

Dena Laboratory

# MONTHLY IMMUNOASSAY

CYCLE 15 SAMPLE 11

## 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: 30/11/2017

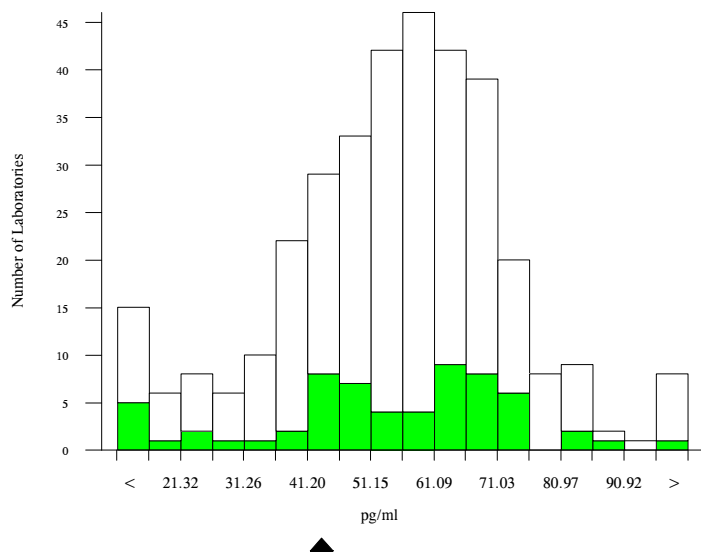
Randox Laboratories Limited  
55 Diamond Road  
CRUMLIN BT29 4QY  
Tel: +44 (0)28 9445 4399  
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# ACTH, pg/ml

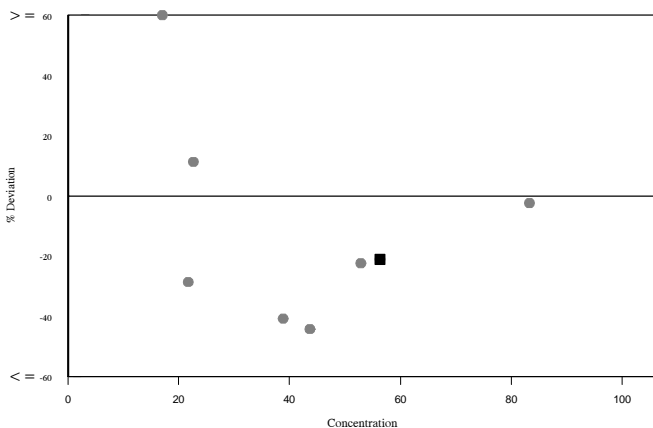
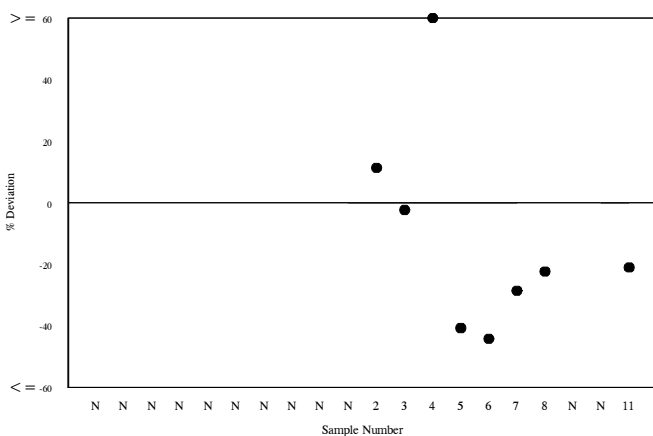
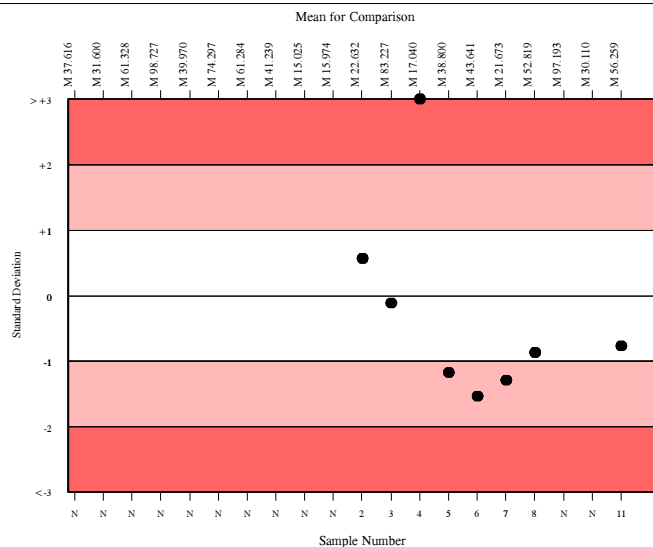
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	309	56.122	23.6	0.94	13.26	37
Roche Cobas 4000/e411	56	56.259	27.3	2.57	15.37	6

▲ Your Result	44.420	SDI RMSDI	-0.77 Too Few
■ Mean for Comparison	56.259	TS RMTS	N/A N/A
		%DEV RM%DEV	-21.0 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	104	51.368	19.5	1.23
Roche Cobas 6000/8000	75	62.569	16.3	1.47
Roche Cobas 4000/e411	56	56.259	27.3	2.57
Siemens/DPC Immulite 1000	25	53.417	19.5	2.60
Diasorin Liaison	11	51.868	39.6	7.74
SNIBE Maglumi analysers	13	66.688	4.7	1.09
DiaSorin Liaison XL	4	77.020	19.0	9.15
CIS, IRMA	2	61.050	35.1	18.94
Roche Elecsys	5	66.866	23.2	8.68
TOSOH	3	57.200	19.5	8.06
Roche Modular E170	2	63.275	4.3	2.42

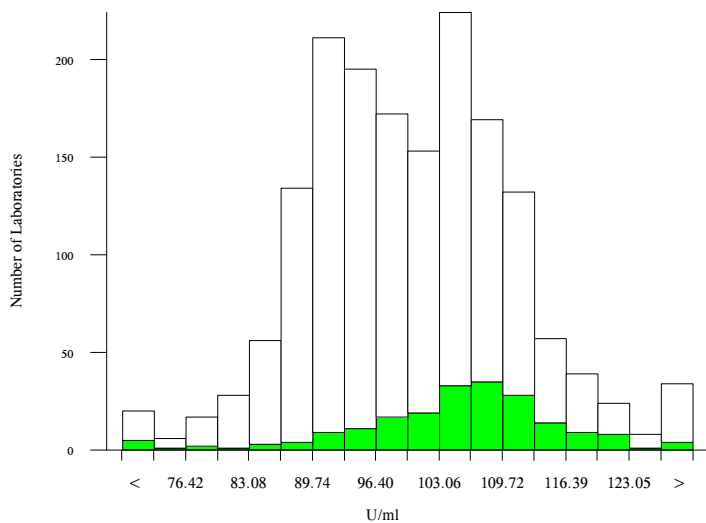


# AFP, U/ml

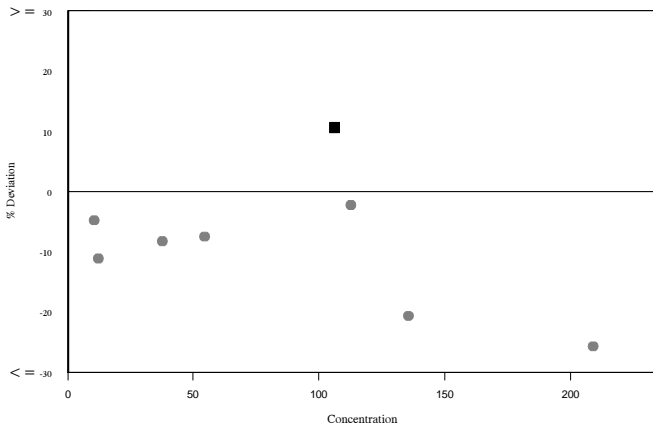
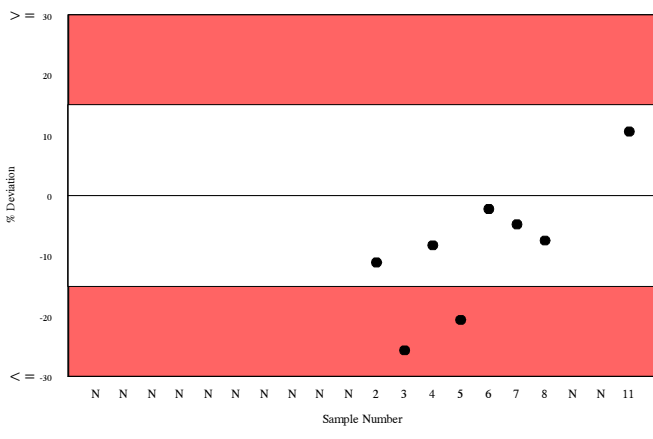
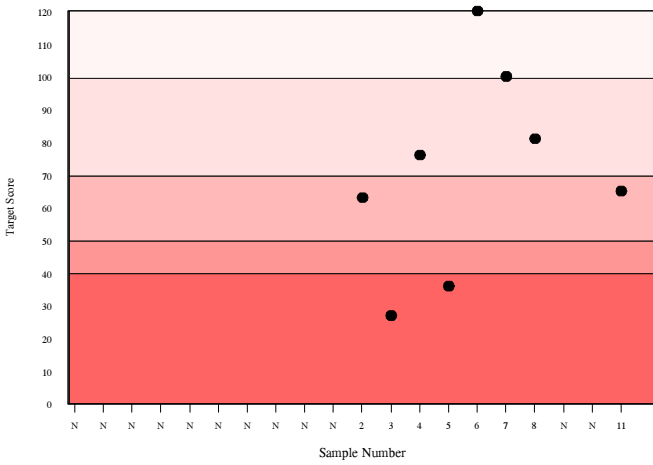
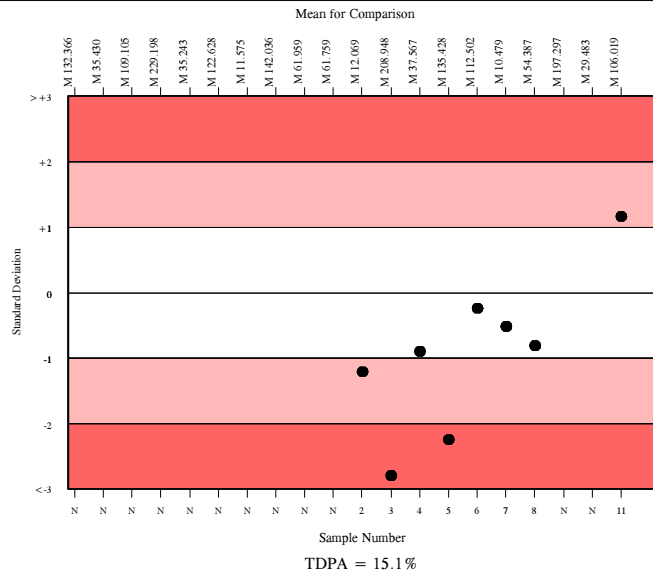
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	1581	99.737	8.9	0.28	9.16	100
Roche Cobas 4000/e411	187	106.019	7.4	0.72	9.73	17

▲ Your Result	117.300	SDI	1.16
		RMSDI	Too Few
■ Mean for Comparison	106.019	TS	65
		RMTS	Too Few
		%DEV	10.6
		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	352	105.815	4.5	0.32
Abbott Architect	302	92.564	3.6	0.24
Roche Cobas 4000/e411	187	106.019	7.4	0.72
Siemens Centaur XP/XPT/Classic	158	106.522	6.3	0.66
Beckman DxI 600 / 800	153	90.856	6.4	0.58
Siemens/DPC Immulite 2000/2500	55	90.869	5.3	0.81
bioMerieux, Vidas/Mini Vidas	50	99.380	9.1	1.60
Beckman Access/LXi725	47	96.629	8.5	1.50
Roche Elecsys	43	103.914	7.2	1.42
Ortho Vitros 3600/5600/ECi	32	101.492	7.2	1.62
Tosoh	25	91.391	5.1	1.18
SNIBE Maglumi analysers	18	91.959	3.3	0.91
Siemens Centaur CP	17	105.159	6.4	2.04
Siemens/DPC Immulite 1000	18	92.781	15.3	4.18
DiaSorin, Liaison	16	100.695	11.9	3.73
CIS, IRMA	13	140.897	4.9	2.42
Roche Modular E170	15	103.564	4.4	1.46
DiaSorin Liaison XL	11	97.966	4.6	1.69
Fujirebio Lumipulse G Series	8	99.631	3.6	1.57
Siemens Dimension	4	103.539	3.7	2.42
ELISA	3	181.793	68.7	90.19



# Aldosterone, pg/ml

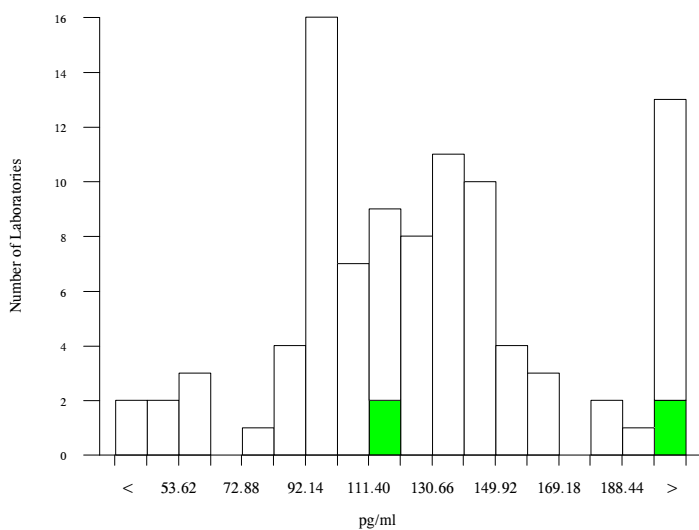
- All Methods
- DiaMetra ELISA

	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	77	121.036	21.2	3.66	28.40	19
DiaMetra ELISA	2	116.762	0.1	0.08	27.40	2

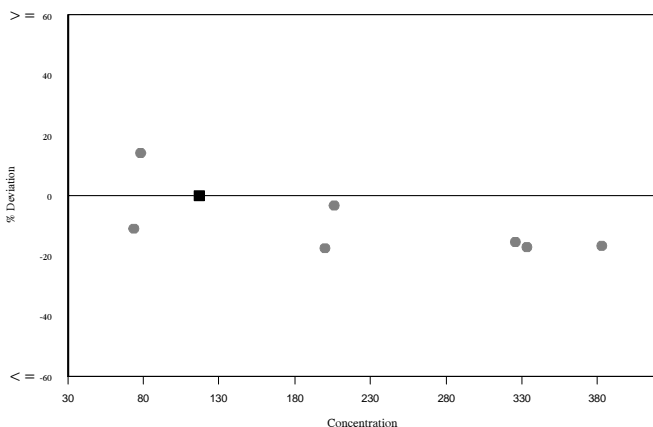
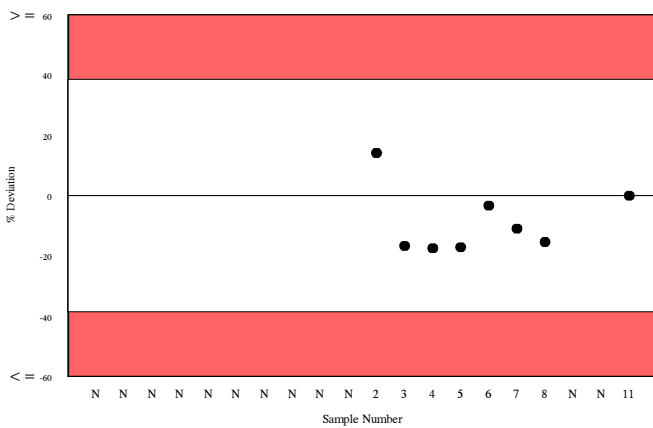
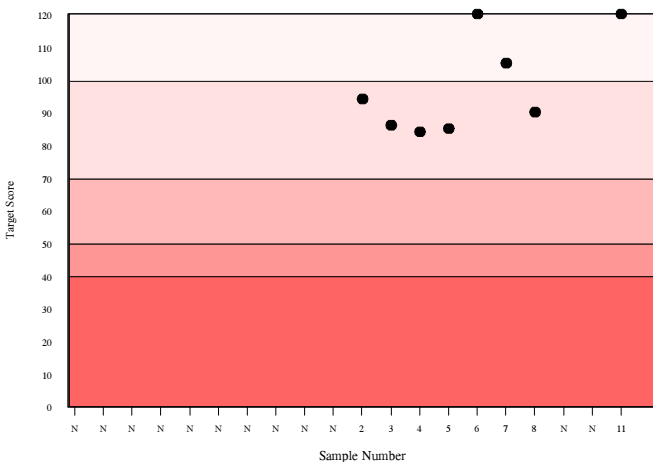
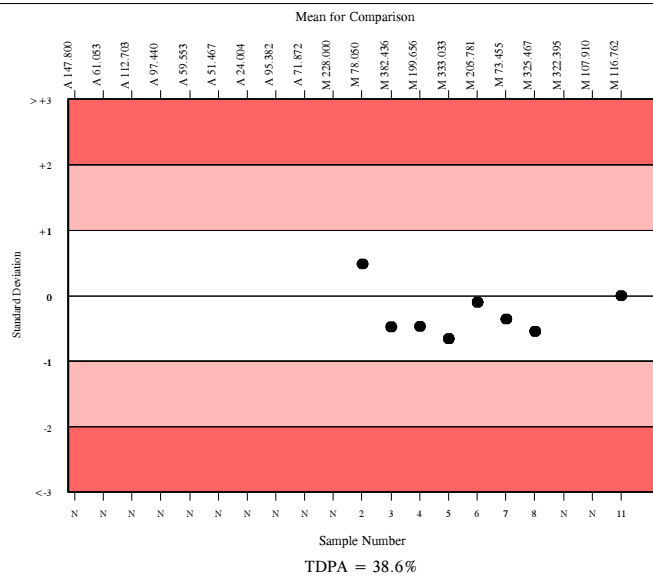
<span style="color: green;">▲</span> Your Result	116.700	SDI	-0.00
		RMSDI	Too Few
<span style="color: green;">■</span> Mean for Comparison	116.762	TS	120
		RMTS	Too Few
		%DEV	-0.1
		RM%DEV	Too Few

**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>
SNIBE Maglumi analysers	13	94.192	1.8	0.58
Diasorin Liaison	15	128.406	13.4	5.54
DiaSorin Liaison XL	13	130.615	6.2	2.80
DRG, ELISA	8	194.188	22.5	19.34
CIS, RIA	5	50.474	17.3	4.89
ELISA	5	143.644	30.3	24.31
IDS iSYS	5	131.905	18.9	13.97
Immunotech RIA	2	99.327	12.8	11.22
DiaMetra ELISA	2	116.762	0.1	0.08
ZenTech RIA	3	135.450	5.4	5.25
AutoBio CLIA	2	151.870	5.8	7.84
Diasorin RIA	2	129.000	19.7	22.50
DBE, ELISA	2	159.300	5.6	7.87

