemens Centaur CP	47	10.514	8.3	0.16
Siemens/DPC Immulite 1000	39	15.557	5.9	0.18
Tosoh	37	12.891	8.2	0.22
SNIBE Maglumi analysers	27	14.192	5.3	0.18
Roche Modular E170	26	15.760	3.9	0.15
CIS, RIA coated tube	10	12.869	11.8	0.60
Fujirebio Lumipulse G Series	8	9.102	4.1	0.16
Immunatec IRMA	8	13.149	9.3	0.54
Siemens Dimension Vista LOCI	5	12.529	2.3	0.16
Monobind Inc. ELISA / CLIA	5	11.379	33.4	2.13

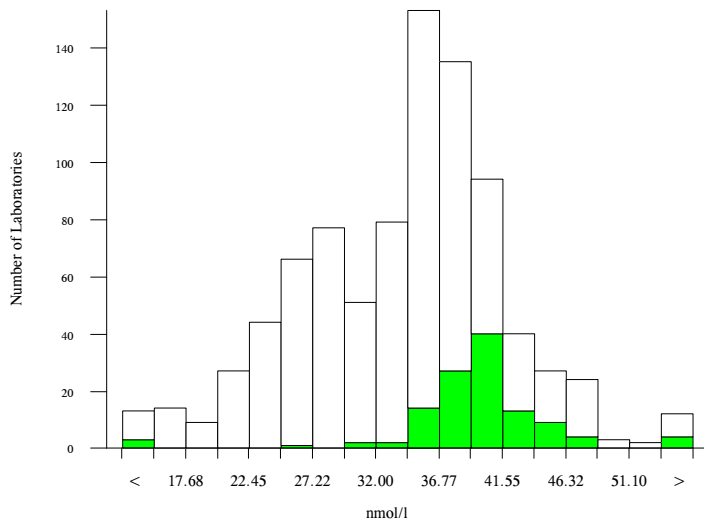


# Total T4, nmol/l

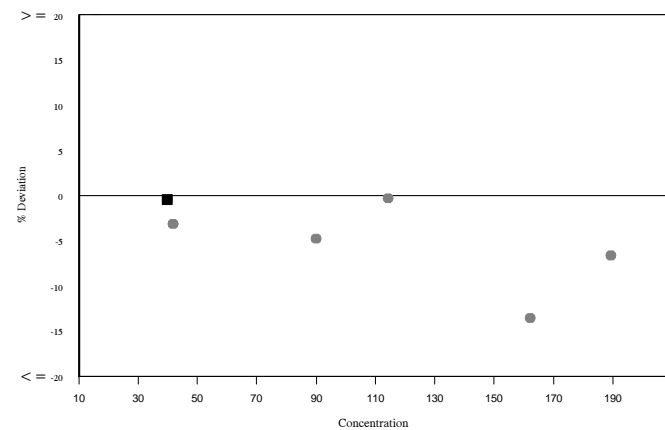
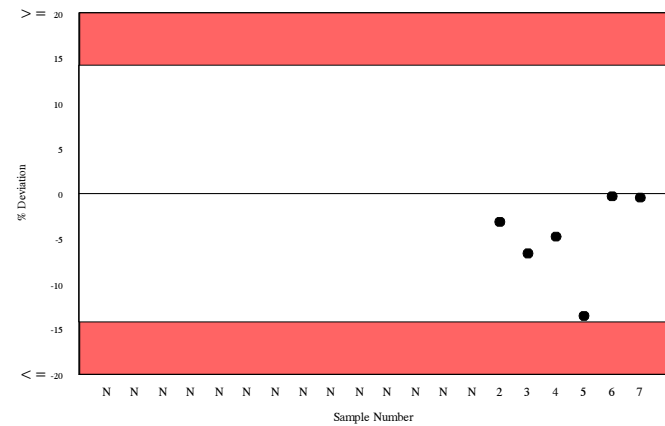
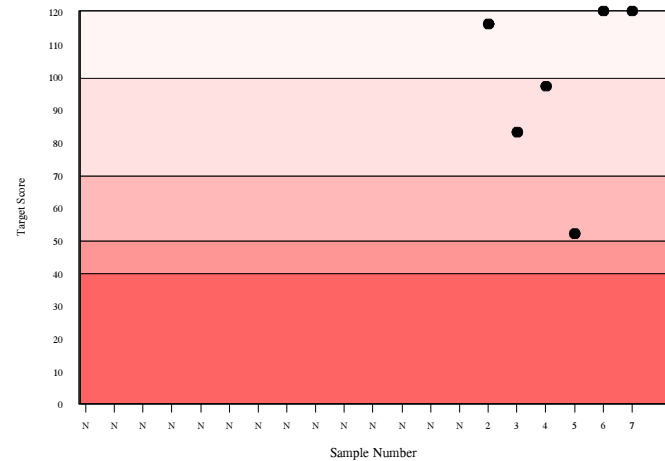
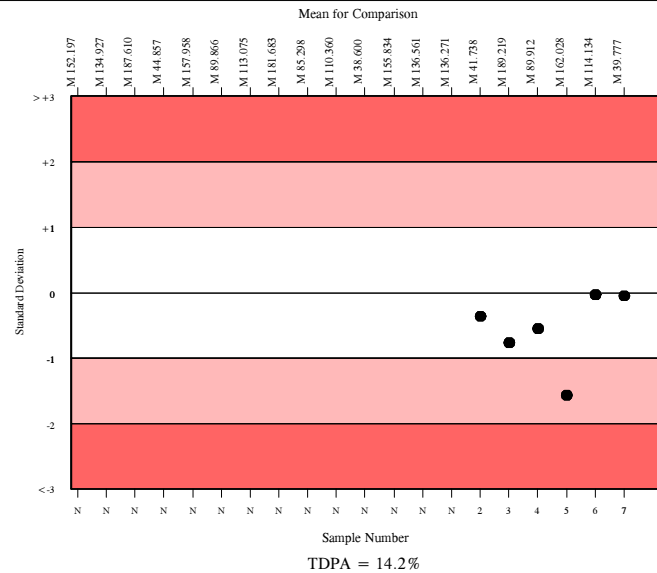
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	819	34.391	18.5	0.28	2.97	51
Roche Cobas 4000/e411	103	39.777	6.5	0.32	3.43	16

▲ Your Result	39.600	SDI	-0.05
		RMSDI	Too Few
■ Mean for Comparison	39.777	TS	120
		RMTS	Too Few
		%DEV	-0.4
		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	173	37.410	9.7	0.35
Roche Cobas 6000/8000	158	36.118	5.5	0.20
Roche Cobas 4000/e411	103	39.777	6.5	0.32
Siemens Centaur XP/XPT/Classic	79	28.649	15.4	0.62
Siemens/DPC Immulite 2000/2500	50	24.584	15.5	0.67
Ortho Vitros 3600/5600/ECi	33	28.854	5.5	0.34
Beckman Dxi 600 / 800	28	22.301	15.8	0.83
bioMerieux, VIDAS	26	34.932	8.7	0.75
SNIBE Maglumi analysers	20	46.694	2.4	0.31
Siemens Centaur CP	17	28.066	8.9	0.76
Beckman Access/LXi725	20	25.968	19.0	1.38
Siemens/DPC Immulite 1000	15	24.445	9.6	0.76
Roche Elecsys	9	38.611	5.0	0.80
Diasorin Liaison	9	31.059	13.0	1.68
Roche Modular E170	7	35.025	1.7	0.28
CIS, RIA coated tube	7	30.383	6.9	0.98
Tosoh	7	26.006	6.8	0.84
Immunotech RIA	6	29.234	5.0	0.75
Monobind Inc. ELISA / CLIA	5	30.947	48.3	8.36
ELISA	3	39.911	5.2	1.51
Fujirebio Lumipulse G Series	2	53.579	20.6	9.76