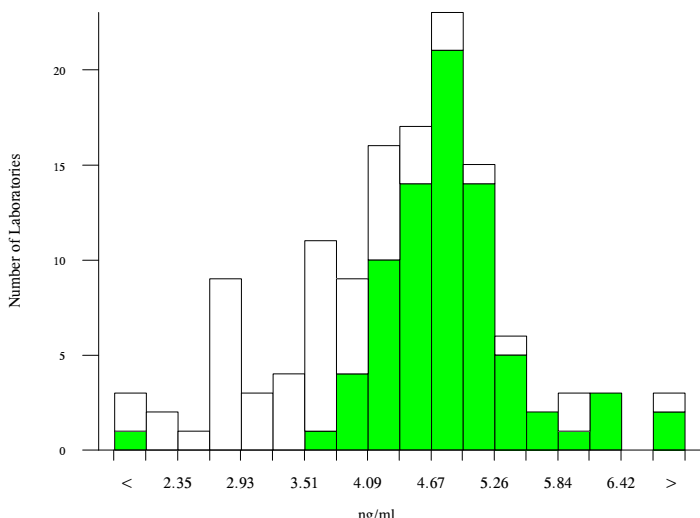


# Androstenedione, ng/ml

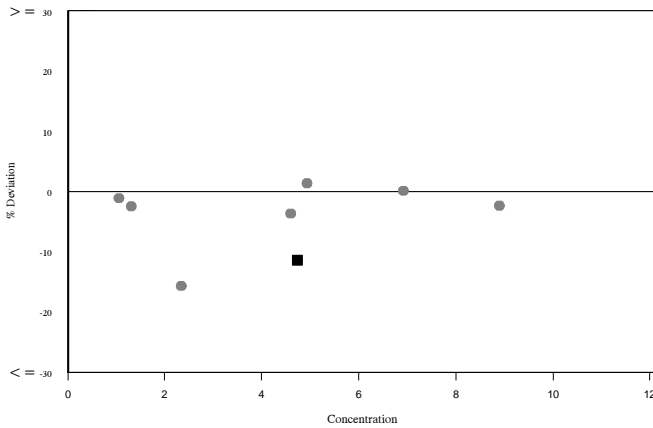
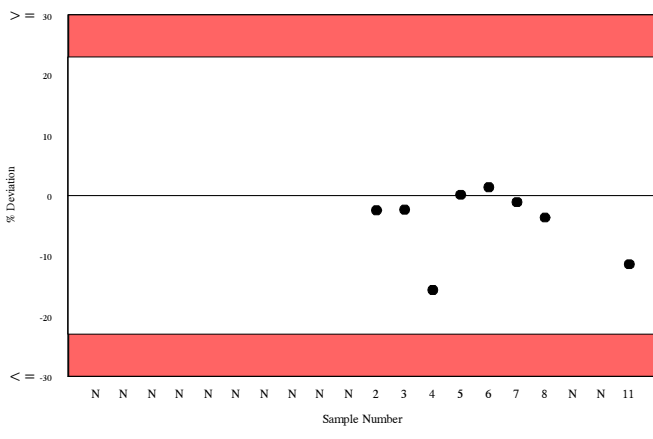
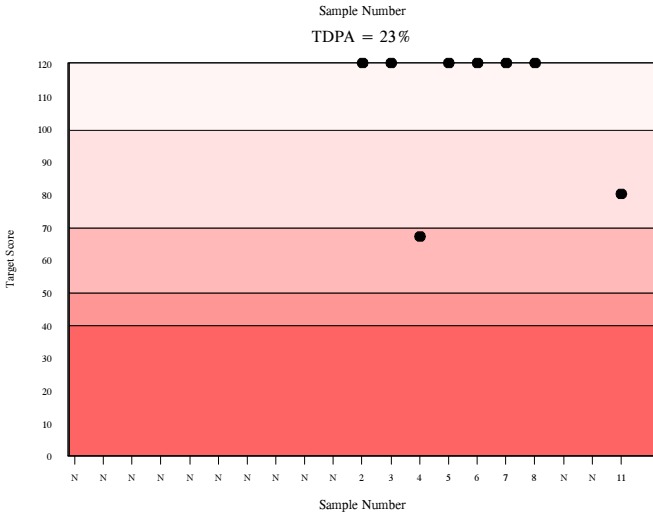
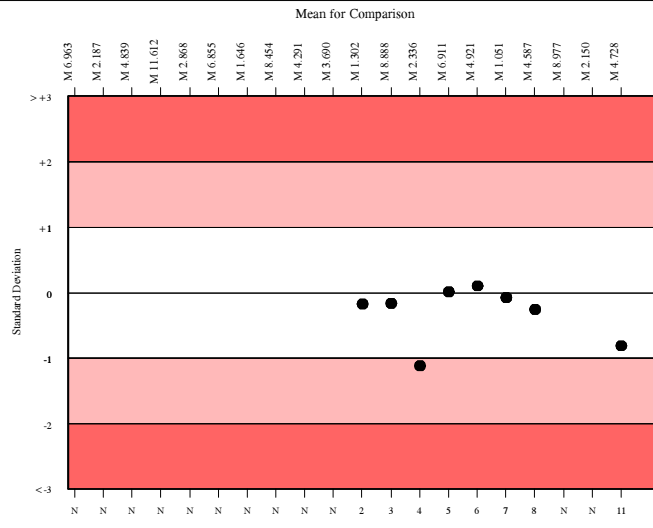
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	118	4.389	17.6	0.09	0.61	12
Siemens/DPC Immulite 2000	68	4.728	8.0	0.06	0.66	10

▲ Your Result	4.190	SDI	-0.81
		RMSDI	Too Few
■ Mean for Comparison	4.728	TS	80
		RMTS	Too Few
		%DEV	-11.4
		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	68	4.728	8.0	0.06
Siemens/DPC Immulite 1000	13	4.025	12.2	0.17
Beckman Coulter Active RIA	8	3.005	17.0	0.23
DRG, ELISA	7	4.313	24.2	0.49
DIAsource, RIA	3	3.748	16.4	0.44
DiaMetra ELISA	4	2.653	14.6	0.24
Novatec ELISA	4	3.043	19.2	0.37
DIAsource, ELISA	2	3.850	2.9	0.10
Labor Diagnostike Nord ELISA	2	3.638	19.0	0.61



**RIQAS**

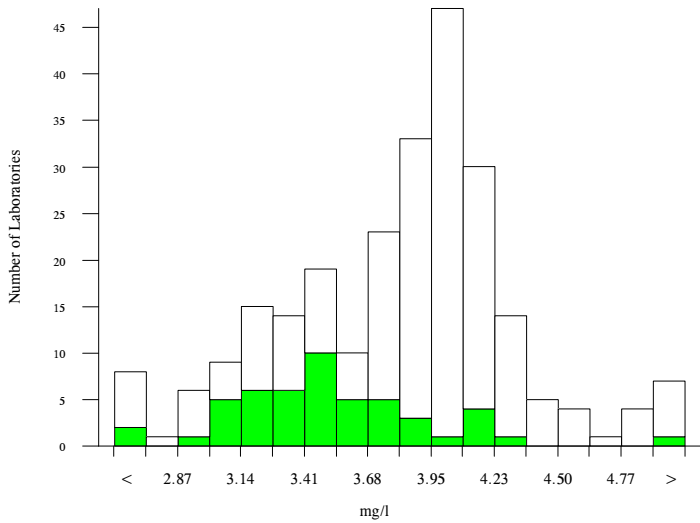


# Beta-2-Microglobulin, mg/l

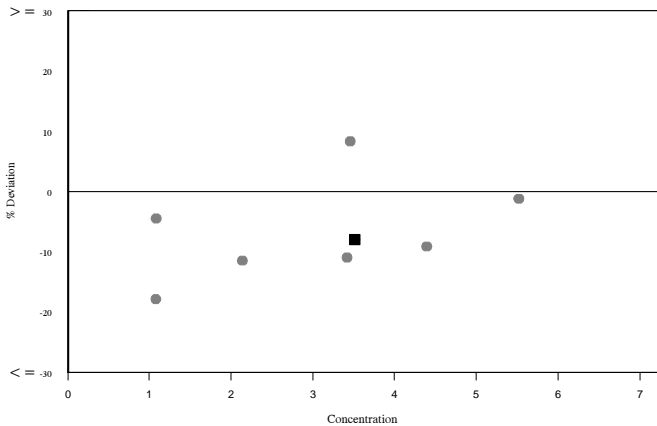
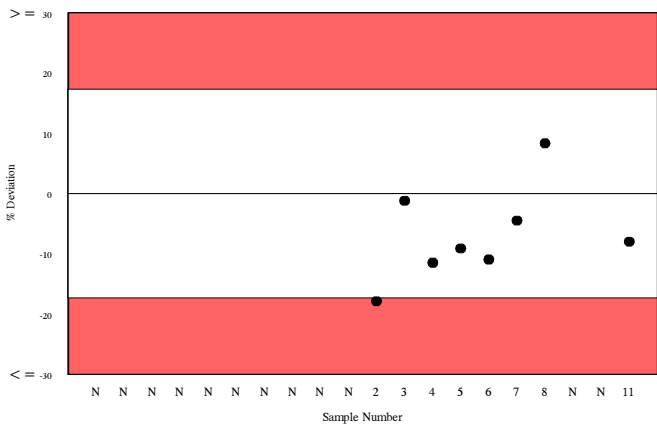
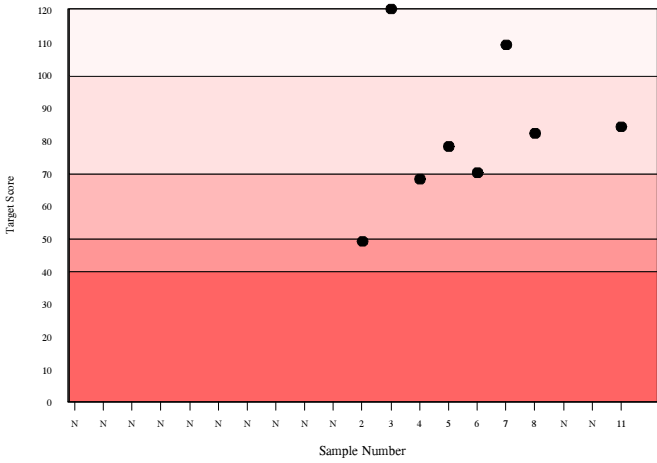
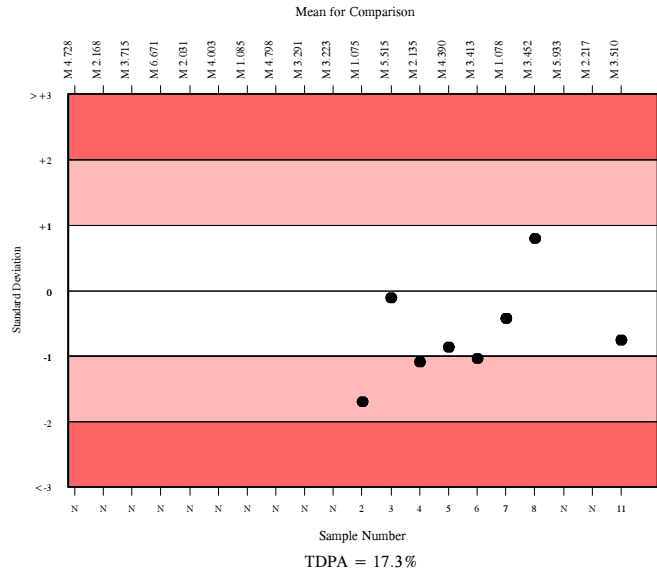
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	225	3.823	9.5	0.03	0.40	29
Siemens/DPC Immulite 2000/2500	45	3.510	8.6	0.06	0.37	5

▲ Your Result	3.230	SDI	-0.76
		RMSDI	Too Few
■ Mean for Comparison	3.510	TS	84
		RMTS	Too Few
		%DEV	-8.0
		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	45	3.510	8.6	0.06
Roche Cobas 6000/8000	41	4.053	3.6	0.03
bioMerieux, VIDAS	29	3.904	9.0	0.08
Abbott Architect	28	4.002	2.6	0.02
Siemens/Behring Nephelometer	10	3.915	2.5	0.04
SNIBE Maglumi analysers	13	3.185	8.3	0.09
Beckman AU400/600/640/2700/5400	7	4.009	3.7	0.07
Diasorin Liaison	8	3.613	9.5	0.15
Siemens/DPC Immulite 1000	7	3.779	12.9	0.23
DiaSorin Liaison XL	5	3.265	6.0	0.11
Roche Cobas 4000/c311	5	3.996	5.1	0.11
Roche Tinaquant	4	4.305	4.9	0.13
Fujirebio Lumipulse G Series	4	3.438	6.9	0.15
Siemens Advia 1200/1650/1800/2400	3	3.637	10.9	0.29
Roche Modular P	3	3.960	0.9	0.03
TOSOH	3	3.978	7.6	0.22
Beckman Image	2	4.550	1.6	0.06
Biolatex Immunoassay	2	2.610	21.1	0.49
DakoCytomation PET kit	2	4.845	1.6	0.07
Siemens Dimension	2	4.165	4.6	0.17
Goldsite Nephstar Nephelometer	2	3.585	7.3	0.23

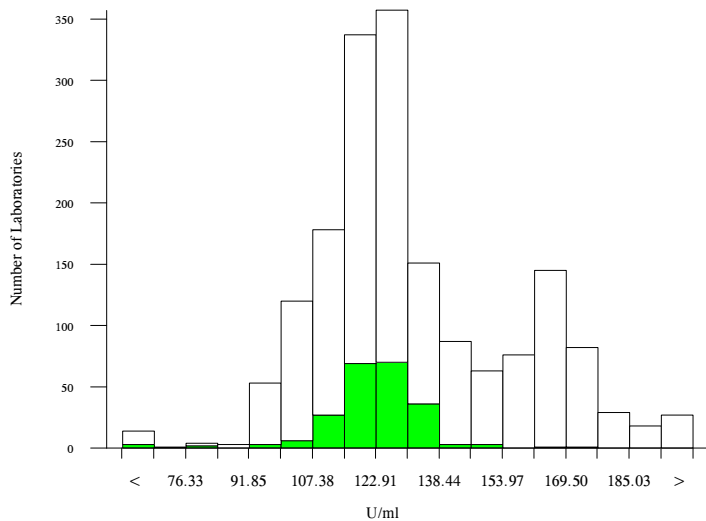


# CA 125, U/ml

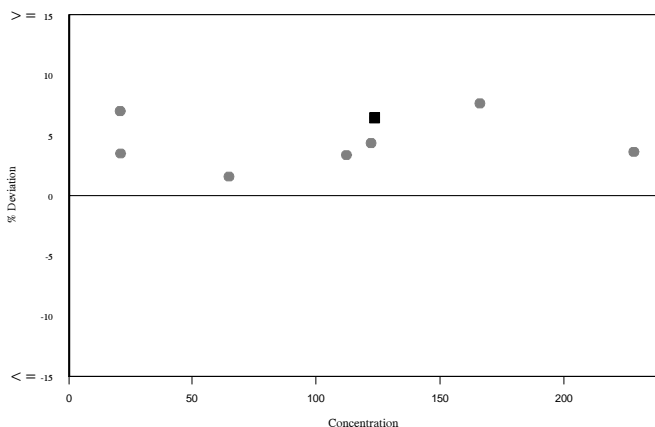
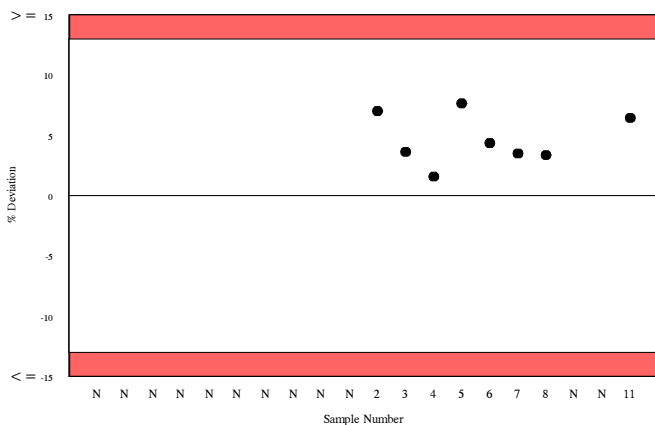
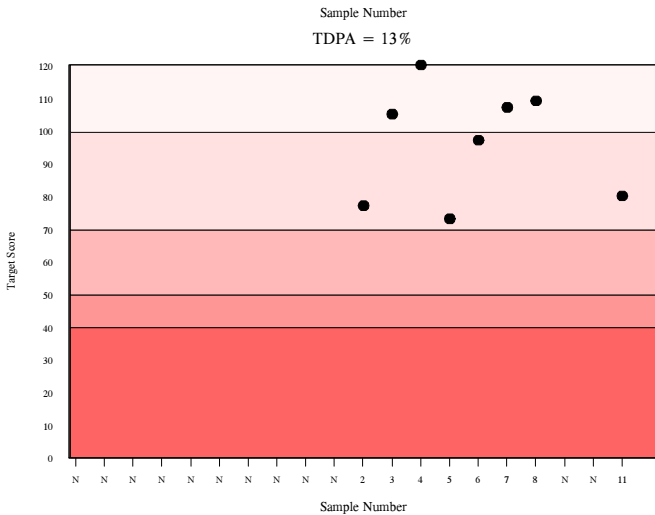
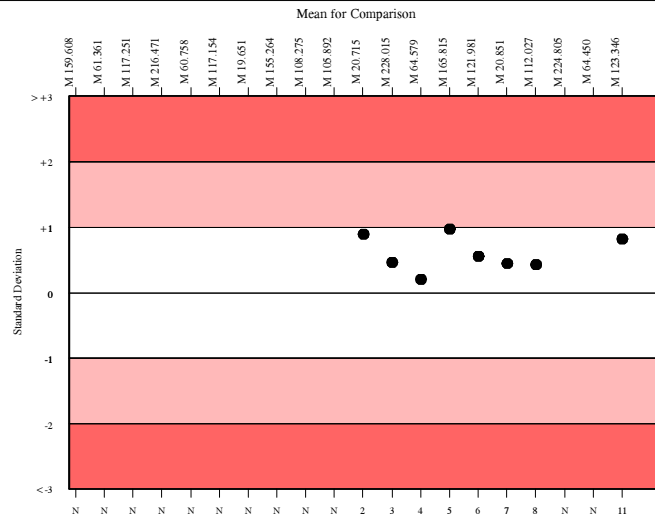
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	1660	130.683	15.8	0.64	10.33	87
Roche Cobas 4000/e411	205	123.346	5.9	0.63	9.75	19