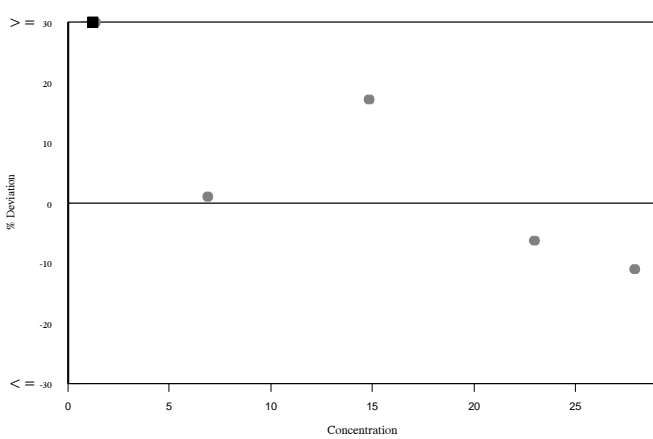
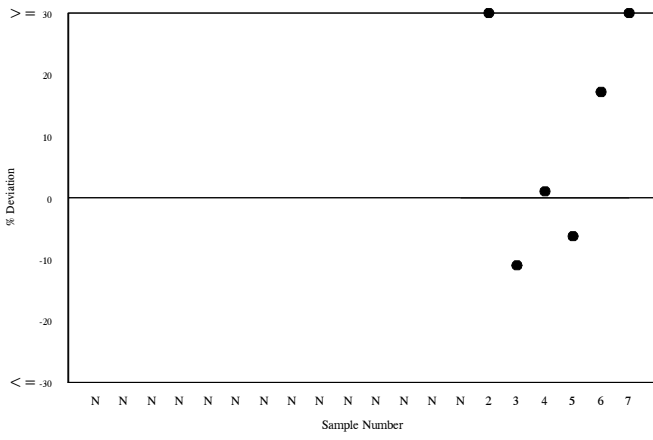
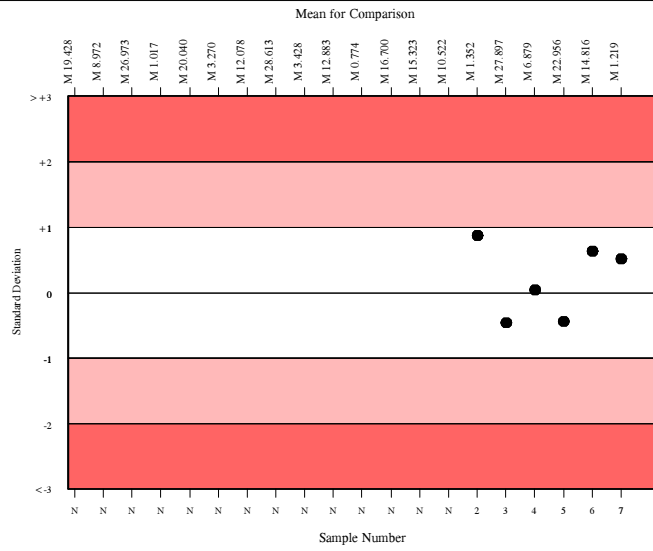
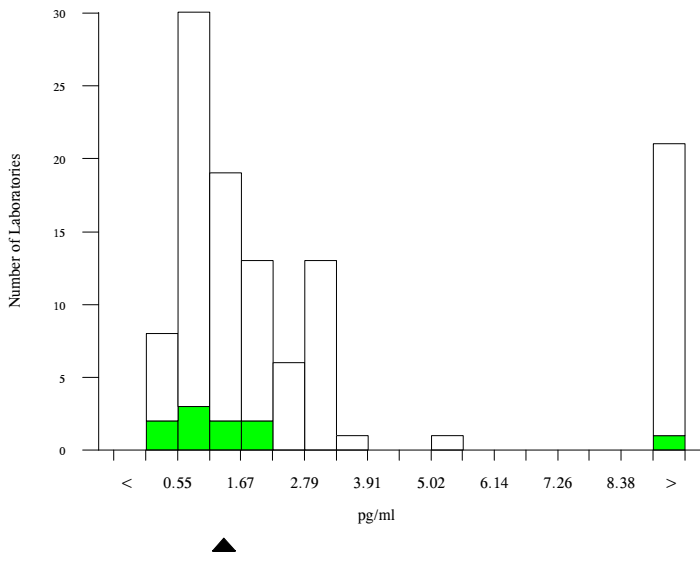
**RIQAS**

# Free Testosterone (Pilot), pg/ml

	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	92	2.027	113.6	0.30	2.30	21
IBL ELISA	8	1.219	54.1	0.29	0.72a	2

▲ Your Result	1.590	SDI	0.51
		RMSDI	Too Few
■ Mean for Comparison	1.219	TS	N/A
		RMTS	N/A
		%DEV	30.4
		RM%DEV	Too Few

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



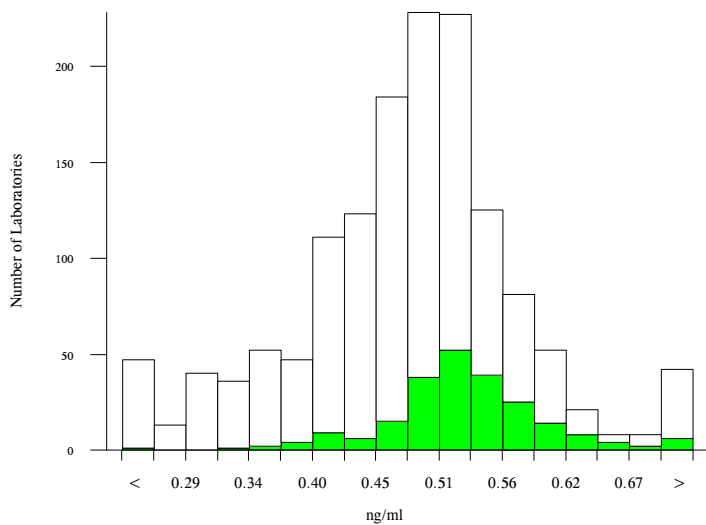
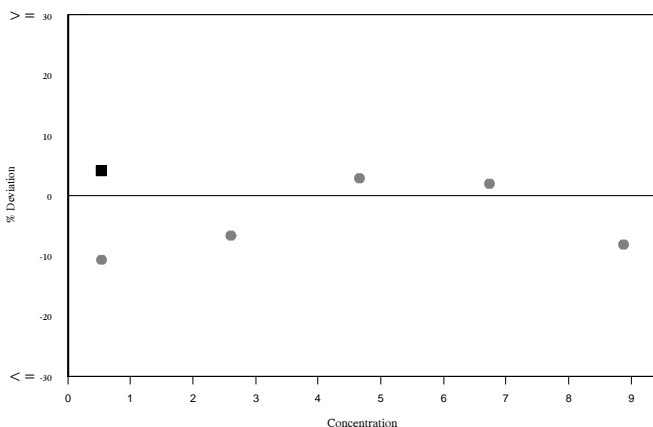
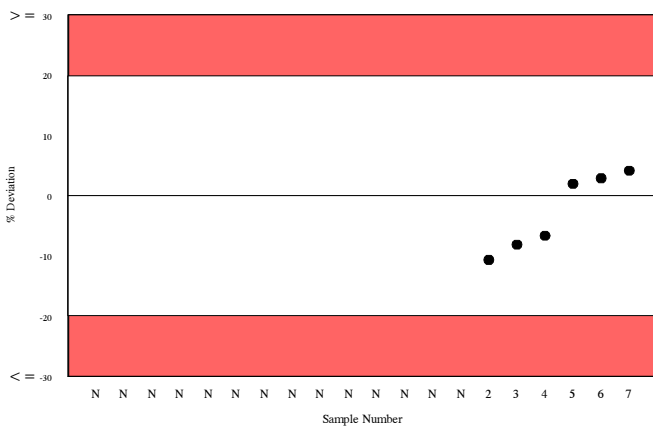
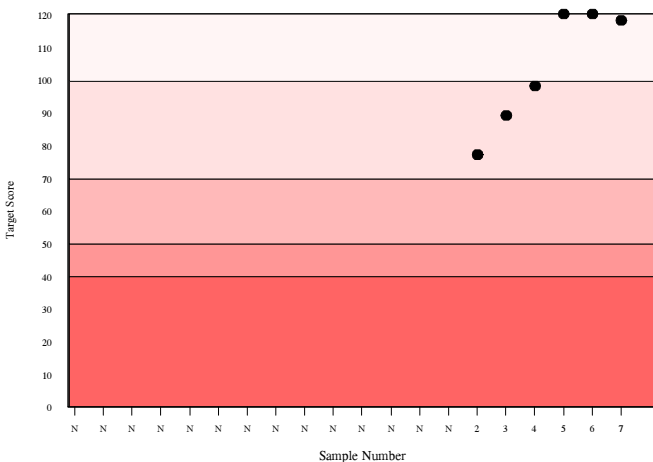
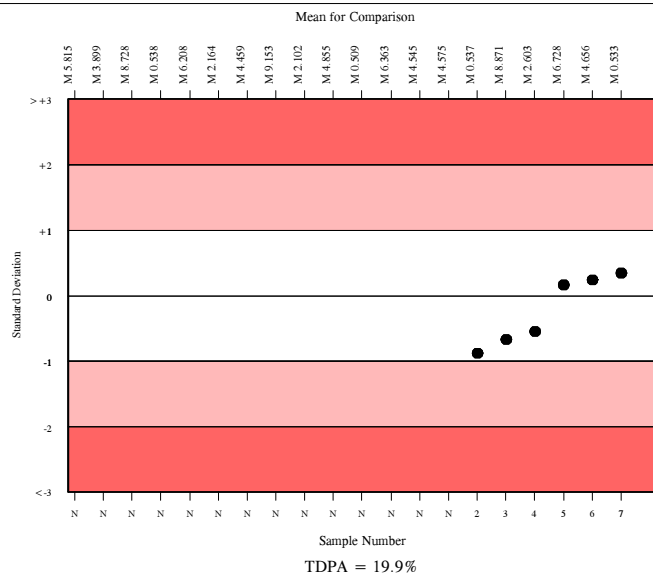
Method	N	Mean	CV%	U <sub>m</sub>
SNIBE Maglumi analysers	15	2.980	11.4	0.11
DRG, ELISA	13	0.741	28.4	0.07
Calculated	11	13.740	5.2	0.27
Monobind Inc. ELISA / CLIA	12	1.347	18.5	0.09
IBL ELISA	8	1.219	54.1	0.29
DIAsource, RIA	6	1.795	20.8	0.19
ELISA	6	0.695	67.6	0.24
Novatec ELISA	5	1.077	36.9	0.22
Roche Cobas 4000/e411	2	14.723	2.5	0.33
Roche Cobas 6000/8000	2	12.680	3.2	0.36
Diametra ELISA	3	1.040	30.9	0.23
DSL/Beckman Coulter, RIA	3	1.423	39.3	0.40
Diasorin, RIA	2	1.250	5.7	0.06
DIAsource ELISA	2	0.905	32.0	0.26

# Testosterone, ng/ml

	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	1332	0.486	15.1	0.00	0.06	117
Roche Cobas 4000/e411 Test II	203	0.533	9.0	0.00	0.06	24

▲ Your Result	0.555	SDI RMSDI	0.34 Too Few
■ Mean for Comparison	0.533	TS RMTS	118 Too Few
		%DEV RM%DEV	4.1 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	0.518	7.8	0.00
Roche Cobas 4000/e411 Test II	203	0.533	9.0	0.00
Abbott Architect	167	0.452	7.8	0.00
Siemens Centaur XP/XPT/Classic TSTO	106	0.480	13.6	0.01
Beckman DxI 600 / 800	107	0.520	8.3	0.01
Abbott Architect 2nd gen	65	0.460	6.8	0.00
Siemens/DPC Immulite 2000/2500	47	0.424	16.5	0.01
bioMerieux VIDAS Testosterone II	45	0.322	10.8	0.01
Roche Elecsys Test II	46	0.523	10.4	0.01
Beckman Access/LXi725	31	0.523	9.2	0.01
Ortho Vitros 3600/5600/ECi	29	0.364	11.6	0.01
bioMerieux, VIDAS	24	0.326	10.0	0.01
Siemens Centaur XP/XPT/Classic TSTII	21	0.478	5.0	0.01
TOSOH	19	0.373	15.1	0.02
Roche Modular E170 Test II	22	0.523	8.5	0.01
SNIBE Maglumi analysers	21	0.219	16.8	0.01
Siemens/DPC Immulite 1000	13	0.452	26.8	0.04
Diasorin Liaison	14	0.264	39.4	0.03
Siemens Centaur CP	11	0.588	11.5	0.03
CIS, RIA Coated tube	7	0.461	16.4	0.04
Fujirebio Lumipulse G Series	5	0.495	29.0	0.08