▲ Your Result	131.300	SDI	0.82
		RMSDI	Too Few
■ Mean for Comparison	123.346	TS	80
		RMTS	Too Few
		%DEV	6.4
		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	365	122.119	3.9	0.31
Abbott Architect	316	165.799	4.8	0.56
Roche Cobas 4000/e411	205	123.346	5.9	0.63
Beckman DxI 600 / 800	150	104.121	5.2	0.55
Centaur XP/XPT/Classic, CA125 II Kit	121	135.124	6.7	1.03
bioMerieux, VIDAS	91	124.822	6.3	1.03
Roche Elecsys	45	123.330	5.5	1.27
Siemens Centaur XP/XPT/Classic OV Kit	45	138.790	6.8	1.77
Siemens/DPC Immulite 2000/2500	38	130.687	5.6	1.50
Beckman Access/LXi725	35	105.063	5.2	1.15
Ortho Vitros 3600/5600/ECi	32	122.606	4.1	1.12
Siemens/DPC Immulite 1000	22	138.182	6.7	2.48
TOSOH	22	202.582	6.8	3.66
SNIBE Maglumi analysers	18	111.849	3.7	1.23
Siemens Centaur CP CA125 II Kit	20	140.505	7.6	2.97
Diasorin Liaison	17	170.525	17.8	9.23
Roche Modular E170	16	120.913	5.2	1.95
Fujirebio Lumipulse G Series	13	111.972	6.6	2.56
DiaSorin Liaison XL	11	174.455	8.1	5.31
CIS, IRMA	10	104.042	6.7	2.76
Siemens Centaur CP OV Kit	3	140.767	6.9	6.98

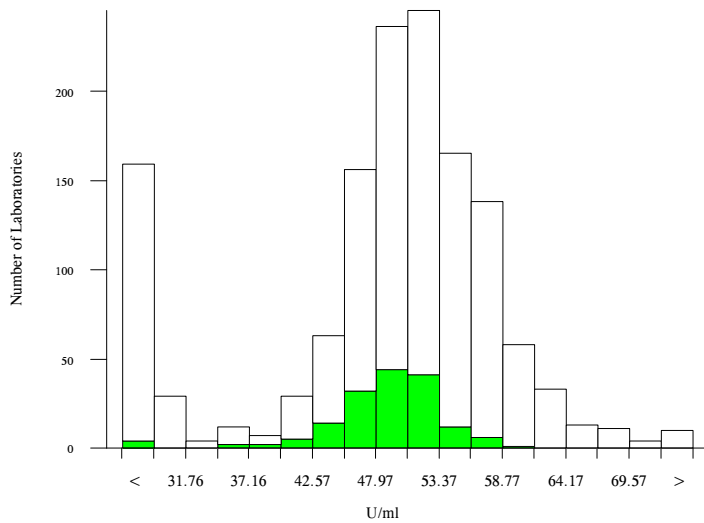


# CA 15-3, U/ml

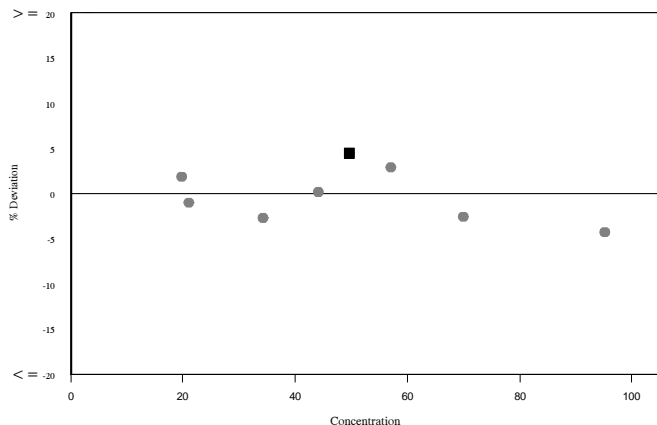
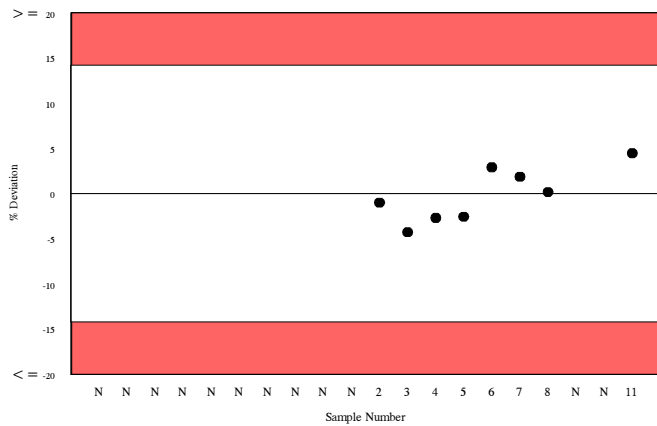
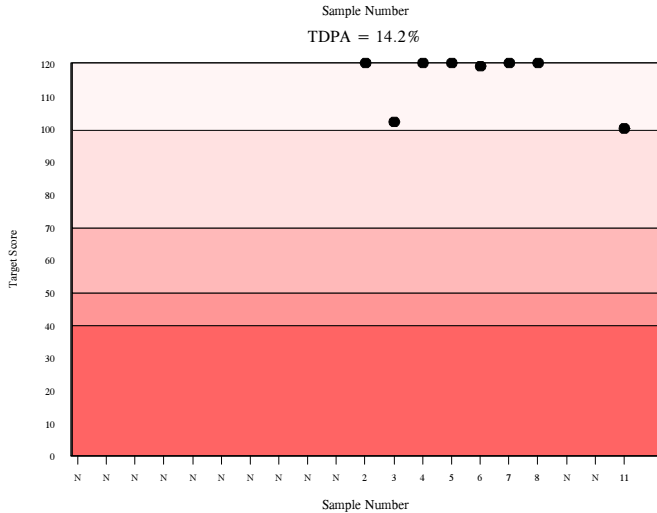
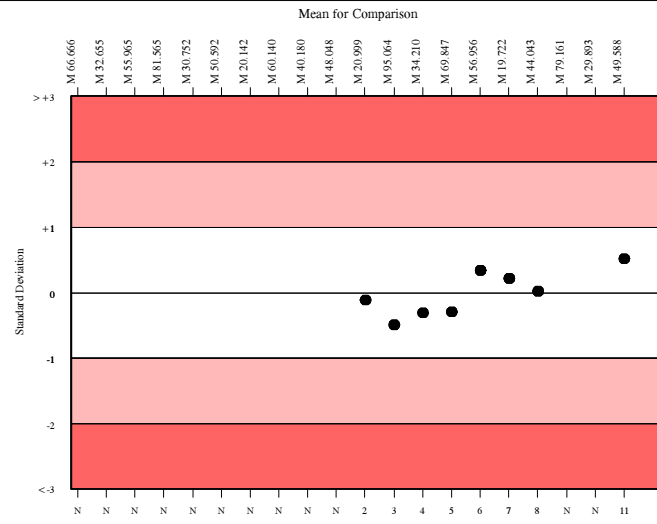
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	1225	50.672	14.2	0.26	4.37	148
Roche Cobas 4000/e411	148	49.588	6.6	0.33	4.28	15

▲ Your Result	51.800	SDI	0.52
		RMSDI	Too Few
■ Mean for Comparison	49.588	TS	100
		RMTS	Too Few
		%DEV	4.5
		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	295	50.150	4.6	0.17
Abbott Architect	248	55.834	5.3	0.24
Roche Cobas 4000/e411	148	49.588	6.6	0.33
Siemens Centaur XP/XPT/Classic	140	52.942	7.4	0.42
Beckman DxI 600 / 800	130	27.276	6.7	0.20
BioMerieux VIDAS	62	45.680	5.5	0.40
Roche Elecsys	38	50.271	9.6	0.98
Siemens/DPC Immulite 2000/2500	31	61.116	10.0	1.37
Beckman Access/LXi725	29	26.330	6.3	0.38
TOSOH	18	50.044	10.5	1.56
SNIBE Maglumi analysers	17	59.269	3.7	0.67
Ortho Vitros 3600/5600/ECi	18	45.939	7.6	1.03
Diasorin Liaison	13	51.684	7.9	1.41
Roche Modular E170	12	49.750	5.4	0.96
CIS, IRMA	10	36.257	4.5	0.65
Fujirebio Lumipulse G Series	11	58.765	9.9	2.20
DiaSorin Liaison XL	11	51.461	11.9	2.31
Siemens Centaur CP	9	49.789	6.5	1.36
Siemens/DPC Immulite 1000	8	72.188	7.9	2.51
Brahms Kryptor	3	53.280	7.2	2.78
Siemens Dimension	3	44.883	2.4	0.78





# CA 19-9, U/ml

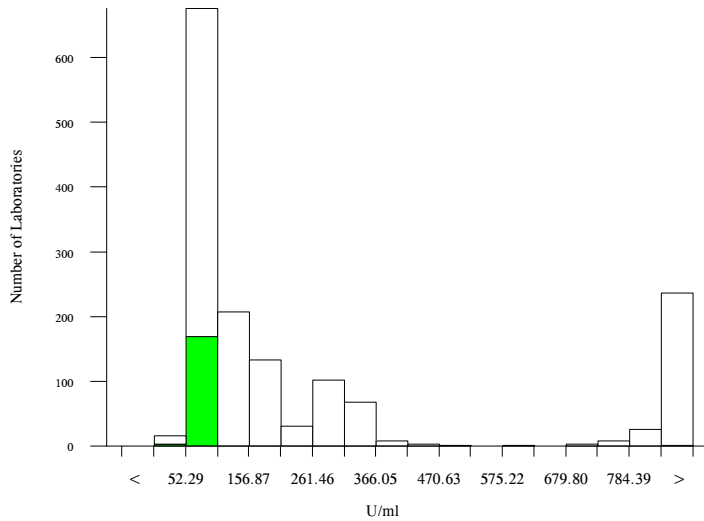
□ All Methods

■ Roche Cobas 4000/e411

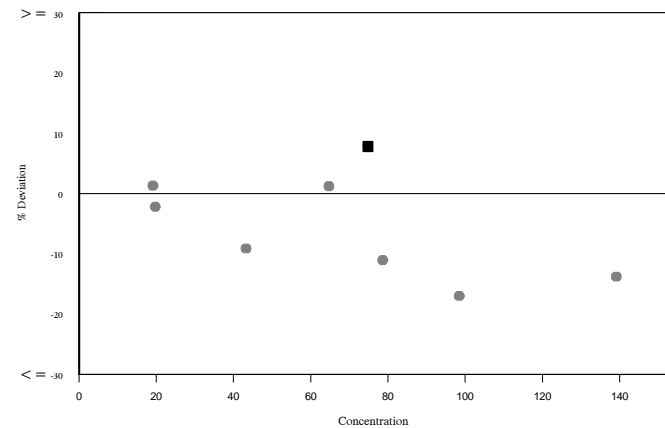
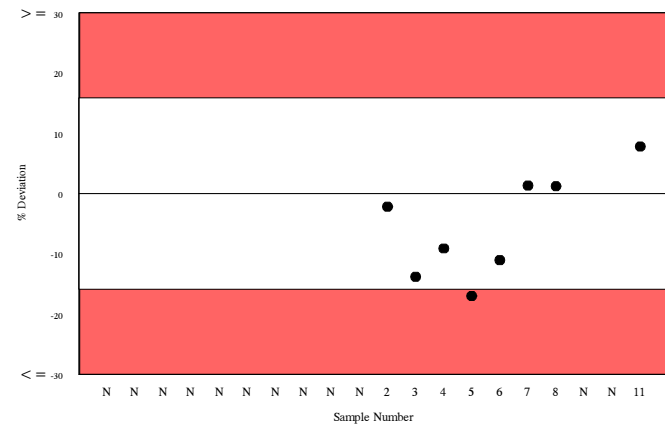
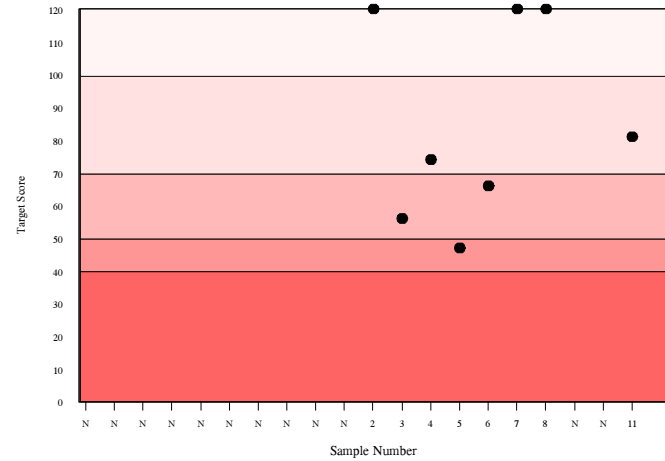
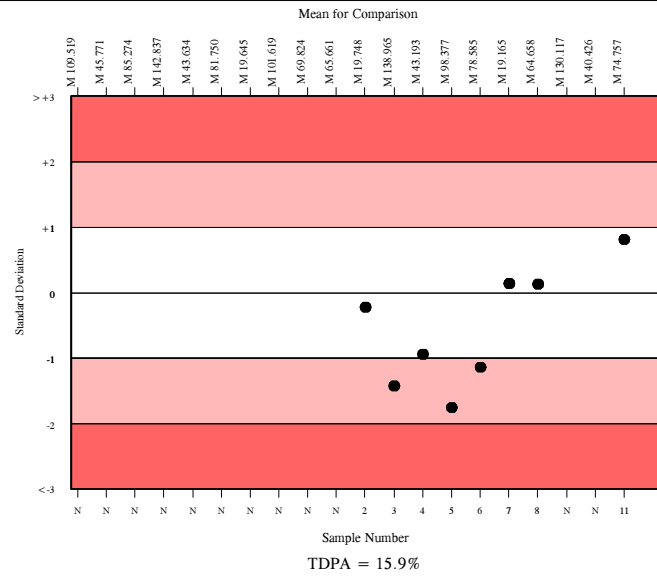
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	1357	192.739	111.4	7.28	20.00a	163
Roche Cobas 4000/e411	159	74.757	8.1	0.60	7.23	14

▲ Your Result	80.600	SDI	0.81
		RMSDI	Too Few
■ Mean for Comparison	74.757	TS	81
		RMTS	Too Few
		%DEV	7.8
		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	343	73.179	4.5	0.22
Abbott Architect	165	919.550	7.9	7.11
Roche Cobas 4000/e411	159	74.757	8.1	0.60
Siemens Centaur XP/XPT/Classic	159	310.099	9.3	2.86
Beckman DxI 600 / 800	140	116.204	8.0	0.98
Abbott Architect XR/ XR2 / XRL	86	936.516	6.7	8.46
bioMerieux, VIDAS	78	194.156	5.9	1.62
Roche Elecsys	39	76.328	8.3	1.26
Siemens/DPC Immulite 2000/2500	35	116.490	8.6	2.11
Beckman Access/LXi725	30	126.122	7.8	2.24
TOSOH	23	54.902	6.9	0.99
Ortho Vitros 3600/5600/ECi	23	204.726	2.8	1.50
SNIBE Maglumi analysers	20	93.558	4.2	1.11
Siemens Centaur CP	17	299.712	8.9	8.04
Roche Modular E170	13	71.868	2.9	0.73
Diasorin Liaison	13	191.007	8.6	5.69
CIS, IRMA	14	72.263	7.8	1.88
Siemens/DPC Immulite 1000	12	125.450	25.7	11.64
Fujirebio Lumipulse G Series	11	165.884	5.7	3.55
DiaSorin Liaison XL	12	180.258	5.0	3.25
Siemens Dimension	4	172.150	7.2	7.70

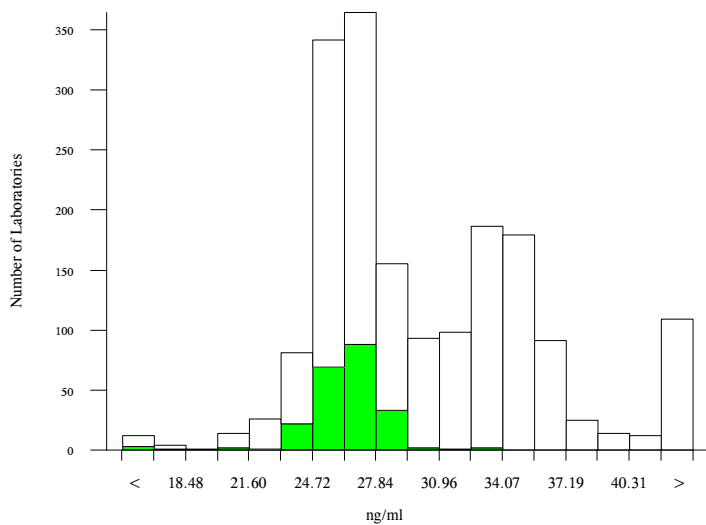


# CEA, ng/ml

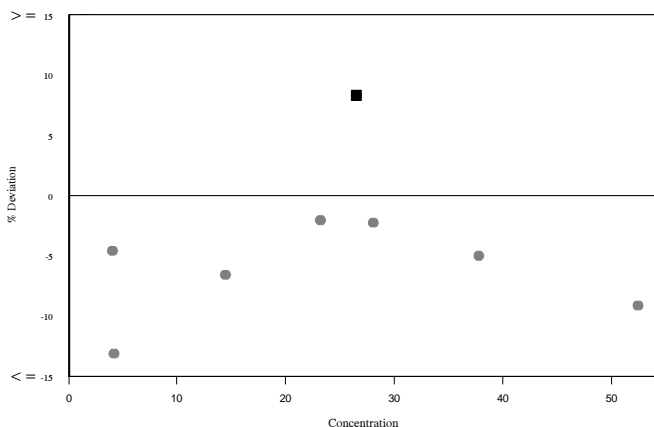
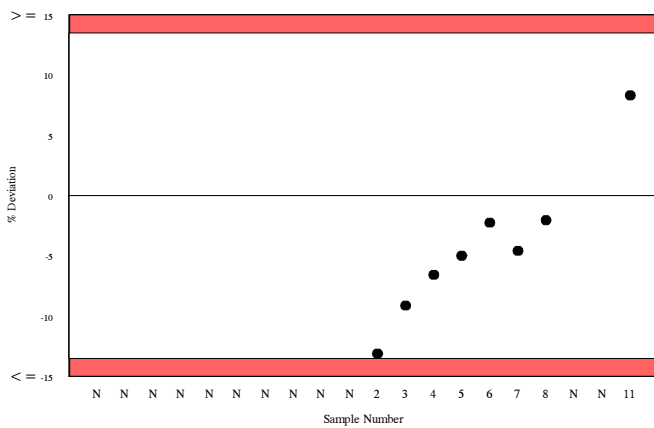
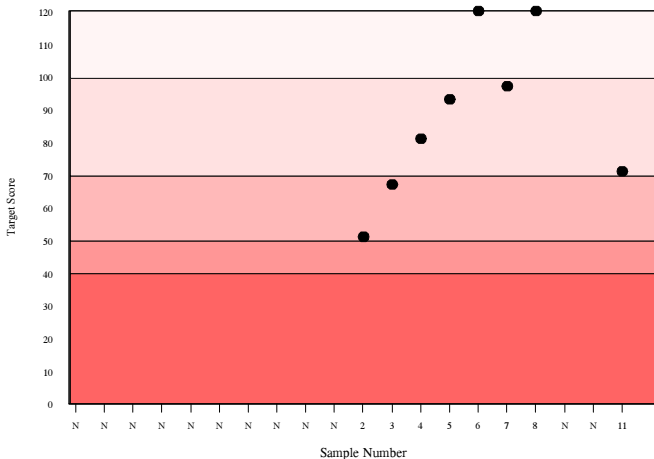
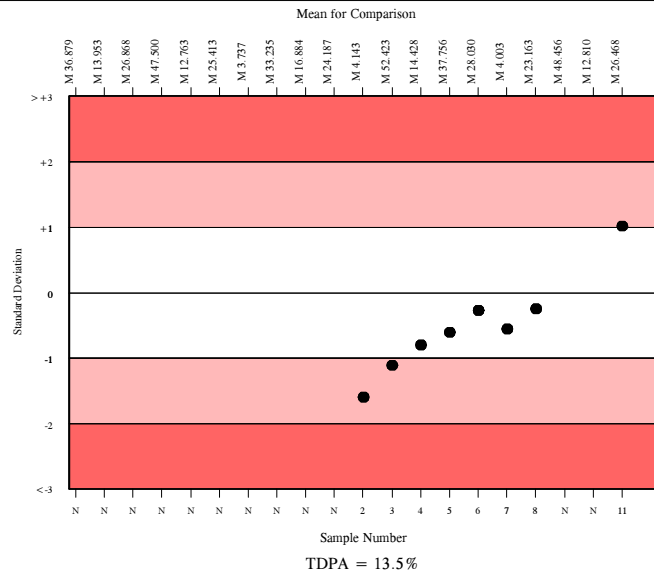
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	1672	29.400	14.1	0.13	2.41	134
Roche Cobas 4000/e411	205	26.468	4.5	0.10	2.17	20