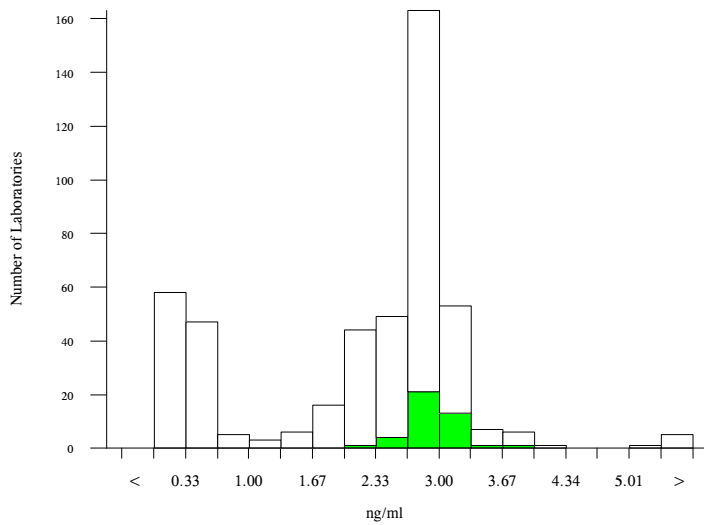
**RIQAS**

# Thyroglobulin, ng/ml

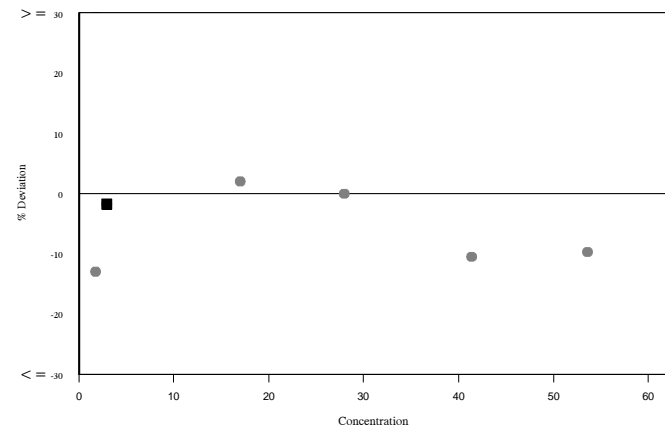
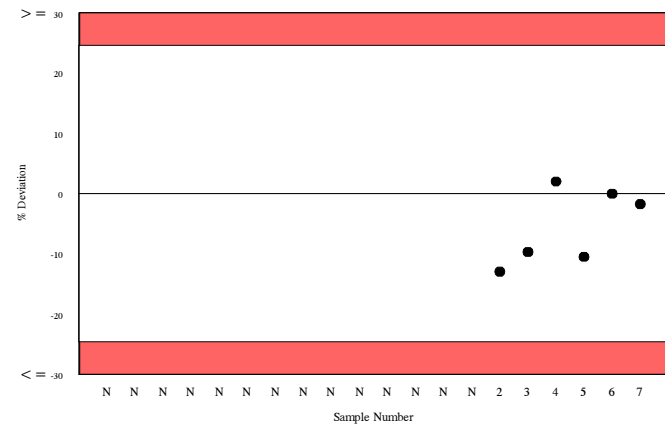
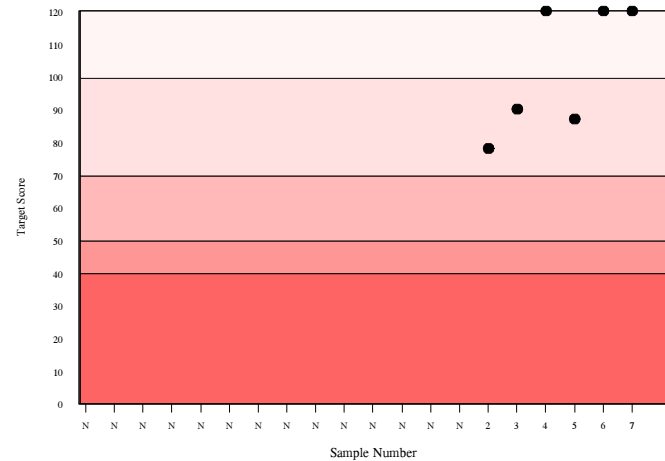
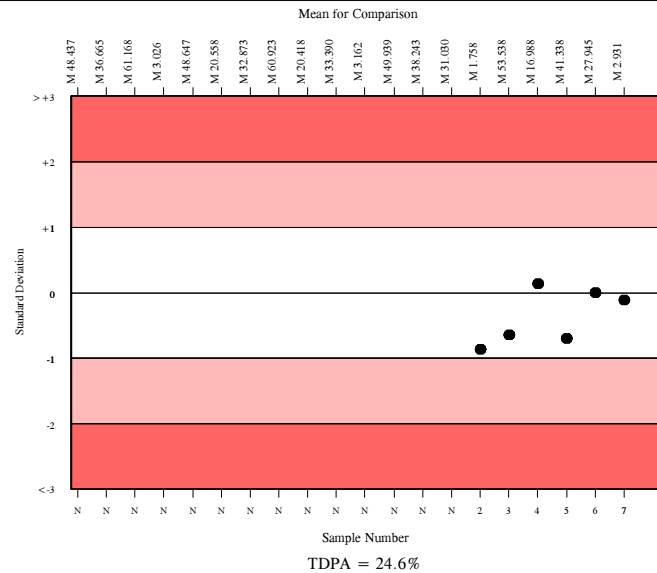
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	456	2.152	49.5	0.06	0.32	28
Roche Cobas 4000/e411 TgII	36	2.931	6.1	0.04	0.44	5

▲ Your Result	2.880	SDI	-0.12
		RMSDI	Too Few
■ Mean for Comparison	2.931	TS	120
		RMTS	Too Few
		%DEV	-1.7
		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	72	0.368	33.7	0.02
Roche Cobas 6000/8000 Tg II	68	2.815	4.6	0.02
Roche Cobas 6000/8000	52	2.812	4.9	0.02
Beckman Dxi 600 / 800	43	2.193	5.8	0.02
Roche Cobas 4000/e411	38	2.883	6.9	0.04
Roche Cobas 4000/e411 TgII	36	2.931	6.1	0.04
Diasorin Liaison	18	0.297	18.4	0.02
Tosoh	14	2.958	7.8	0.08
Beckman Access	12	2.338	5.9	0.05
DPC Immulite 1000	8	0.268	43.8	0.05
Roche Elecsys	12	2.837	15.5	0.16
SNIBE Maglumi analysers	9	1.764	1.8	0.01
CIS, RIA coated tube	10	3.526	10.2	0.14
Roche Elecsys Tg II	8	2.820	7.0	0.09
Roche Modular E170 Tg II	6	2.757	2.8	0.04
Roche Modular E170	6	2.825	4.1	0.06
Diesse, Chorus	4	1.425	59.1	0.53
Brahms IRMA	2	1.980	25.7	0.45
ELISA	2	1.205	53.4	0.57