▲ Your Result	28.670	SDI	1.01
		RMSDI	Too Few
■ Mean for Comparison	26.468	TS	71
		RMTS	Too Few
		%DEV	8.3
		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	381	26.151	3.4	0.06
Abbott Architect	329	34.103	3.9	0.09
Roche Cobas 4000/e411	205	26.468	4.5	0.10
Siemens Centaur XP/XPT/Classic	173	34.758	6.4	0.21
Beckman DxI 600 / 800	157	27.726	5.3	0.15
bioMerieux, VIDAS	66	28.944	6.2	0.27
Roche Elecsys	46	26.009	5.4	0.26
Siemens/DPC Immulite 2000/2500	46	44.055	5.4	0.44
Beckman Access/LXi725	43	28.437	5.0	0.27
Ortho Vitros 3600/5600/ECi	37	32.749	4.0	0.27
Tosoh	30	45.942	4.4	0.47
Siemens Centaur CP	22	32.385	8.0	0.69
SNIBE Maglumi analysers	21	24.373	7.7	0.51
CIS, RIA Coated tube	16	21.695	3.5	0.24
Siemens/DPC Immulite 1000	17	44.671	9.9	1.34
Diasorin Liaison	16	26.539	9.0	0.75
Roche Modular E170	18	25.554	4.0	0.30
Fujirebio Lumipulse G Series	12	44.875	4.1	0.66
DiaSorin Liaison XL	9	27.436	7.5	0.86
Siemens Dimension	4	28.925	5.1	0.93
Abbott AxSYM	2	31.715	12.6	3.52

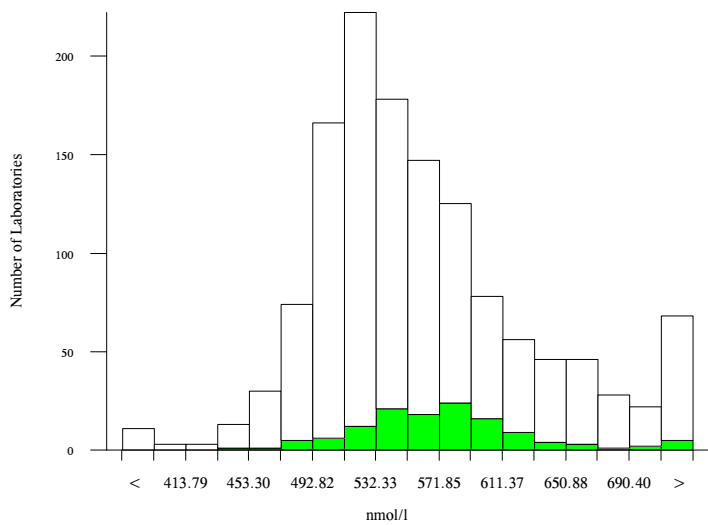


# Cortisol, nmol/l

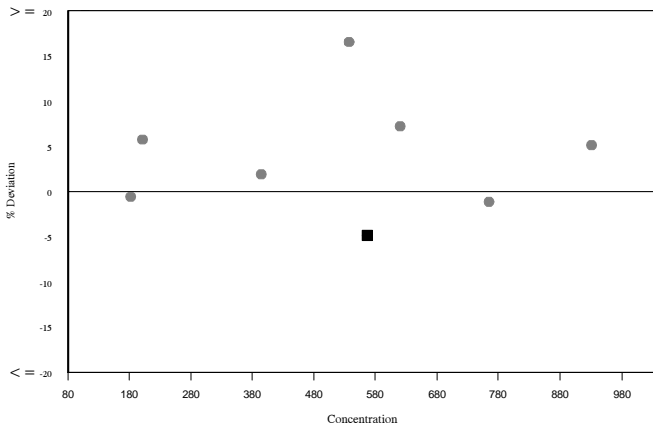
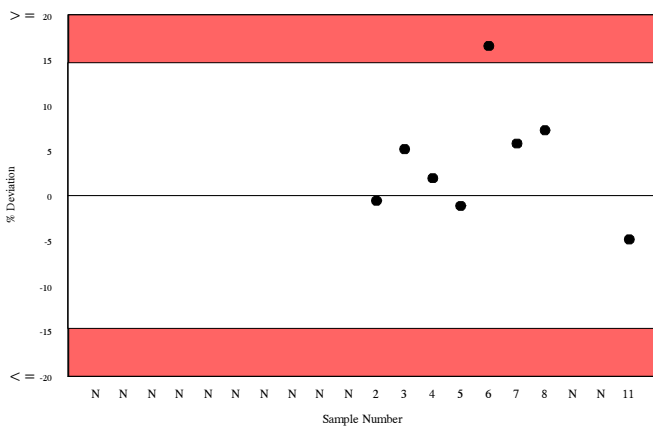
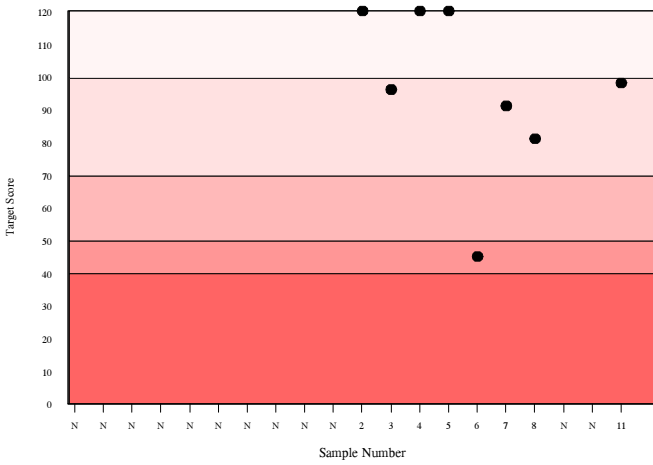
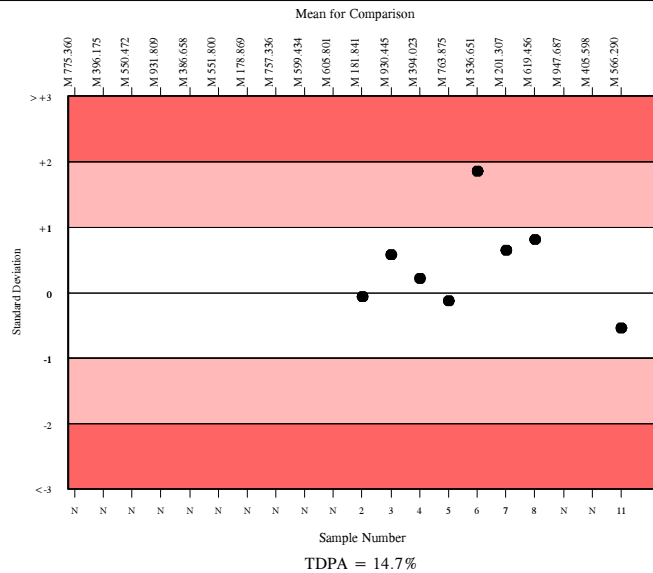
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	1214	552.096	9.5	1.89	49.34	102
Roche Cobas 4000/e411	118	566.290	7.1	4.63	50.61	10

▲ Your Result	538.800	SDI	-0.54
		RMSDI	Too Few
■ Mean for Comparison	566.290	TS	98
		RMTS	Too Few
		%DEV	-4.9
		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	235	527.733	4.9	2.11
Roche Cobas 6000/8000	167	537.289	7.5	3.91
Roche Cobas 6000/8000 Gen II	142	518.827	3.8	2.08
Siemens Centaur XP/XPT/Classic	124	659.652	7.4	5.44
Roche Cobas 4000/e411	118	566.290	7.1	4.63
Beckman DxI 600 / 800	109	560.355	6.4	4.33
Siemens/DPC Immulite 2000/2500	58	557.124	6.7	6.17
Roche Cobas 4000/e411 Gen II	35	561.991	4.3	5.09
Roche Elecsys	28	571.493	8.5	11.52
Ortho Vitros 3600/5600/ECi	27	497.165	4.0	4.81
Beckman Access/LXi725	25	583.216	7.1	10.41
Siemens/DPC Immulite 1000	24	587.302	10.3	15.36
bioMerieux, VIDAS	20	500.019	10.0	14.00
Tosoh	16	590.457	4.3	8.01
SNIBE Maglumi analysers	17	661.130	5.1	10.19
CIS, RIA	14	494.706	6.9	11.33
Diasorin Liaison	15	654.279	12.6	26.57
Siemens Centaur CP	8	717.457	13.7	43.59
Roche Modular E170 Gen II	8	512.967	7.4	16.85
Roche Modular E170	6	515.919	2.3	6.12
Roche Elecsys Gen II	3	588.098	17.1	72.66

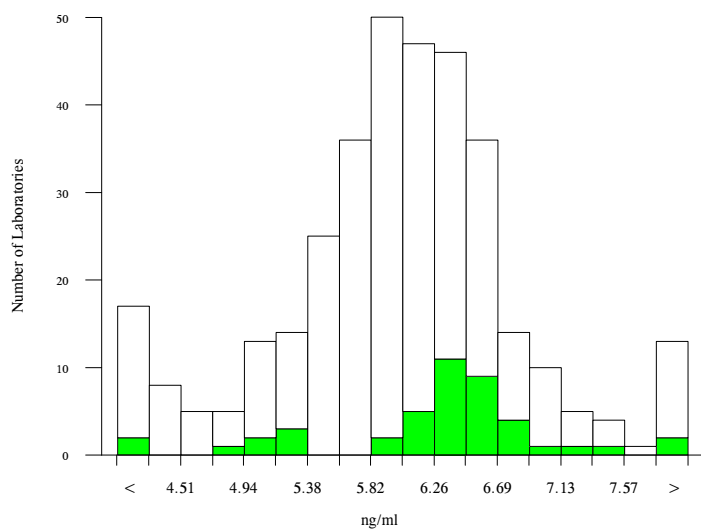


# C-Peptide, ng/ml

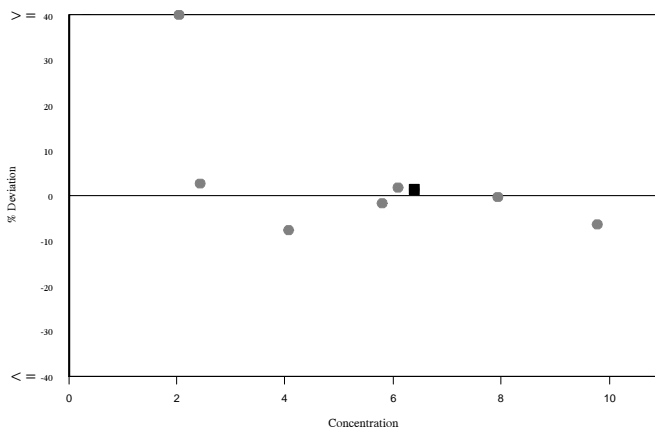
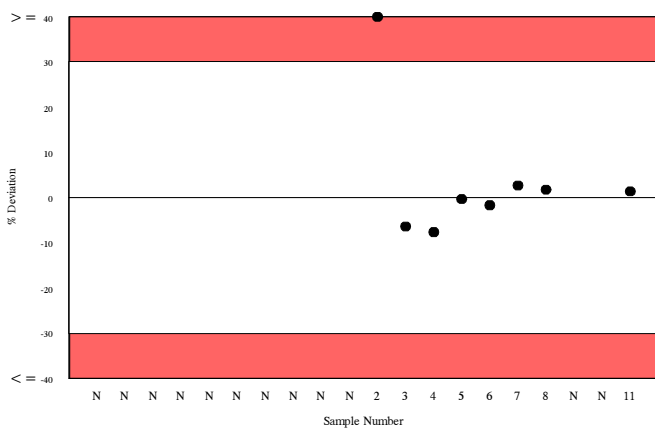
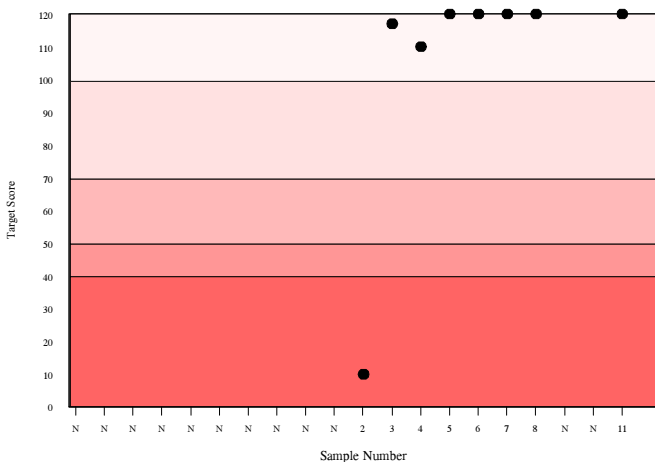
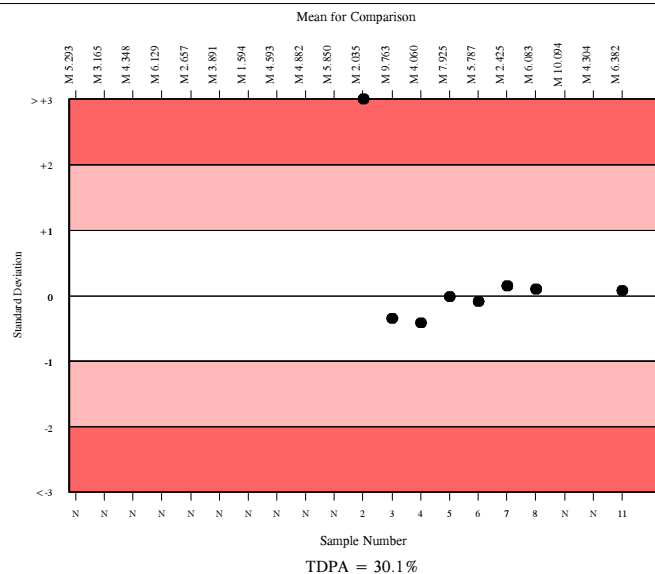
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	313	6.042	9.7	0.04	1.11	37
Roche Cobas 4000/e411	38	6.382	7.7	0.10	1.17	6

▲ Your Result	6.470	SDI	0.08
		RMSDI	Too Few
■ Mean for Comparison	6.382	TS	120
		RMTS	Too Few
		%DEV	1.4
		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	74	6.286	4.4	0.04
Abbott Architect	50	5.860	5.1	0.05
Siemens/DPC Immulite 2000/2500	48	5.872	5.3	0.06
Roche Cobas 4000/e411	38	6.382	7.7	0.10
Siemens Centaur XP/XPT/Classic	23	4.750	8.2	0.10
SNIBE Maglumi analysers	19	6.393	8.8	0.16
TOSOH	14	5.870	12.8	0.25
Roche Elecsys	9	6.332	7.4	0.19
Siemens/DPC Immulite 1000	7	5.580	7.6	0.20
Diasorin Liaison	6	7.033	11.6	0.42
DiaSorin Liaison XL	4	7.264	5.2	0.24
Roche Modular E170	4	6.085	0.9	0.03
ELISA	3	4.953	21.7	0.78
Fujirebio Lumipulse G Series	2	5.540	8.9	0.44
Monobind Inc. ELISA / CLIA	2	7.190	19.9	1.26
Siemens Centaur CP	2	4.025	14.6	0.52
DIAsource, RIA	2	4.520	16.9	0.67
DRG ELISA	2	4.625	28.9	1.18

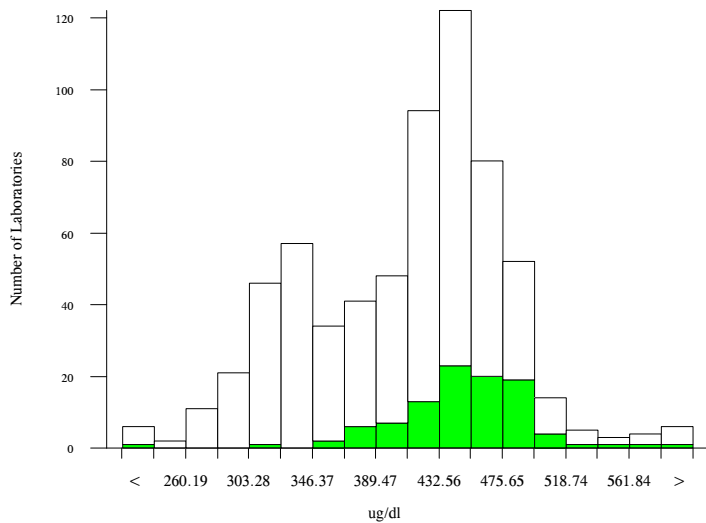


# DHEA-S, ug/dl

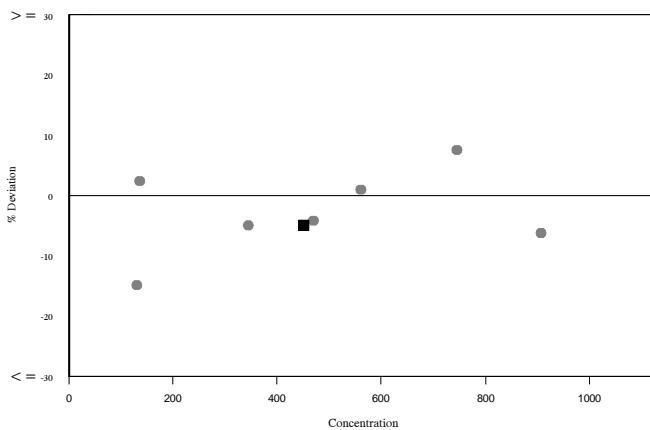
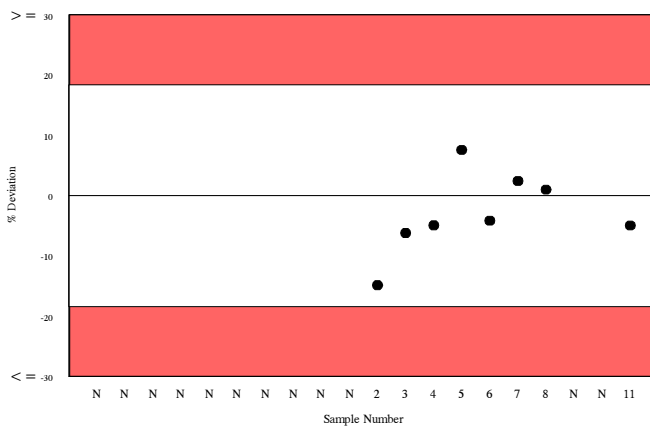
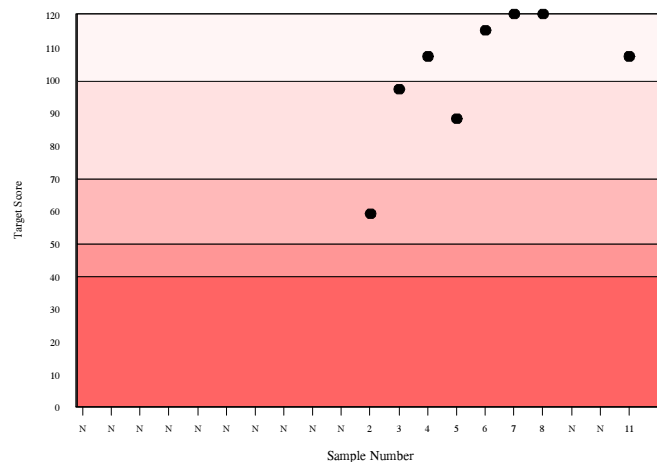
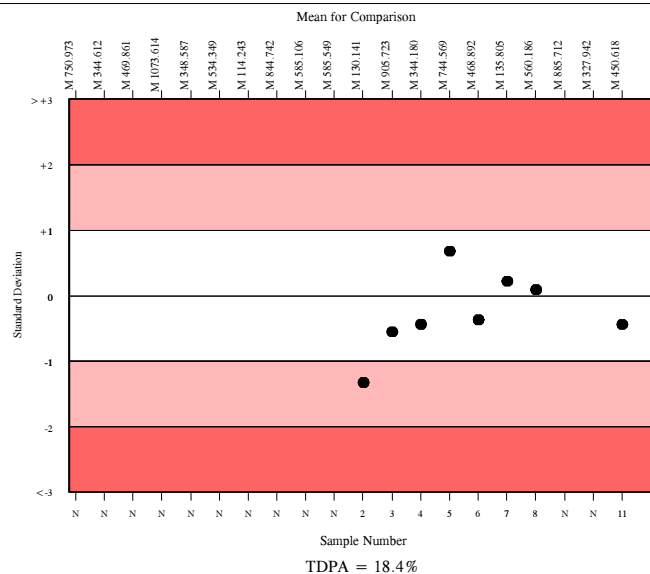
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	614	411.017	14.0	2.90	45.98	32
Roche Cobas 4000/e411	90	450.618	6.7	4.00	50.41	10

▲ Your Result	428.300	SDI	-0.44
		RMSDI	Too Few
■ Mean for Comparison	450.618	TS	107
		RMTS	Too Few
		%DEV	-5.0
		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	142	455.309	4.8	2.27
Abbott Architect	105	422.345	3.9	2.00
Roche Cobas 4000/e411	90	450.618	6.7	4.00
Siemens/DPC Immulite 2000/2500	71	327.258	8.4	4.09
Beckman DxI 600 / 800	51	350.237	6.6	4.04
Siemens Centaur XP/XPT/Classic	28	318.255	6.5	4.89
Roche Elecsys	20	454.478	9.0	11.39
Siemens/DPC Immulite 1000	15	324.091	10.5	10.96
SNIBE Maglumi analysers	15	433.625	4.7	6.55
Roche Modular E170	10	458.248	2.0	3.61
TOSOH	11	433.475	3.2	5.20
Diasorin Liaison	4	315.884	0.6	1.20
DiaSorin Liaison XL	6	309.681	12.1	19.16
Immunotech RIA	5	309.677	14.5	25.04
Beckman Access/LXi725	5	364.122	10.3	20.94
ELISA	4	366.648	17.5	40.11
Siemens Centaur CP	2	410.550	7.4	26.93

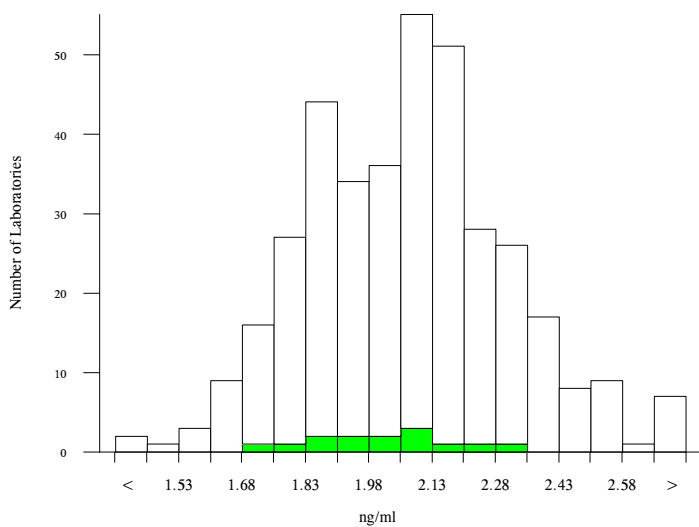


# Digoxin, ng/ml

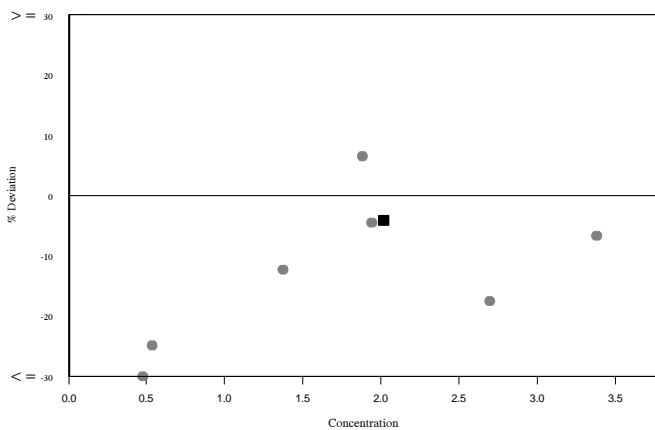
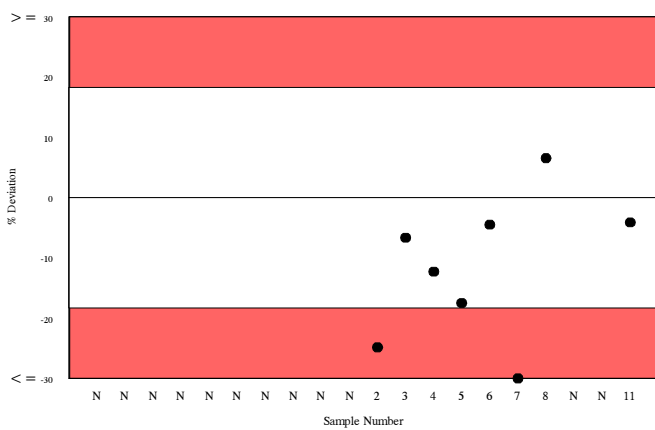
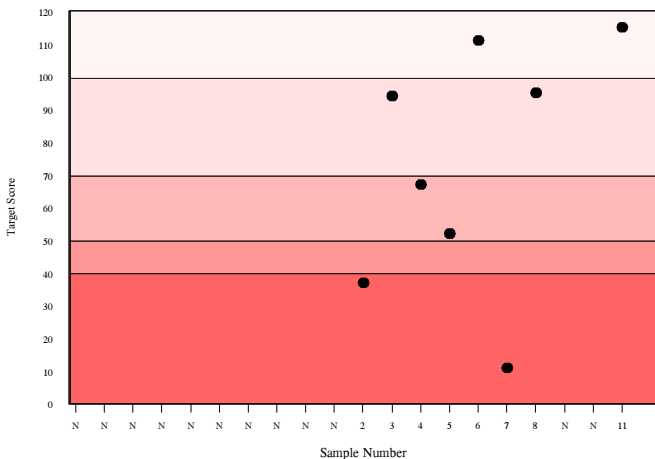
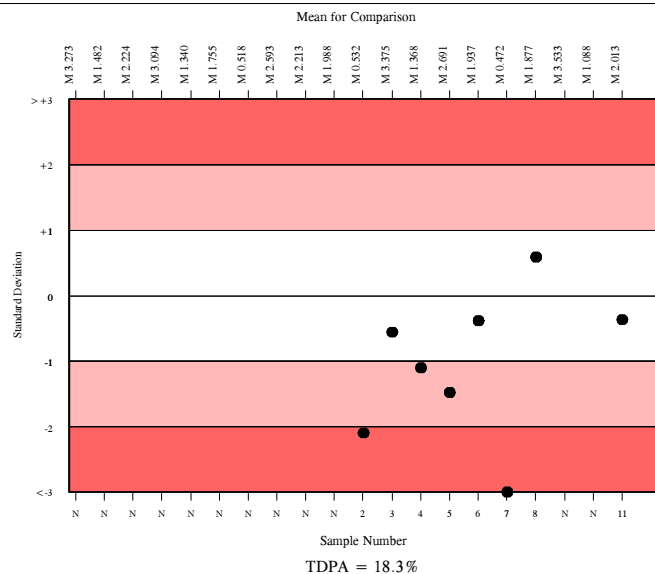
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	351	2.058	9.7	0.01	0.23	23
bioMerieux, VIDAS	14	2.013	8.0	0.05	0.22	0

▲ Your Result	1.930	SDI RMSDI	-0.37 Too Few
■ Mean for Comparison	2.013	TS RMTS	115 Too Few
		%DEV RM%DEV	-4.1 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)	89	1.849	4.9	0.01
Roche Cobas E601/602/801	37	2.137	4.4	0.02
Roche Cobas C501/502/701	28	2.140	2.7	0.01
Siemens Centaur XP/XPT/Classic	27	2.422	4.7	0.03
Abbott Architect (PETINIA)	19	2.000	10.5	0.06
Siemens Dimension	13	2.113	2.7	0.02
bioMerieux, VIDAS	14	2.013	8.0	0.05
Beckman DxI 600 / 800	14	2.184	6.8	0.05
Beckman AU400/600/640/2700/5400	10	2.216	3.6	0.03
Roche Integra	12	2.130	5.4	0.04
Roche Cobas 4000/e411	12	2.186	8.0	0.06
SNIBE Maglumi analysers	10	2.138	6.3	0.05
Siemens/DPC Immulite 2000/2500	7	2.284	7.4	0.08
Siemens ADVIA 1200/1650/1800/2400	8	2.033	4.6	0.04
Vitros	7	1.973	4.2	0.04
Beckman DxC	7	1.858	5.3	0.05
Roche Elecsys	6	2.149	11.5	0.13
Roche Cobas 4000/c311	5	2.142	5.4	0.06
Siemens/DPC Immulite 1000	4	2.943	27.2	0.50
Roche Modular E170	3	2.163	3.3	0.05
Beckman Access/LXi725	3	2.077	5.7	0.09

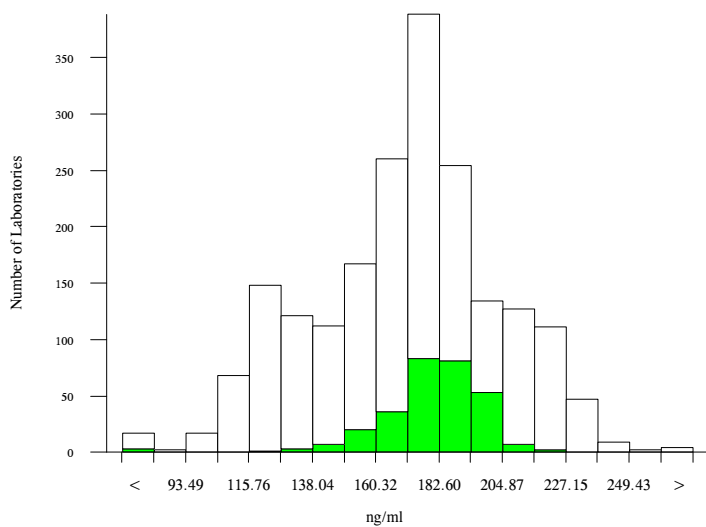


# Ferritin, ng/ml

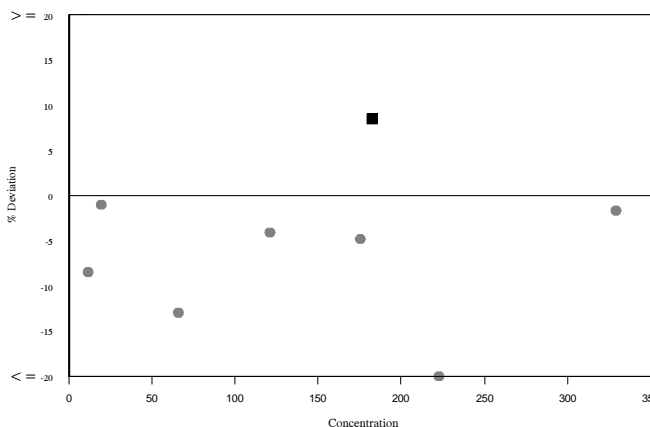
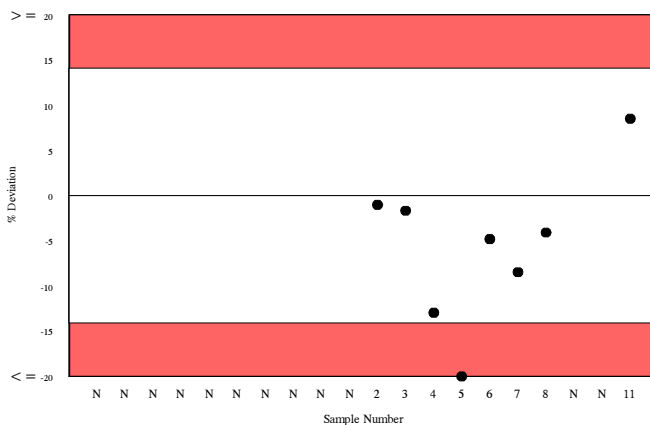
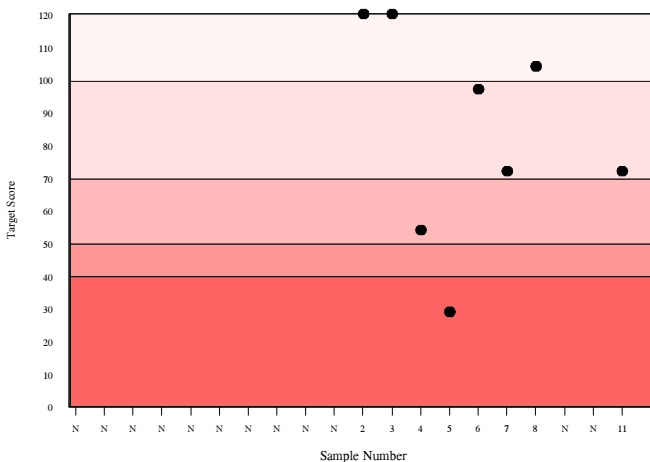
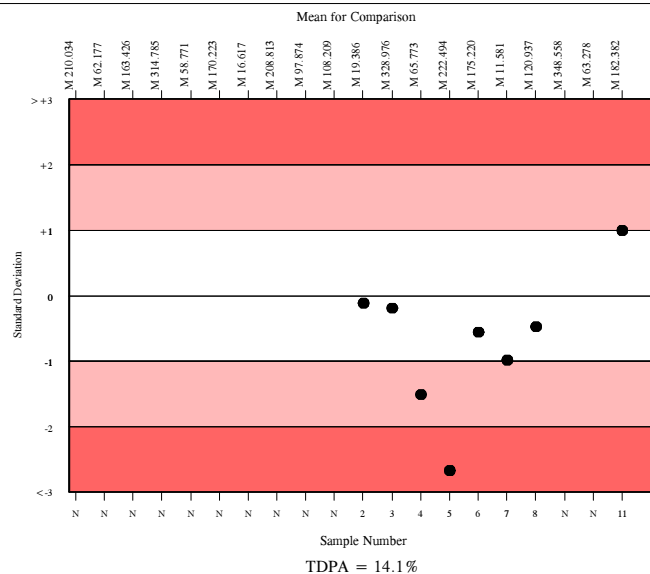
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	1918	171.462	17.3	0.85	14.70	71
Roche Elecsys / Cobas e411	277	182.382	7.1	0.97	15.63	19

▲ Your Result	197.900	SDI	0.99
		RMSDI	Too Few
■ Mean for Comparison	182.382	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	403	179.000	4.2	0.47
Abbott Architect Chemiluminescence	318	215.456	5.0	0.75
Roche Elecsys / Cobas e411	277	182.382	7.1	0.97
Siemens Centaur XP/XPT/Classic	197	166.618	5.5	0.81
Beckman DxI 600 / 800	175	124.124	5.8	0.68
Beckman Access/LXi725	55	125.120	6.4	1.35
bioMerieux, VIDAS	50	153.925	10.5	2.85
Roche Cobas C501/502/701	47	154.564	9.2	2.59
Siemens/DPC Immulite 2000/2500	41	164.332	5.3	1.69
Ortho Vitros 3600/5600/ECi	41	114.815	4.5	1.01
Tosoh	28	124.296	7.3	2.14
Diasorin Liaison	28	176.483	9.7	4.06
Roche Cobas 4000/c311	23	180.965	7.9	3.73
Siemens Centaur CP	23	156.837	4.8	1.95
Beckman AU400/600/640/2700/5400	19	147.254	3.1	1.29
Siemens Dimension	19	164.347	3.0	1.43
SNIBE Maglumi analysers	18	160.418	5.6	2.65
Siemens/DPC Immulite 1000	14	141.843	8.2	3.90
Roche Integra	12	174.255	6.1	3.85
Abbott Architect Quantia	8	169.601	25.6	19.19
Fujirebio Lumipulse G Series	8	99.188	5.5	2.42