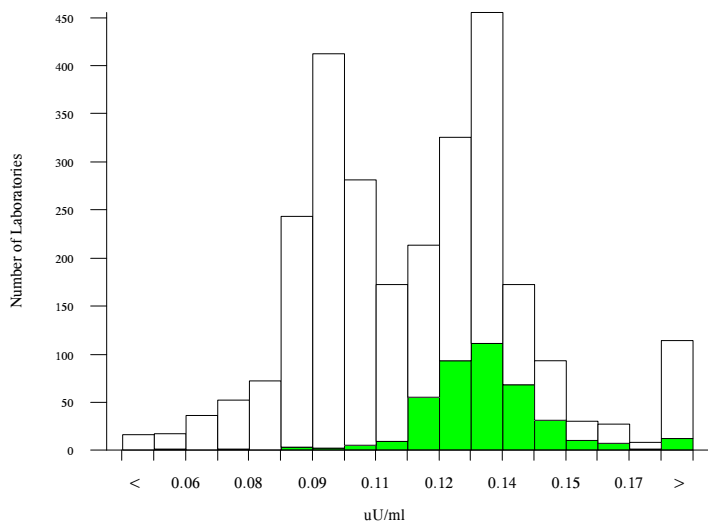


# TSH, uU/ml

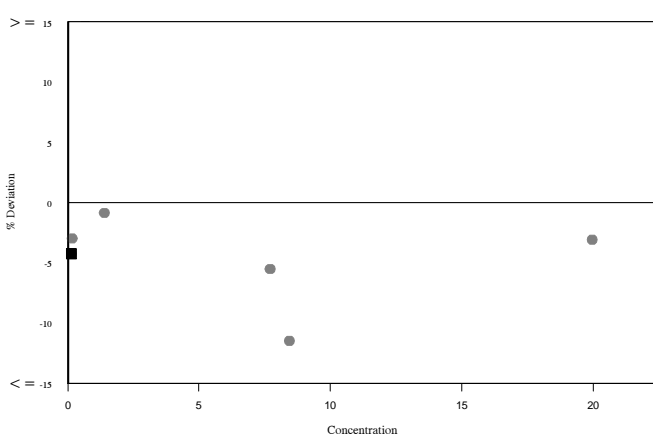
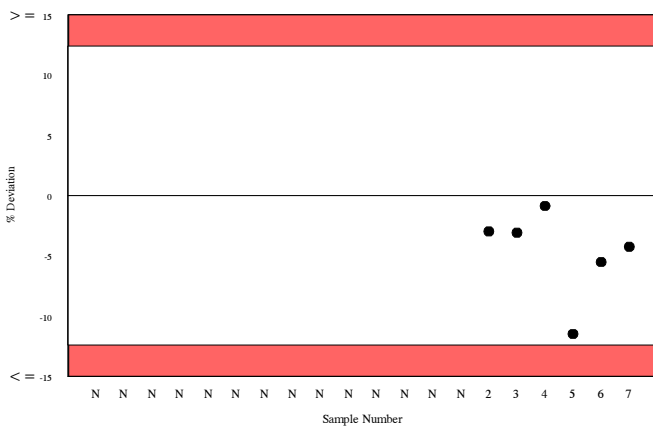
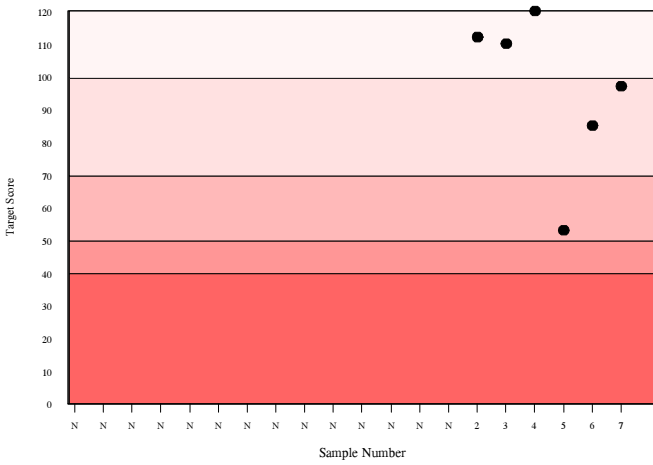
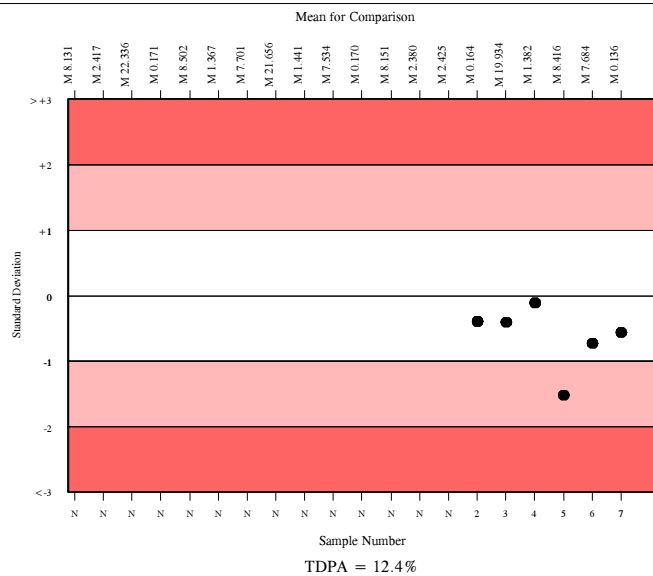
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	2536	0.119	17.2	0.00	0.01	204
Roche Cobas 4000/e411	364	0.136	6.7	0.00	0.01	45

▲ Your Result	0.130	SDI	-0.57
		RMSDI	Too Few
■ Mean for Comparison	0.136	TS	97
		RMTS	Too Few
		%DEV	-4.2
		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	531	0.136	4.0	0.00
Abbott Architect	463	0.101	5.3	0.00
Roche Cobas 4000/e411	364	0.136	6.7	0.00
Siemens Centaur XP/Classic TSH3-Ultra	142	0.113	5.1	0.00
Siemens Centaur XP/XPT/Classic	112	0.110	9.2	0.00
Beckman DxI600/800 Hyper TSH	86	0.090	7.0	0.00
Roche Elecsys	74	0.136	7.2	0.00
Access/LXi725 hyper TSH 3rd gen	73	0.096	11.4	0.00
Beckman DXI600/800/ Access 2 (3rd IS)	74	0.090	5.7	0.00
Ortho Vitros 3600/5600/ECi	73	0.188	17.7	0.00
Siemens/DPC Immulite 2000/2500	62	0.108	8.8	0.00
bioMerieux, VIDAS, TSH	55	0.068	14.3	0.00
Diasorin Liaison	58	0.141	14.6	0.00
Siemens/DPC Immulite 1000	42	0.121	12.1	0.00
Tosoh	42	0.135	11.9	0.00
Siemens Centaur CP	30	0.114	7.7	0.00
Beckman DxI600/800 Fast TSH	27	0.090	3.6	0.00
SNIBE Maglumi analysers	24	0.095	11.0	0.00
Roche Modular E170	26	0.135	5.7	0.00
Siemens Centaur CP TSH3-Ultra	19	0.114	3.2	0.00
CIS, IRMA	17	0.179	23.4	0.01

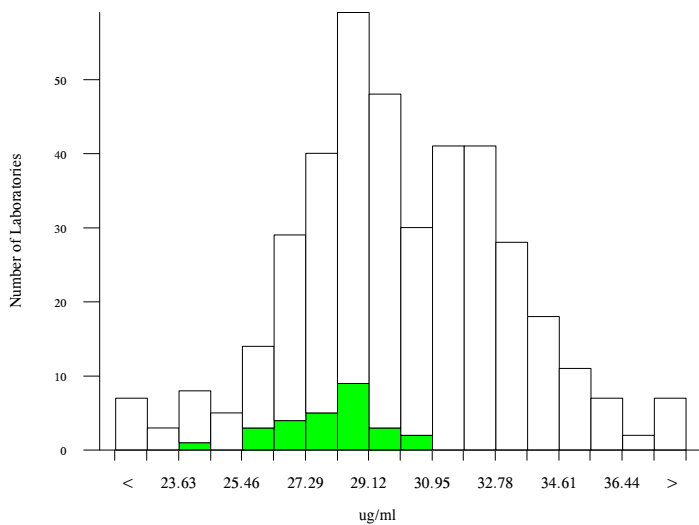


# Valproic acid, ug/ml

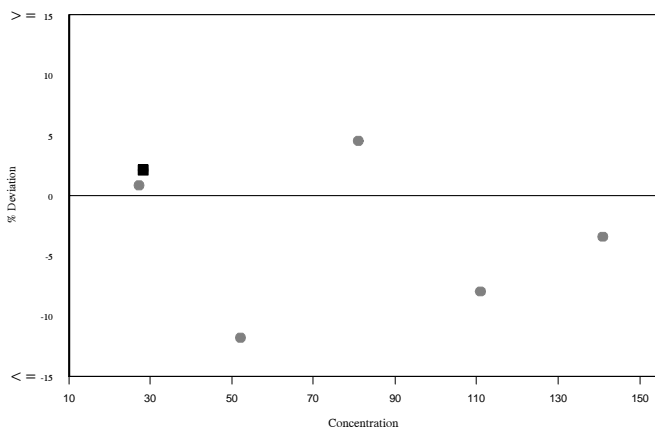
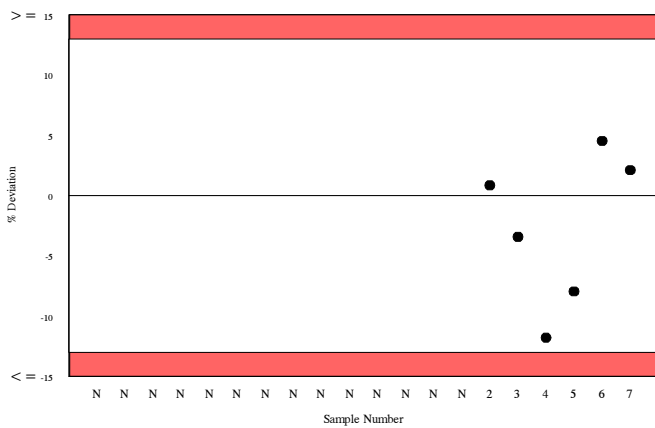
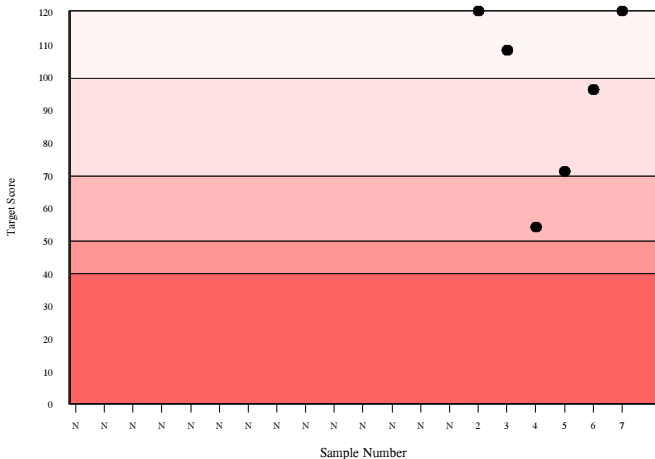
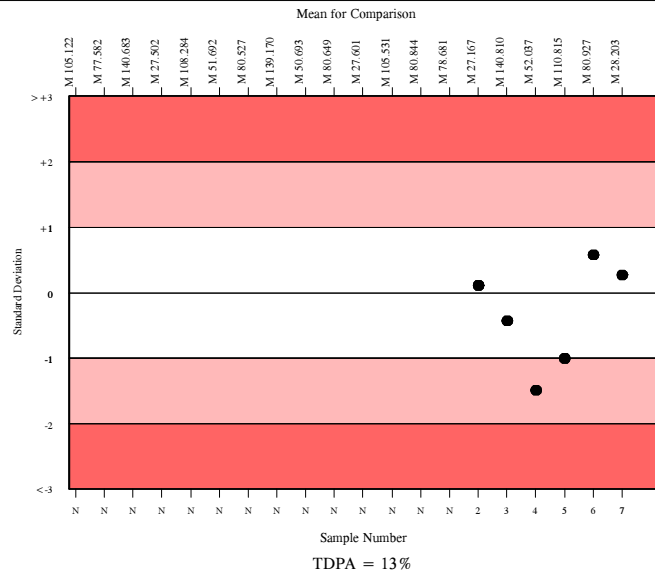
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	367	30.042	8.1	0.16	2.37	32
Siemens/DPC Immulite 2000/2500	26	28.203	4.7	0.32	2.23	1

▲ Your Result	28.800	SDI	0.27
		RMSDI	Too Few
■ Mean for Comparison	28.203	TS	120
		RMTS	Too Few
		%DEV	2.1
		RM%DEV	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 (CMIA)	113	31.679	6.9	0.26
Roche Cobas 6000/8000	69	29.025	6.3	0.28
Siemens Centaur XP/XPT/Classic	28	31.348	6.2	0.46
Siemens/DPC Immulite 2000/2500	26	28.203	4.7	0.32
Beckman AU400/600/640/2700/5400	25	29.921	6.1	0.45
Roche Integra	21	28.911	3.0	0.23
Siemens Dimension	18	30.040	7.7	0.68
Abbott Architect (PETINIA)	14	27.958	11.1	1.04
Siemens/DPC Immulite 1000	13	28.605	5.6	0.56
Ortho Vitros 4600/5600/5.1	11	25.896	5.4	0.53
Beckman DxC	9	23.684	14.6	1.44
Siemens Advia 1200/1650/1800/2400	6	33.217	1.4	0.23
Roche Cobas 4000/c311	7	29.714	5.5	0.77
Siemens Centaur CP	4	36.873	16.5	3.81
Abbott AxSYM	3	29.950	4.8	1.05
Siemens Syva/Emit	2	31.000	9.1	2.50
Roche Modular P/D	2	27.700	8.2	2.00
Randox RX Series	2	34.380	48.9	14.85