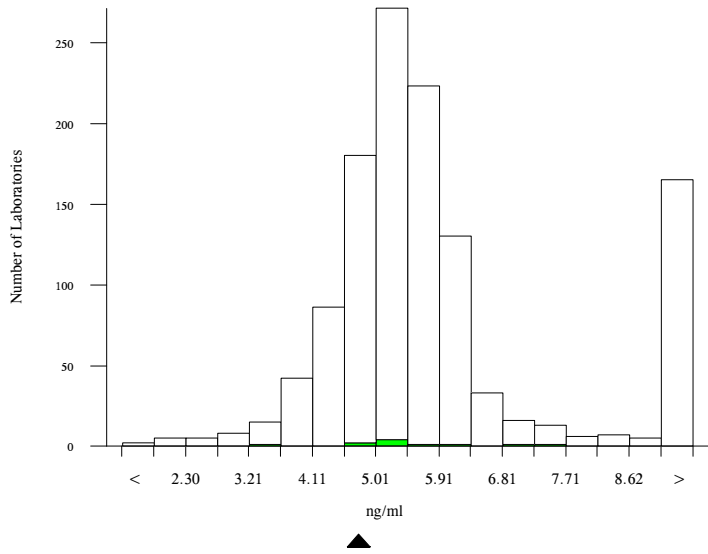
**RIQAS**

# Folate, ng/ml

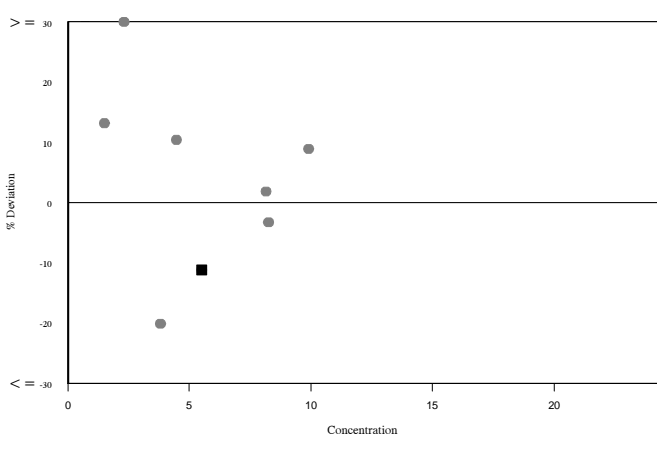
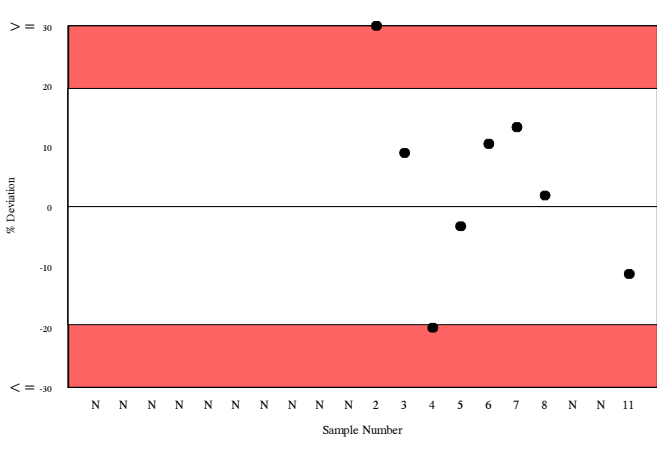
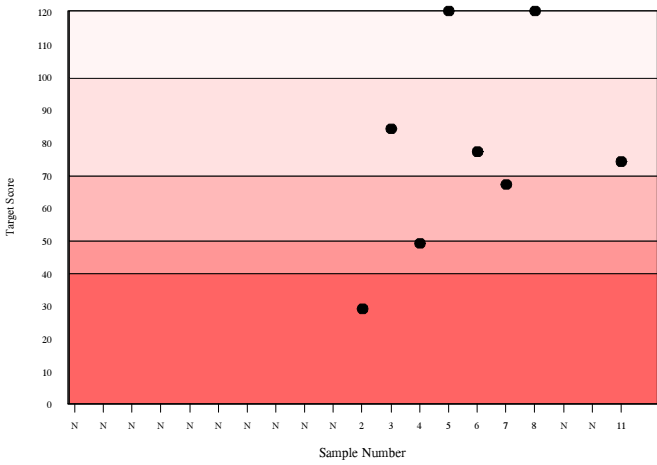
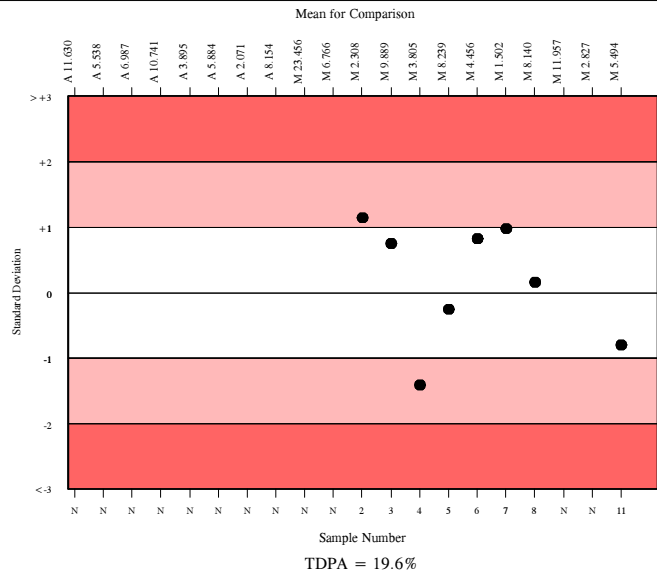
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	1074	5.465	22.0	0.05	0.65	138
Roche Folate III - 04476433	11	5.494	19.1	0.40	0.76a	0

▲ Your Result	4.880	SDI	-0.80
		RMSDI	Too Few
■ Mean for Comparison	5.494	TS	74
		RMTS	Too Few
		%DEV	-11.2
		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	227	5.007	8.5	0.04
Siemens Centaur XP/XPT/Classic(enhanced)	138	12.313	10.8	0.14
Roche Cobas 6000/8000	118	5.411	6.5	0.04
Roche Cobas 6000/8000 Folate III	110	5.413	5.6	0.04
Beckman DxI 600 / 800 - A98032	85	5.879	5.4	0.04
Roche Cobas 4000/e411	72	4.997	13.7	0.10
Roche Folate III - 07559992	70	5.327	7.9	0.06
Beckman DxI 600 / 800 - A14208	62	5.868	5.2	0.05
Roche cobas 4000/e411 Folate III	46	4.960	10.8	0.10
Siemens/DPC Immulite 2000	38	4.246	8.3	0.07
Beckman Access/LXi725	32	6.059	5.9	0.08
Ortho Vitros 3600/5600/ECi	21	3.860	12.9	0.14
Roche Elecsys	19	5.450	19.8	0.31
SNIBE Maglumi Analyser	11	7.341	3.7	0.10
TOSOH	11	8.893	9.9	0.33
Roche Folate III - 04476433	11	5.494	19.1	0.40
Roche Modular E170	8	5.683	14.7	0.37
Siemens Dimension	6	3.072	7.0	0.11
Siemens Centaur CP (enhanced kit)	6	12.560	17.8	1.14
Roche Modular E170 Folate III	6	5.526	8.5	0.24
MP Biomedicals RIA	4	4.638	17.8	0.52



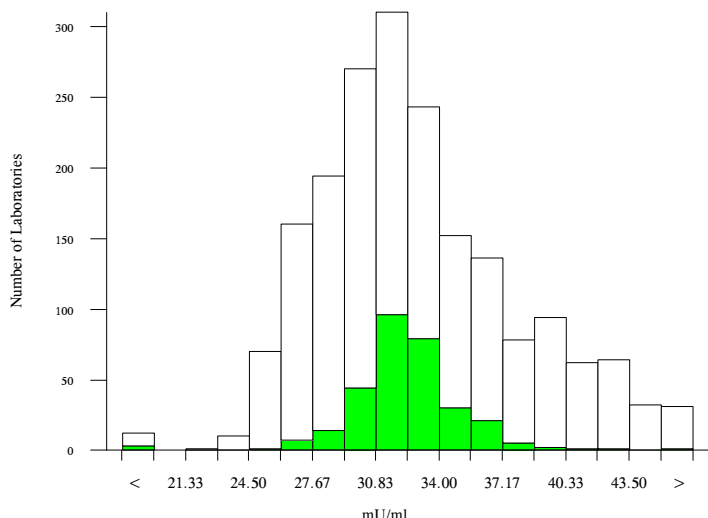


# FSH, mU/ml

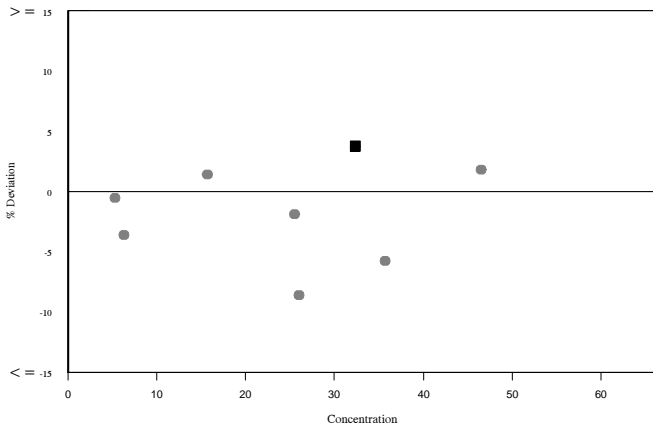
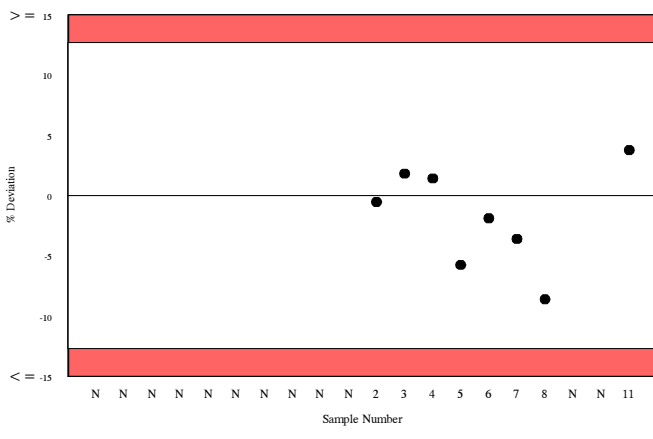
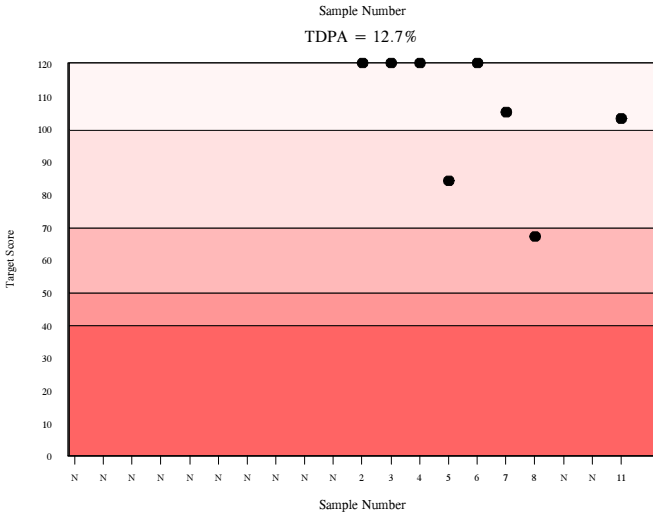
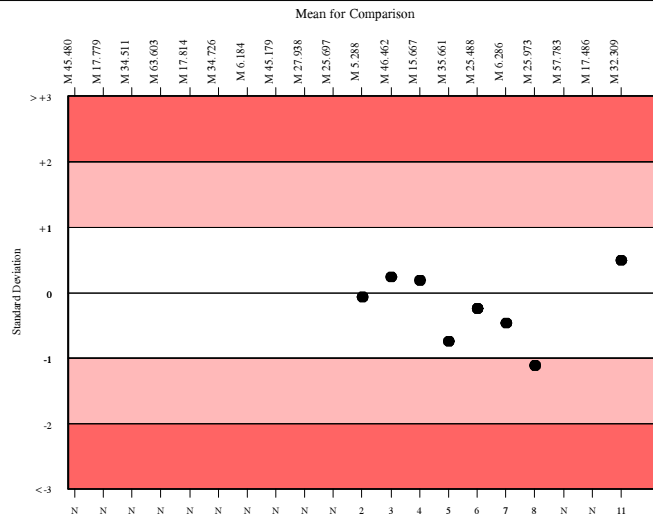
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	1815	32.420	13.0	0.12	2.50	105
Roche Cobas 4000/e411	278	32.309	5.5	0.13	2.49	28

▲ Your Result	33.530	SDI	0.49
		RMSDI	Too Few
■ Mean for Comparison	32.309	TS	103
		RMTS	Too Few
		%DEV	3.8
		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	386	30.999	4.4	0.09
Abbott Architect	311	27.745	4.7	0.09
Roche Cobas 4000/e411	278	32.309	5.5	0.13
Siemens Centaur XP/XPT/Classic	184	41.279	5.6	0.21
Beckman DxI 600/800	155	34.095	6.3	0.22
bioMerieux, VIDAS	95	39.222	7.5	0.38
Siemens/DPC Immulite 2000/2500	58	36.856	5.1	0.31
Roche Elecsys	48	32.535	7.5	0.44
Beckman Access/LXi725	50	33.343	6.3	0.37
Ortho Vitros 3600/5600/ECi	37	26.422	2.8	0.15
Tosoh	32	32.556	7.5	0.54
Siemens/DPC Immulite 1000	30	35.852	6.3	0.52
SNIBE Maglumi analysers	22	35.751	4.5	0.43
Siemens Centaur CP	19	34.119	6.6	0.64
Diasorin Liaison	18	39.722	7.8	0.91
Roche Modular E170	16	30.824	2.9	0.28
Fujirebio Lumipulse G Series	9	25.649	4.3	0.46
DiaSorin Liaison XL	5	49.644	4.3	1.19
DIAsource, IRMA	4	31.175	7.3	1.43
ELISA	3	31.168	14.8	3.32
Immunotech IRMA	3	24.810	3.0	0.53

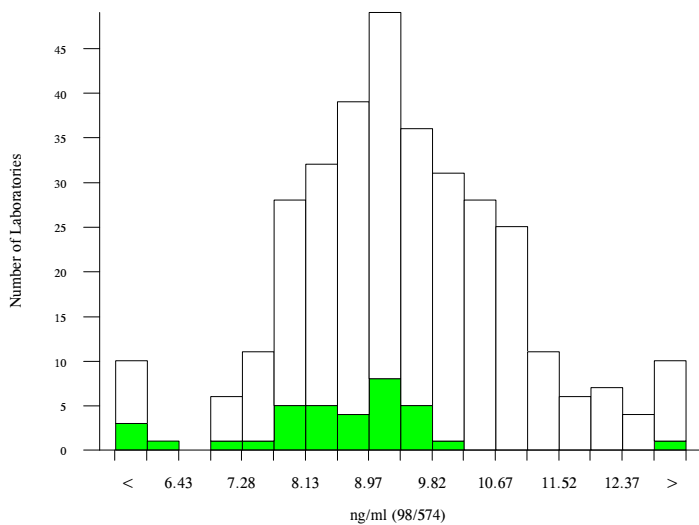


# GH, ng/ml (98/574)

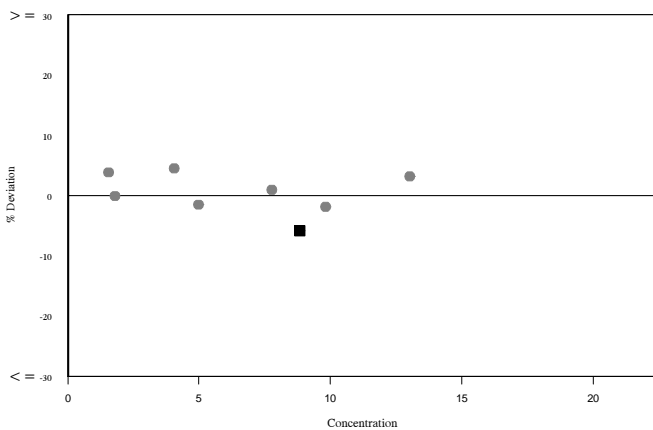
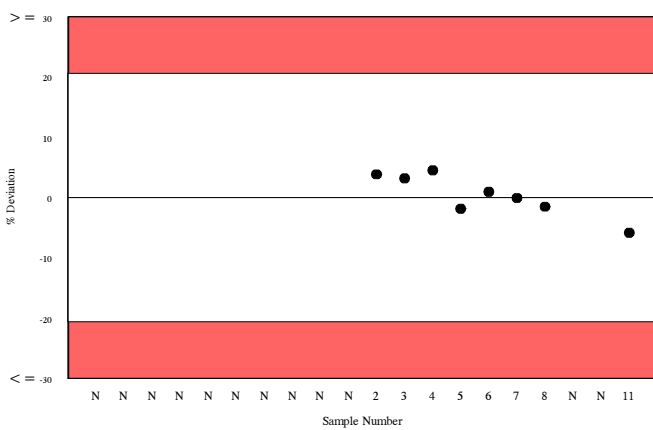
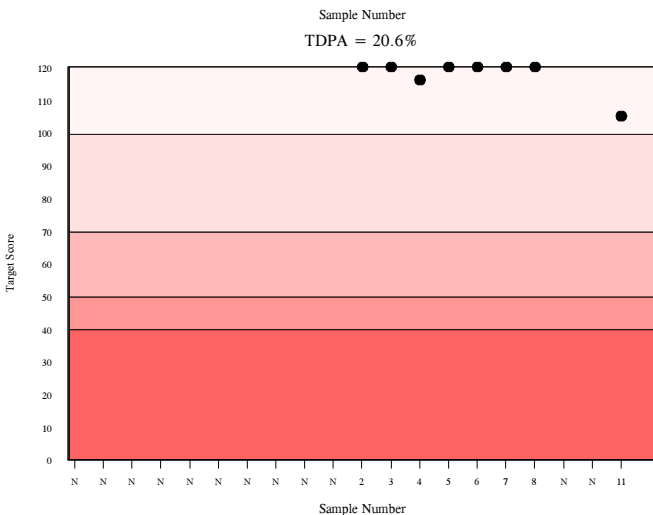
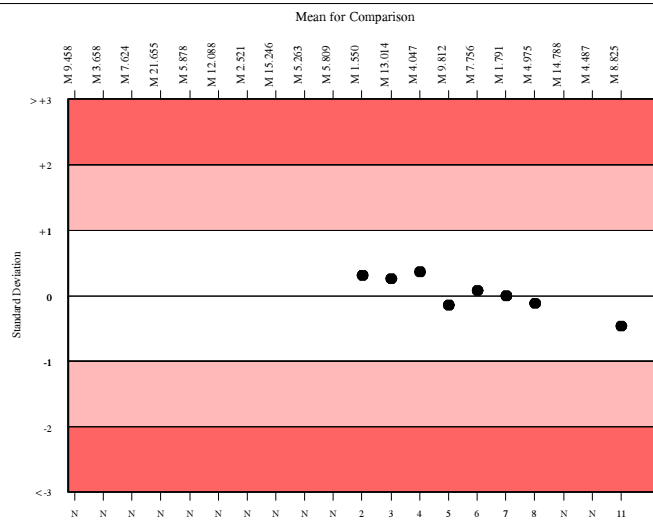
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
<span style="color: grey;">□</span> All Methods	307	9.404	12.0	0.08	1.18	27
<span style="color: green;">■</span> Roche Cobas 4000/e411	29	8.825	7.2	0.15	1.11	6

<span style="color: black;">▲</span> Your Result	8.310	SDI RMSDI	-0.47 Too Few
<span style="color: green;">■</span> Mean for Comparison	8.825	TS RMTS	105 Too Few
		%DEV RM%DEV	-5.8 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	104	10.306	6.0	0.08
Roche Cobas 6000/8000	41	8.805	4.9	0.08
Roche Cobas 4000/e411	29	8.825	7.2	0.15
Siemens/DPC Immulite 1000	25	9.235	5.0	0.12
Beckman DxI 600 / 800	19	7.945	6.5	0.15
Diasorin Liaison	13	8.314	6.5	0.19
SNIBE Maglumi analysers	13	12.447	3.7	0.16
DiaSorin Liaison XL	11	8.714	11.0	0.36
Beckman Access/LXi725	10	8.127	6.3	0.20
IDS iSYS	9	8.664	5.9	0.21
Tosoh	6	10.228	9.8	0.51
CIS, IRMA	4	9.465	5.2	0.31
ELISA	2	11.675	22.8	2.36
Roche Elecsys	3	8.747	5.9	0.37
DIAsource IRMA	2	8.197	1.7	0.12
Monobind Inc. ELISA	2	13.733	5.8	0.71

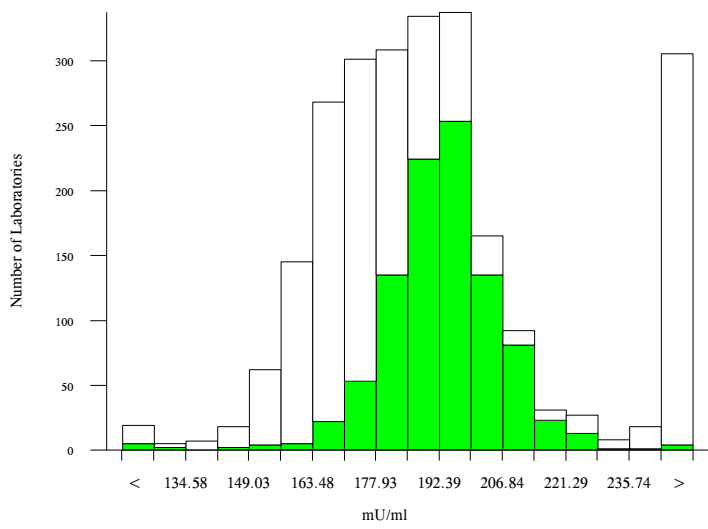


# hCG, mU/ml

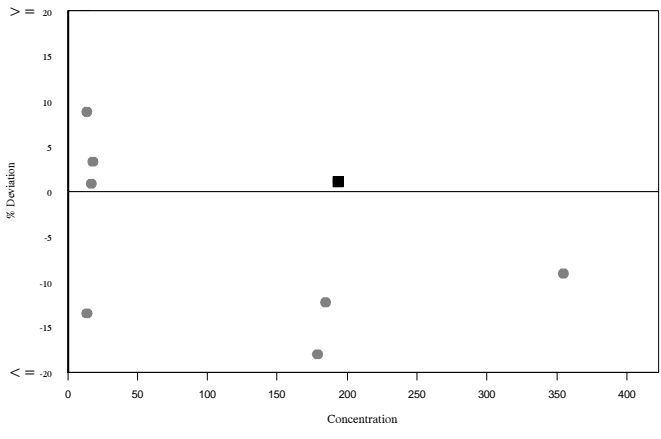
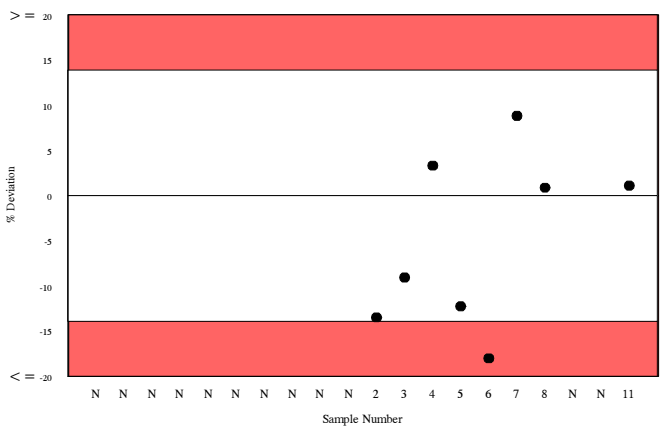
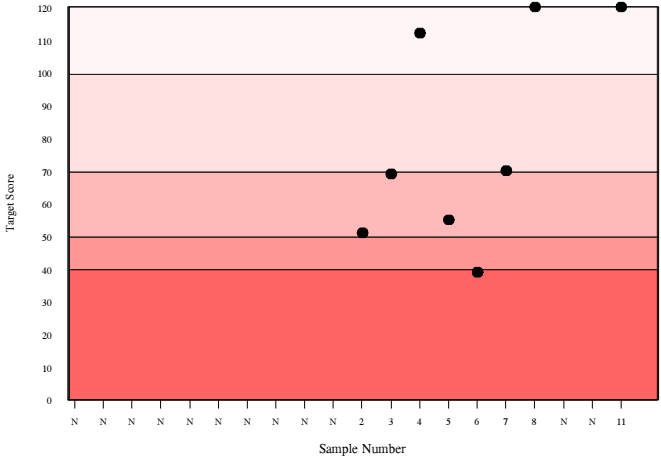
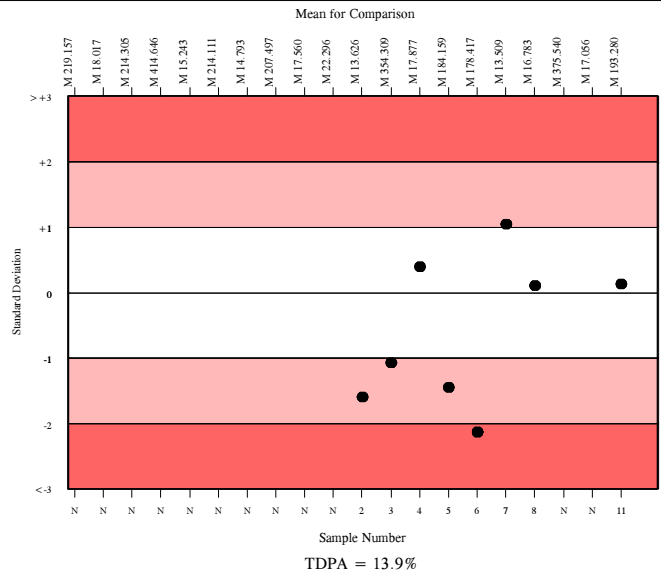
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	2165	185.165	10.4	0.52	15.65	287
Roche hCG + Beta	893	193.280	5.0	0.41	16.33	71

▲ Your Result	195.400	SDI	0.13
		RMSDI	Too Few
■ Mean for Comparison	193.280	TS	120
		RMTS	Too Few
		%DEV	1.1
		RM%DEV	Too Few

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



Method	N	Mean	CV%	U <sub>m</sub>
Roche hCG+Beta	893	193.280	5.0	0.41
Abbott Architect	411	168.331	4.6	0.47
Siemens Centaur XP/XPT/Classic	188	168.973	4.2	0.64
Beckman DxI 600 / 800	122	184.677	4.6	0.96
bioMerieux, VIDAS	118	264.641	8.6	2.63
Roche hCG STAT(Intact)	75	188.840	4.3	1.16
Siemens/DPC Immulite 2000	60	329.388	8.4	4.49
Ortho Vitros 3600/5600/ECi	53	269.497	4.4	2.05
Beckman Access/LXi725	46	181.539	5.5	1.83
Beckman Access Total BhCG (5th IS)	50	181.828	4.8	1.53
Siemens Centaur CP	44	166.675	4.9	1.54
Beckman DXI Total BhCG (5th IS)	38	184.830	5.2	1.96
Siemens/DPC Immulite 1000	29	337.231	9.5	7.40
Tosoh	24	267.447	6.8	4.62
SNIBE Maglumi analysers	18	203.812	4.8	2.90
Diasorin Liaison	17	174.698	13.7	7.24
Siemens Dimension	17	263.184	4.8	3.81
DiaSorin Liaison XL	11	173.691	7.1	4.66
Roche Cobas Core EIA	10	196.410	7.0	5.41
Fujirebio Lumipulse G Series	9	144.167	4.4	2.63
Radiometer AQT90 Flex	6	172.833	2.6	2.31



# IgE, U/ml

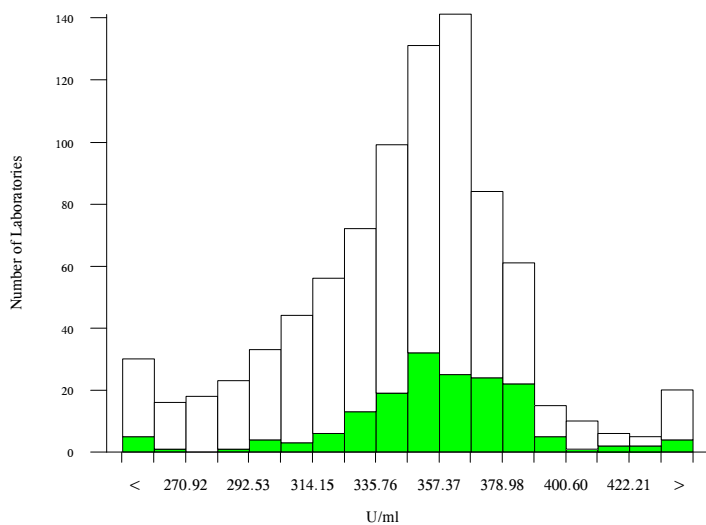
All Methods

Roche Cobas 4000/e411

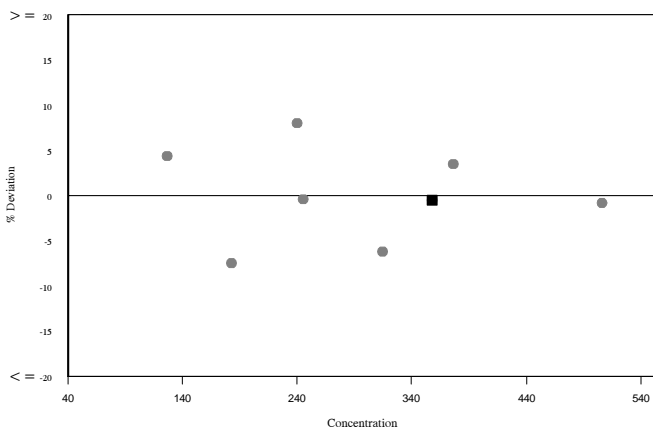
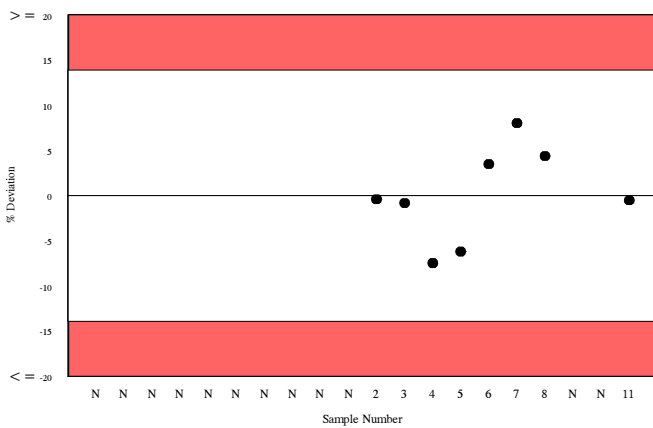
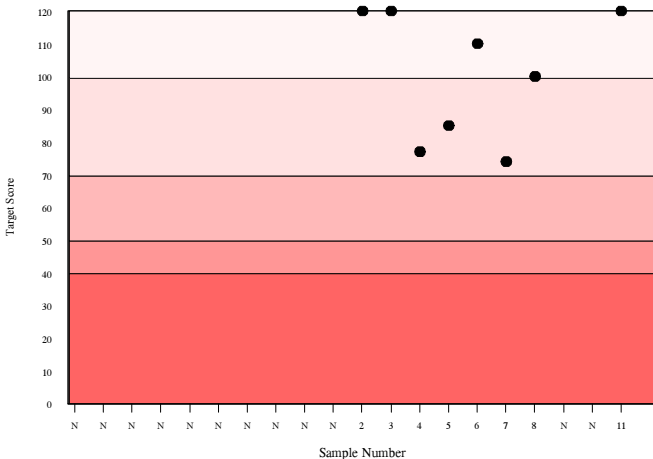
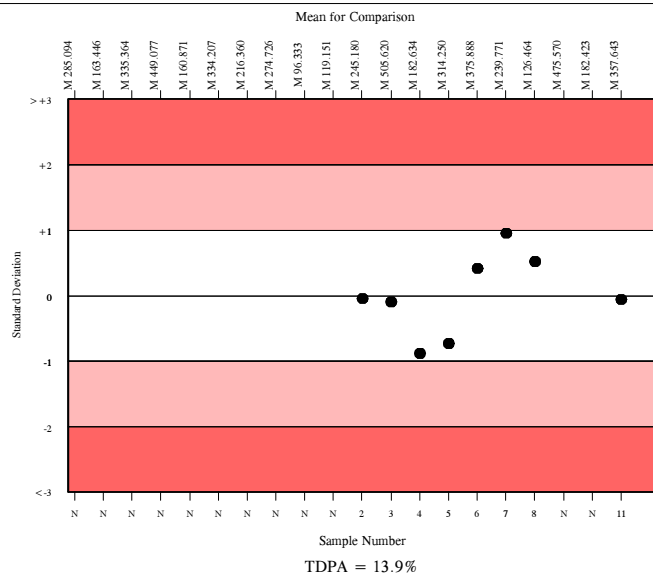
N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
793	346.571	8.3	1.28	29.29	71
154	357.643	6.2	2.24	30.22	15

▲ Your Result	355.800	SDI	-0.06
		RMSDI	Too Few
■ Mean for Comparison	357.643	TS	120
		RMTS	Too Few
		%DEV	-0.5
		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	361.275	3.9	1.33
Roche Cobas 4000/e411	154	357.643	6.2	2.24
Siemens/DPC Immulite 2000/2500	94	350.400	9.1	4.11
Siemens Centaur XP/XPT/Classic	81	327.774	5.5	2.51
bioMerieux, VIDAS	54	288.137	9.5	4.64
Abbott Architect	45	352.808	5.1	3.33
TOSOH	29	340.336	4.7	3.74
Siemens/DPC Immulite 1000	23	355.474	10.3	9.55
Phadia Immucap instruments	18	327.000	5.9	5.64
Roche Elecsys	18	359.500	4.9	5.15
Beckman Dxi 600 / 800	20	333.720	11.2	10.41
SNIBE Maglumi analysers	13	294.202	4.7	4.83
Roche Modular E170	13	359.950	3.1	3.90
Siemens Centaur CP	8	334.638	9.8	14.50
Fujirebio Lumipulse G Series	6	276.545	6.3	8.89
Siemens/Dade Behring Nephelometer	5	358.600	4.9	9.78
Randox RX series Instruments	5	323.980	19.7	35.74
Beckman Access/LXi725	5	332.220	4.2	7.72
Biomed	4	364.450	8.8	19.97
ELISA	3	252.908	24.3	44.31
Beckman Immage	3	337.333	25.1	61.11