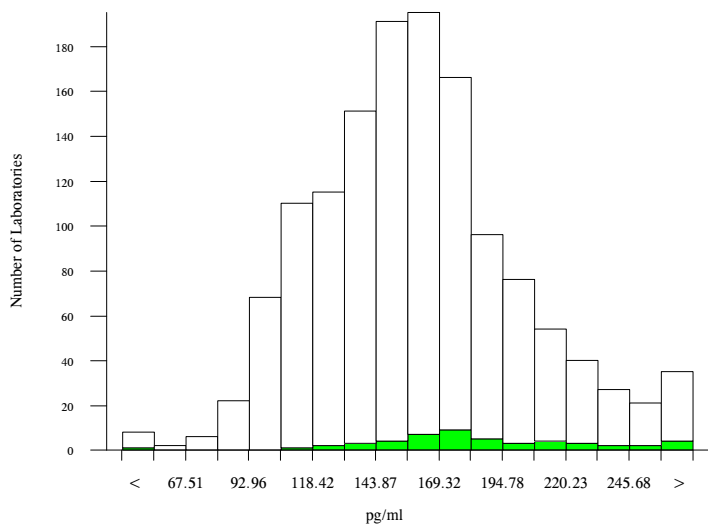


# Vitamin B12, pg/ml

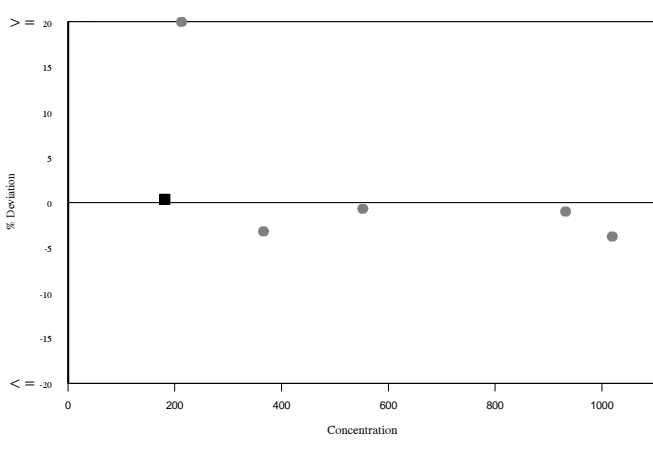
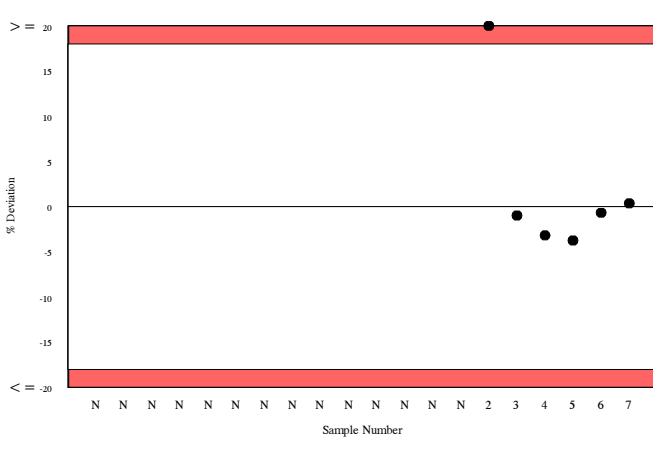
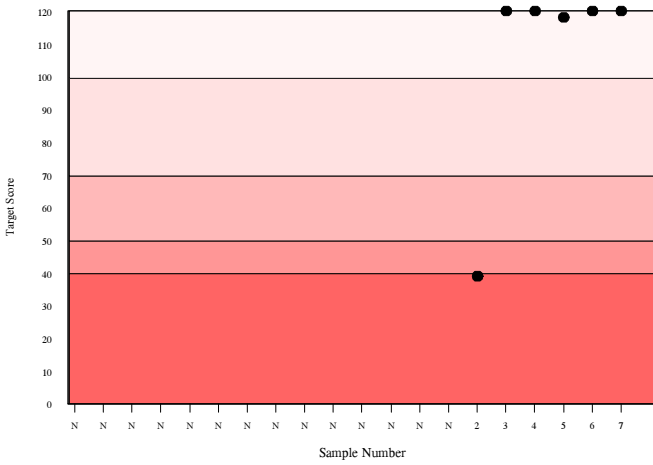
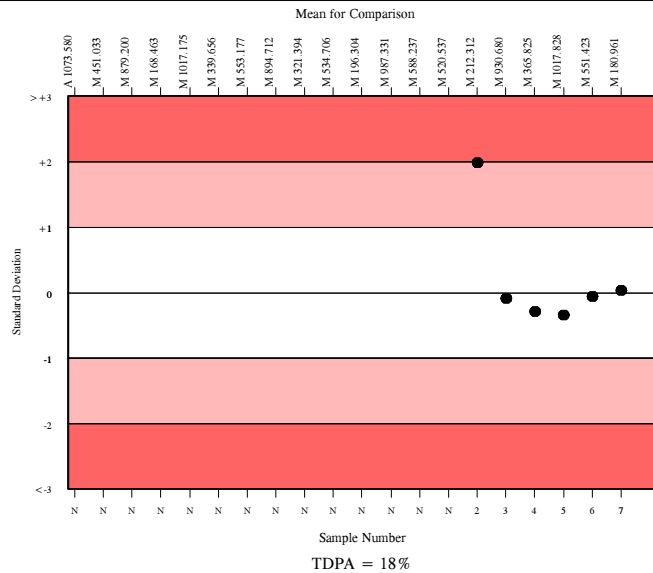
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	1297	156.601	21.7	1.18	17.14	110
Roche Cobas 4000/e411 Gen II	45	180.961	19.3	6.51	20.85a	5

▲ Your Result	181.600	SDI	0.03
		RMSDI	Too Few
■ Mean for Comparison	180.961	TS	120
		RMTS	Too Few
		%DEV	0.4
		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	275	187.053	17.7	2.49
Roche Cobas 6000/8000	231	156.561	12.0	1.54
Roche Cobas 4000/e411	161	178.434	21.8	3.83
Siemens Centaur XP/XPT/Classic	155	146.716	11.2	1.65
Beckman DxI 600 / 800	140	108.715	10.1	1.16
Roche Cobas 6000/8000 Gen II	72	157.765	11.8	2.74
Roche Cobas 4000/e411 Gen II	45	180.961	19.3	6.51
Beckman Access/LXi725	43	111.359	10.4	2.20
Roche Elecsys	33	183.418	23.7	9.48
Ortho Vitros 3600/5600/ECi	32	178.516	4.9	1.92
Siemens/DPC Immulite 2000	12	149.163	1.9	1.05
Roche Modular E170	21	153.536	11.6	4.86
Siemens Centaur CP	13	146.066	10.3	5.24
SNIBE Maglumi analysers	13	140.514	7.5	3.67
TOSOH	11	144.296	14.4	7.81
Siemens Dimension	5	143.513	9.6	7.67
Abbott AxSYM	3	175.400	20.7	26.21
Siemens/DPC Immulite 1000	2	127.000	30.1	33.75
MP Biomedicals RIA	4	114.225	5.8	4.16
Roche Modular E170 Gen II	4	173.200	3.7	3.99



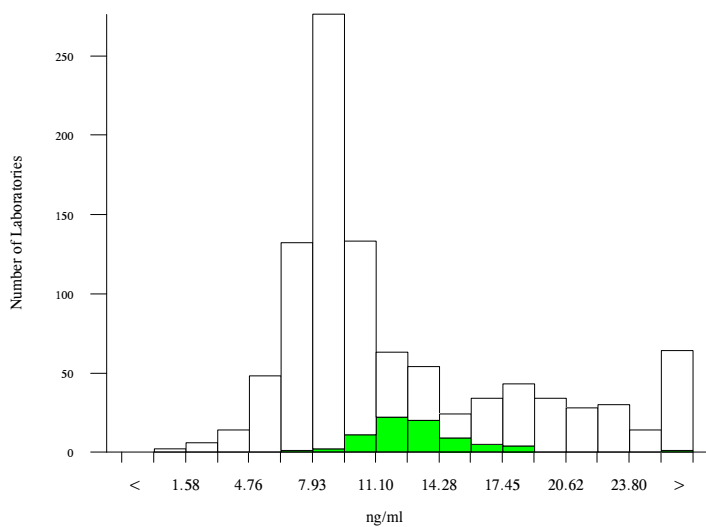


# 25-OH-Vitamin D, ng/ml

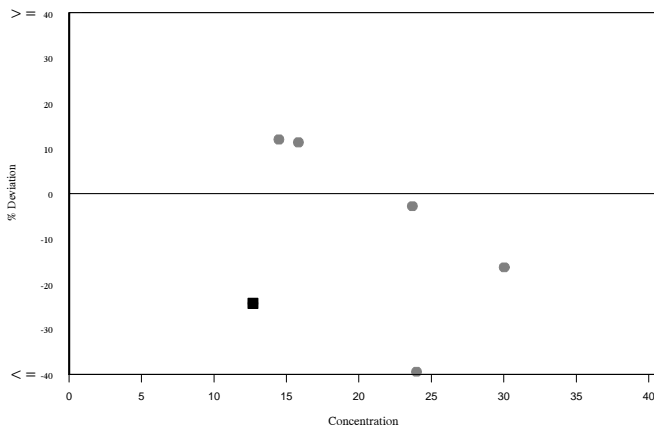
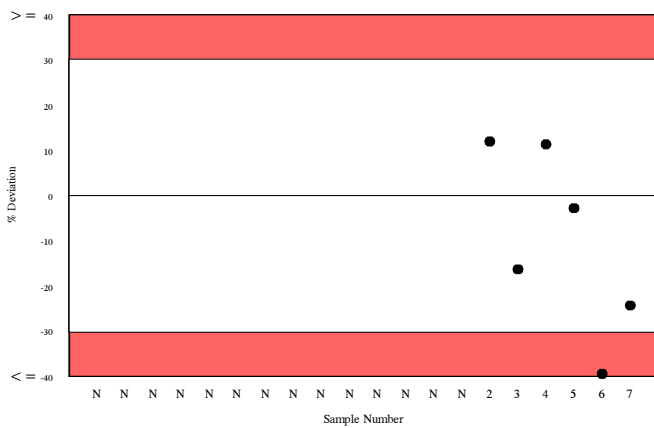
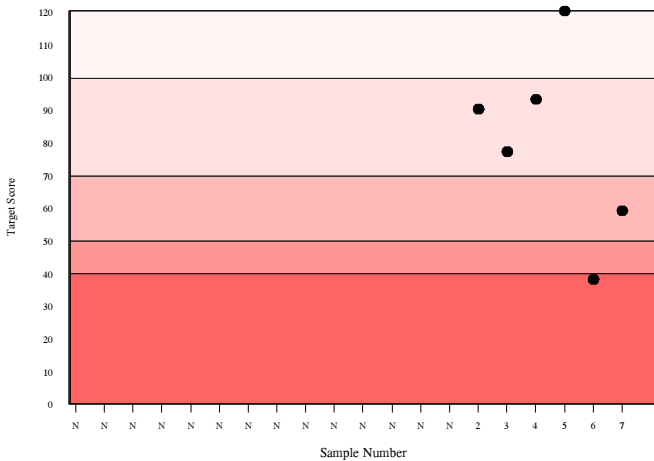
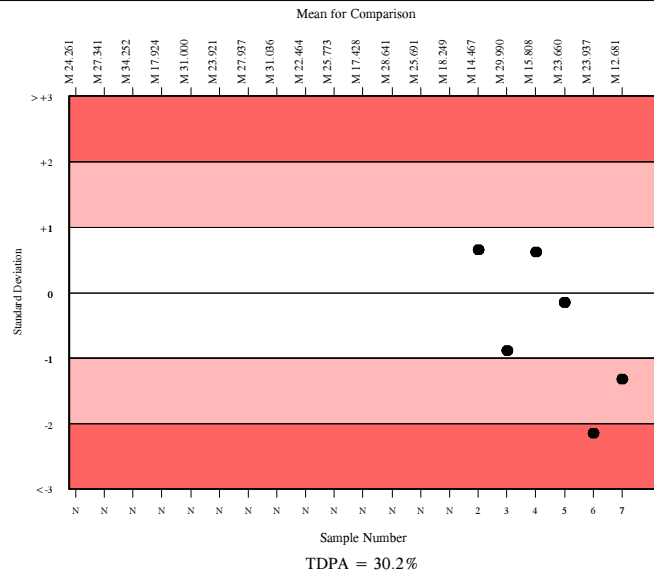
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	922	11.198	42.2	0.19	2.06	81
bioMerieux Vidas/mini Vidas/Vidas 3	68	12.681	13.7	0.26	2.33	7

▲ Your Result	9.600	SDI	-1.32
		RMSDI	Too Few
■ Mean for Comparison	12.681	TS	59
		RMTS	Too Few
		%DEV	-24.3
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	30.20%



Method	N	Mean	CV%	U <sub>m</sub>
Roche Vitamin D Total	335	8.057	21.0	0.12
Abbott Architect	191	9.176	7.3	0.06
Siemens Centaur XP/XPT/Classic	82	12.563	23.1	0.40
Beckman DxI 600 /800	71	20.138	12.1	0.36
bioMerieux Vidas/mini Vidas/Vidas 3	68	12.681	13.7	0.26
Diasorin Liaison	57	19.953	11.3	0.37
Ortho Vitros 3600/5600/ECi	26	33.013	12.6	1.02
Beckman Access 25 OH Vitamin D Total	19	22.461	9.8	0.63
SNIBE Maglumi Analyser	15	30.668	4.7	0.46
Fujirebio Lumipulse G Series	6	8.383	7.6	0.33
IDS iSYS	5	7.982	13.1	0.58
TOSOH	7	14.575	11.2	0.77
HPLC/UPLC	5	7.008	14.2	0.56
ELISA	5	7.081	51.5	2.04
LC/MS	3	9.371	9.6	0.65
Diesse,Chorus	2	11.700	31.4	3.25



Analyte	Mean for Comparison	Your Result	SDI	RMSDI	%DEV	RM%DEV	TS	RMTS	Performance
ACTH	21.673	15.480	-1.29	Too Few	-28.6	Too Few	N/A	N/A	
AFP	10.479	9.980	-0.52	Too Few	-4.8	Too Few	100	Too Few	
Aldosterone	73.455	65.400	-0.36	Too Few	-11.0	Too Few	105	Too Few	
Androstenedione	1.051	1.040	-0.08	Too Few	-1.1	Too Few	120	Too Few	
Beta-2-Microglobulin	1.078	1.030	-0.42	Too Few	-4.5	Too Few	109	Too Few	
CA 125	20.851	21.580	0.44	Too Few	3.5	Too Few	107	Too Few	
CA 15-3	19.722	20.090	0.22	Too Few	1.9	Too Few	120	Too Few	
CA 19-9	19.165	19.420	0.14	Too Few	1.3	Too Few	120	Too Few	
CEA	4.003	3.820	-0.56	Too Few	-4.6	Too Few	97	Too Few	
Cortisol	201.307	212.900	0.64	Too Few	5.8	Too Few	91	Too Few	
C-Peptide	2.425	2.490	0.15	Too Few	2.7	Too Few	120	Too Few	
DHEA-S	135.805	139.100	0.22	Too Few	2.4	Too Few	120	Too Few	
Digoxin	0.472	0.260	<u>-3.76</u>	Too Few	<u>-44.9</u>	Too Few	<u>11</u>	Too Few	▲
Ferritin	11.581	10.600	-0.99	Too Few	-8.5	Too Few	72	Too Few	
Folate	1.502	1.700	0.98	Too Few	13.2	Too Few	67	Too Few	
FSH	6.286	6.060	-0.47	Too Few	-3.6	Too Few	105	Too Few	
GH	1.791	1.790	-0.00	Too Few	-0.1	Too Few	120	Too Few	
hCG	13.509	14.700	1.04	Too Few	8.8	Too Few	70	Too Few	
IgE	239.771	259.000	0.95	Too Few	8.0	Too Few	74	Too Few	
Insulin	1.393	1.370	-0.14	Too Few	-1.7	Too Few	120	Too Few	
LH	3.487	4.120	<u>2.49</u>	Too Few	<u>18.2</u>	Too Few	<u>32</u>	Too Few	▲
Oestradiol	42.394	38.400	-0.92	Too Few	-9.4	Too Few	75	Too Few	
17-OH-Progesterone	1.046	1.300	0.74	Too Few	24.3	Too Few	N/A	N/A	
Progesterone	0.947	0.939	-0.08	Too Few	-0.9	Too Few	120	Too Few	
Prolactin	200.532	201.500	0.03	Too Few	0.5	Too Few	120	Too Few	
PSA, Free	1.117	1.120	0.04	Too Few	0.3	Too Few	120	Too Few	
PSA, Total	1.516	1.490	-0.23	Too Few	-1.7	Too Few	120	Too Few	
Parathyroid hormone	81.113	82.050	0.07	Too Few	1.2	Too Few	N/A	N/A	
Sex Hormone Binding Globulin	13.893	13.220	-0.59	Too Few	-4.8	Too Few	94	Too Few	
Free T3	5.208	5.390	0.41	Too Few	3.5	Too Few	111	Too Few	
Total T3	1.665	1.630	-0.23	Too Few	-2.1	Too Few	120	Too Few	
Free T4	15.739	16.180	0.37	Too Few	2.8	Too Few	115	Too Few	
Total T4	39.777	39.600	-0.05	Too Few	-0.4	Too Few	120	Too Few	
Free Testosterone (Pilot)	1.219	1.590	0.51	Too Few	30.4	Too Few	N/A	N/A	
Testosterone	0.533	0.555	0.34	Too Few	4.1	Too Few	118	Too Few	
Thyroglobulin	2.931	2.880	-0.12	Too Few	-1.7	Too Few	120	Too Few	
TSH	0.136	0.130	-0.57	Too Few	-4.2	Too Few	97	Too Few	
Valproic acid	28.203	28.800	0.27	Too Few	2.1	Too Few	120	Too Few	
Vitamin B12	180.961	181.600	0.03	Too Few	0.4	Too Few	120	Too Few	
25-OH-Vitamin D	12.681	9.600	-1.32	Too Few	-24.3	Too Few	59	Too Few	

ORMSDI N/A

ORM%DEV N/A

ORMTS N/A

END OF REPORT