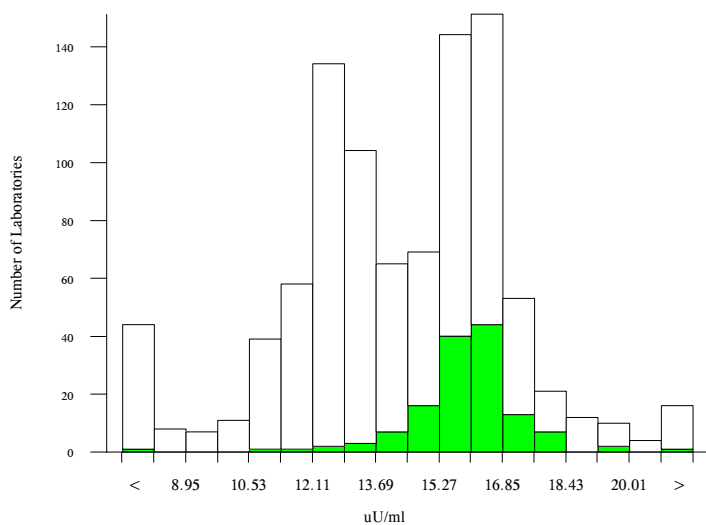


# Insulin, uU/ml

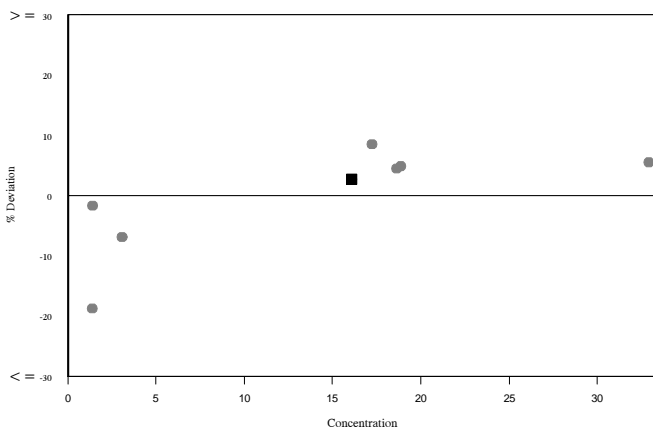
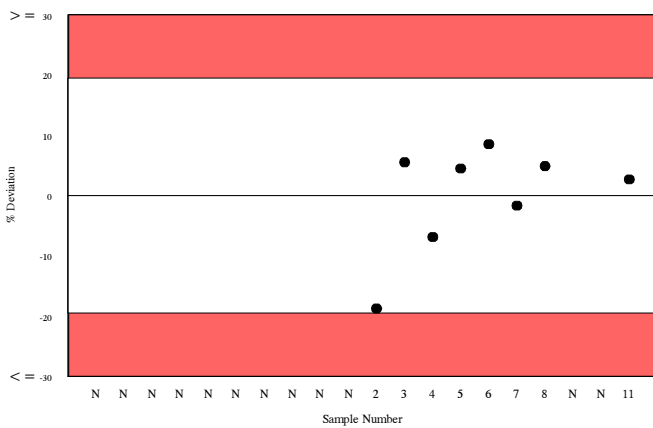
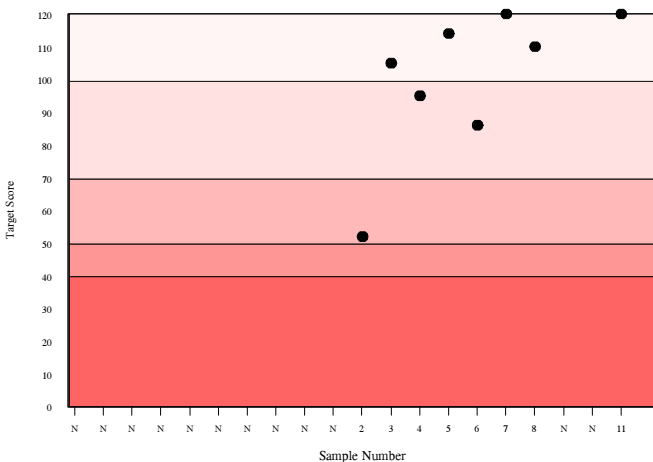
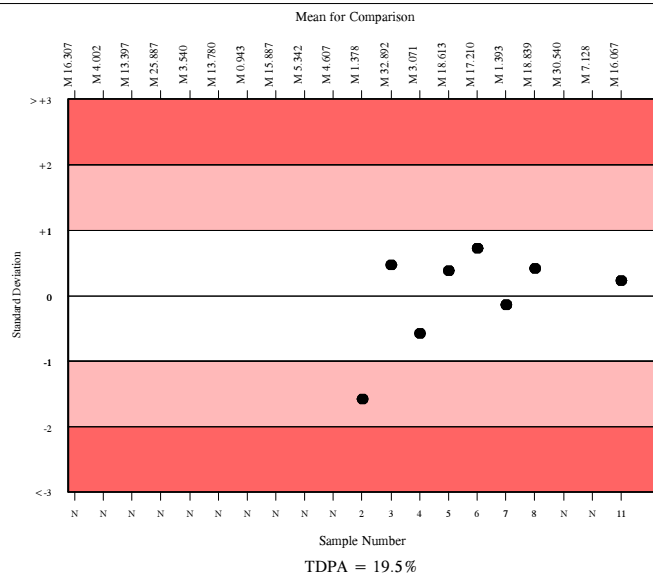
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	876	14.487	14.5	0.09	1.72	75
Roche Cobas 4000/e411	124	16.067	5.4	0.10	1.90	14

▲ Your Result	16.500	SDI	0.23
		RMSDI	Too Few
■ Mean for Comparison	16.067	TS	120
		RMTS	Too Few
		%DEV	2.7
		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	209	16.092	3.9	0.05
Abbott Architect	163	12.760	4.0	0.05
Roche Cobas 4000/e411	124	16.067	5.4	0.10
Beckman DxI 600 / 800	91	11.574	6.9	0.10
Siemens Centaur XP/XPT/Classic	75	13.580	8.7	0.17
Siemens/DPC Immulite 2000	38	7.209	22.8	0.33
Roche Elecsys	25	15.987	6.5	0.26
Tosoh	24	16.391	7.6	0.32
SNIBE Maglumi analysers	21	14.215	4.1	0.16
DiaSorin, Liaison	15	17.891	6.0	0.34
Siemens/DPC Immulite 1000	14	7.156	11.8	0.28
Roche Modular E170	14	15.548	6.4	0.33
Beckman Access/LXi725	10	12.323	6.2	0.30
Fujirebio Lumipulse G Series	10	14.733	9.9	0.58
Siemens Centaur CP	6	13.367	3.7	0.25
Diasource IRMA	3	20.903	7.1	1.06
DiaSorin Liaison XL	3	17.360	4.8	0.60
CIS, RIA coated tube	2	15.900	32.9	4.62
ELISA	2	11.110	90.5	8.89

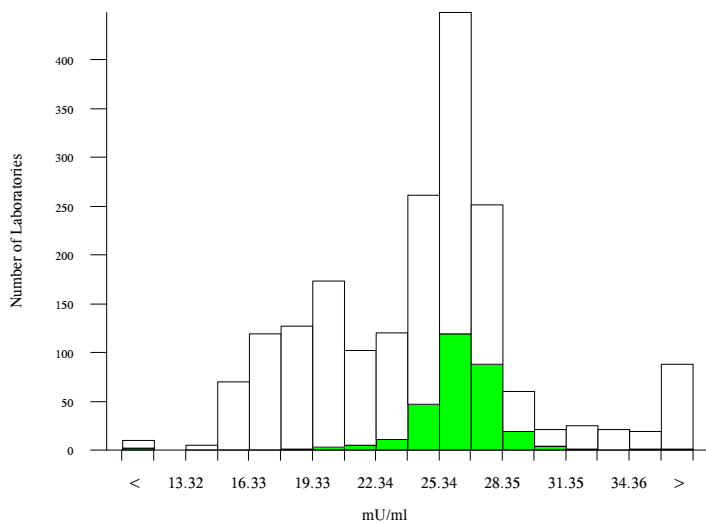


# LH, mU/ml

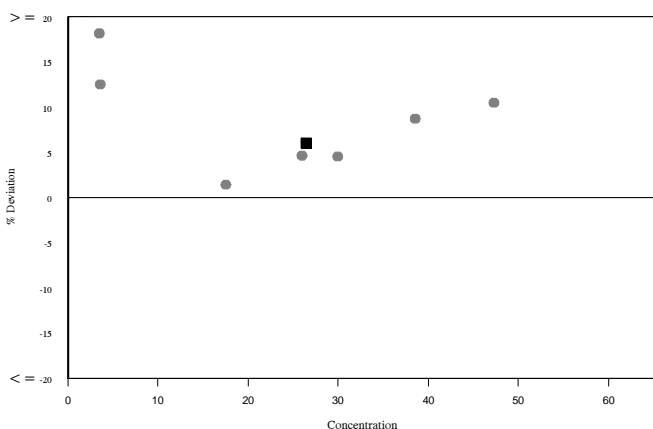
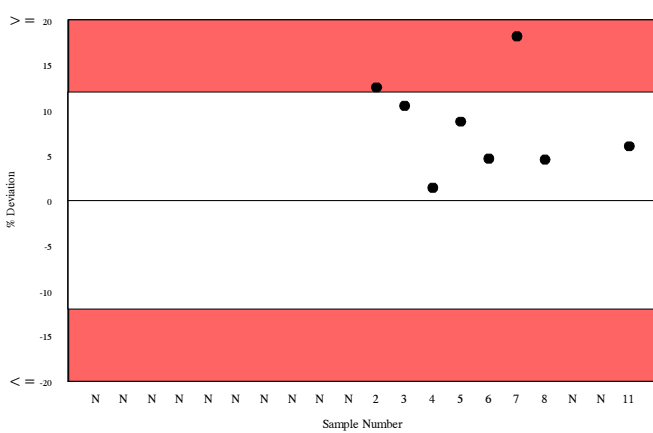
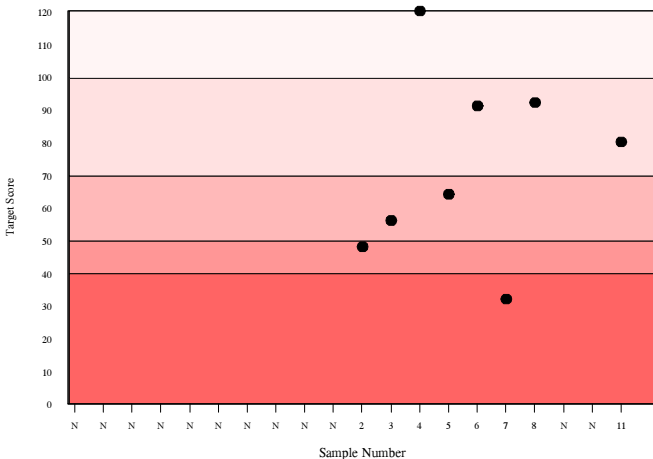
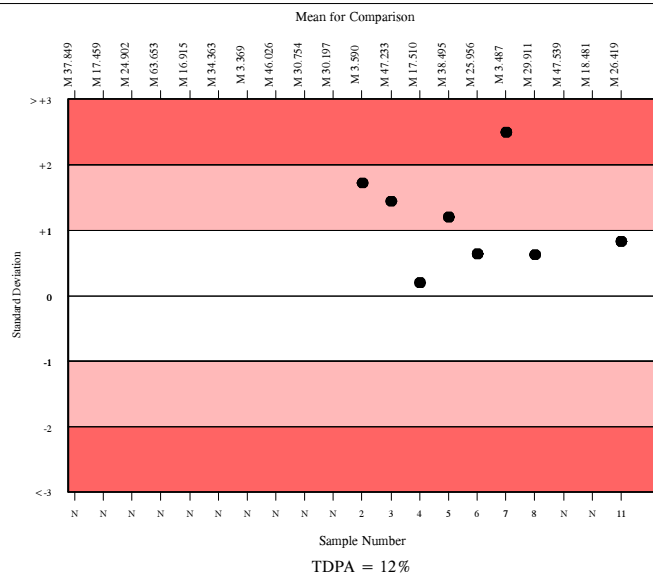
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	1798	23.845	16.8	0.12	1.74	122
Roche Cobas 4000/e411	271	26.419	4.4	0.09	1.93	31

▲ Your Result	28.010	SDI	0.83
		RMSDI	Too Few
■ Mean for Comparison	26.419	TS	80
		RMTS	Too Few
		%DEV	6.0
		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	386	26.254	3.2	0.05
Abbott Architect	300	19.802	6.2	0.09
Roche Cobas 4000/e411	271	26.419	4.4	0.09
Siemens Centaur XP/XPT/Classic	183	25.326	6.4	0.15
Beckman DxI 600 / 800	146	16.916	5.7	0.10
bioMerieux, VIDAS	89	23.377	5.0	0.15
Siemens/DPC Immulite 2000	55	38.210	6.1	0.39
Beckman Access/LXi725	48	17.113	6.4	0.20
Roche Elecsys	46	26.380	5.2	0.25
Tosoh	34	22.965	6.0	0.29
Ortho Vitros 3600/5600/ECi	37	32.597	4.3	0.29
Siemens/DPC Immulite 1000	29	39.293	5.4	0.49
Diasorin Liaison	21	31.102	6.4	0.54
SNIBE Maglumi analysers	22	27.370	4.3	0.31
Siemens Centaur CP	21	25.519	5.1	0.35
Roche Modular E170	20	25.837	3.7	0.27
Fujirebio Lumipulse G Series	8	22.190	4.0	0.39
DiaSorin Liaison XL	7	31.909	5.3	0.80
DIAsource, IRMA	4	15.586	9.6	0.94
Siemens Dimension	3	26.210	5.2	0.98
Immunotech IRMA	3	27.900	13.1	2.63

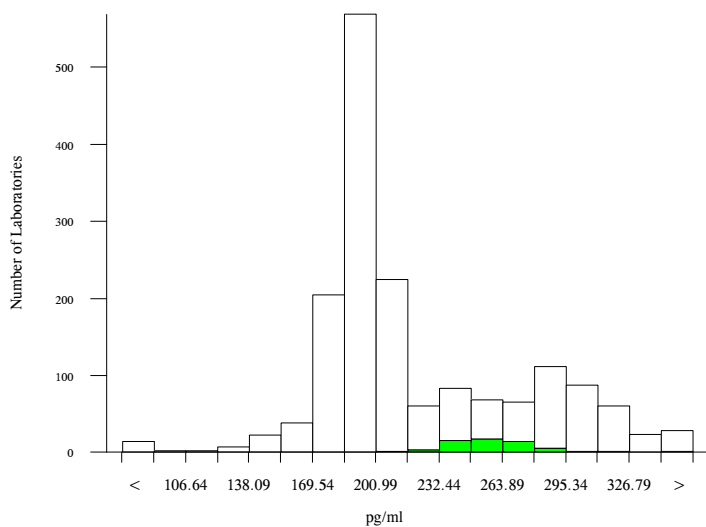


# Oestradiol, pg/ml

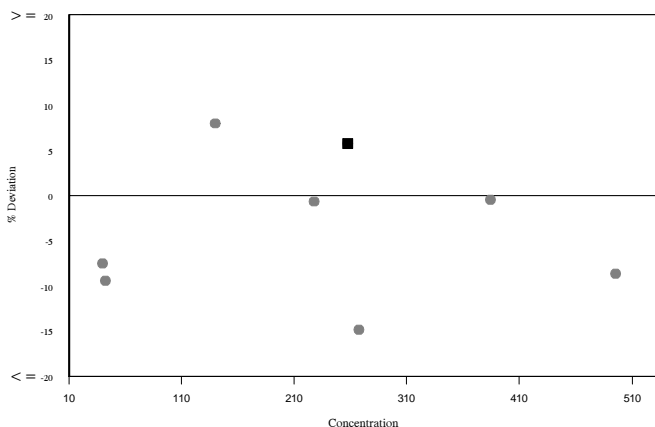
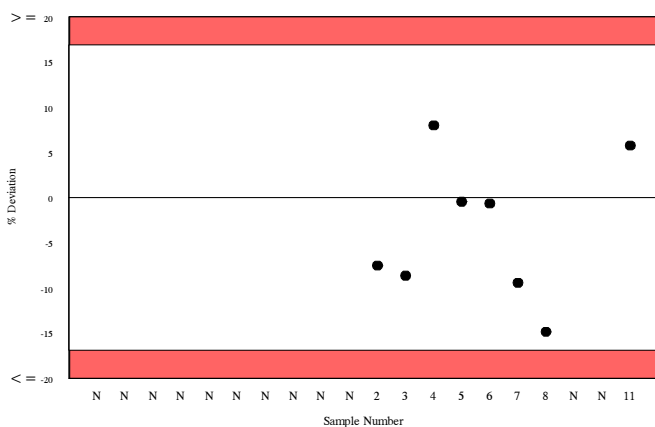
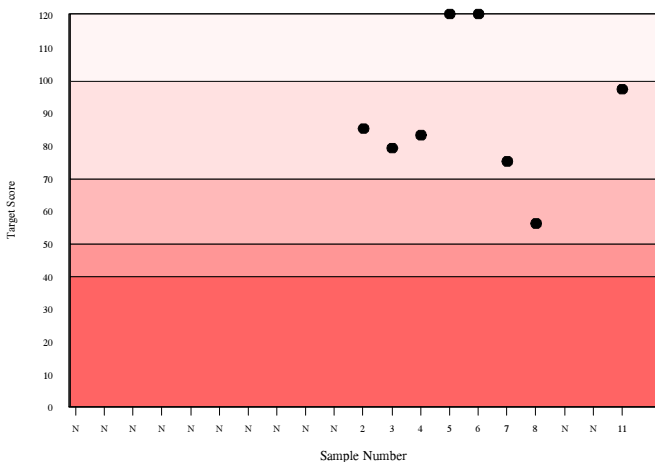
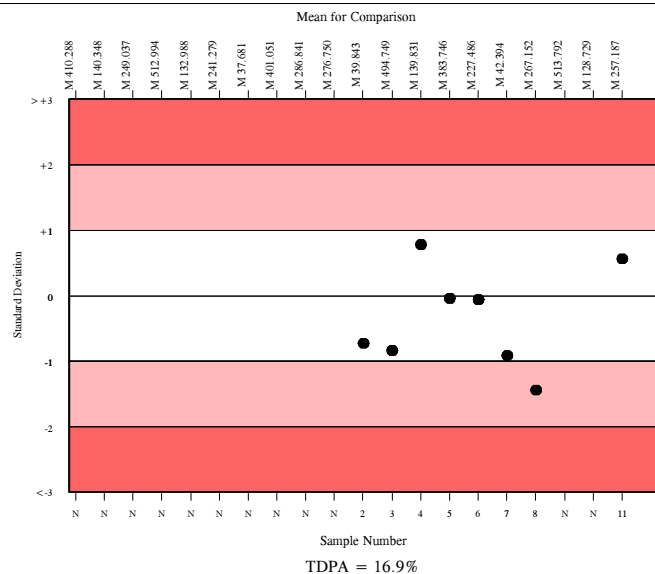
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	1569	216.716	19.3	1.32	22.27	98
Siemens/DPC Immulite 2000/2500	53	257.187	5.7	2.51	26.42	5

▲ Your Result	272.000	SDI	0.56
		RMSDI	Too Few
■ Mean for Comparison	257.187	TS	97
		RMTS	Too Few
		%DEV	5.8
		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	267	190.841	4.2	0.61
Roche Cobas 6000/8000 (Estradiol III)	222	194.051	3.9	0.63
Beckman Dxi 600 / 800	144	236.878	10.1	2.49
Roche Cobas 4000/e411 (Estradiol III)	118	194.910	4.0	0.90
Roche Cobas 6000/8000 (Estradiol II)	119	194.836	5.0	1.11
Roche Cobas 4000/e411 (Estradiol II)	110	191.948	5.6	1.27
Siemens Centaur XP/XPT/Classic (eE2)	96	291.149	3.9	1.44
bioMerieux, VIDAS	79	309.364	4.8	2.10
Siemens/DPC Immulite 2000/2500	53	257.187	5.7	2.51
Siemens Centaur XP/XPT/Classic	45	294.378	4.3	2.37
Beckman Access/LXi725	39	246.582	11.2	5.52
Roche Elecsys (Estradiol II)	29	191.772	7.0	3.10
Siemens/DPC Immulite 1000	25	266.309	8.8	5.89
Ortho Vitros 3600/5600/ECi	20	238.479	10.3	6.88
SNIBE Maglumi analysers	17	339.318	2.4	2.42
Tosoh (E2)	18	172.459	9.2	4.67
Roche Elecsys (Estradiol III)	14	196.525	2.4	1.60
Roche Modular E170 (Estradiol III)	14	192.089	5.7	3.66
Tosoh (iE2-hsE2)	12	181.925	5.7	3.72
Siemens Centaur CP	12	305.381	15.7	17.34
Diasorin Liaison	10	155.700	5.4	3.35

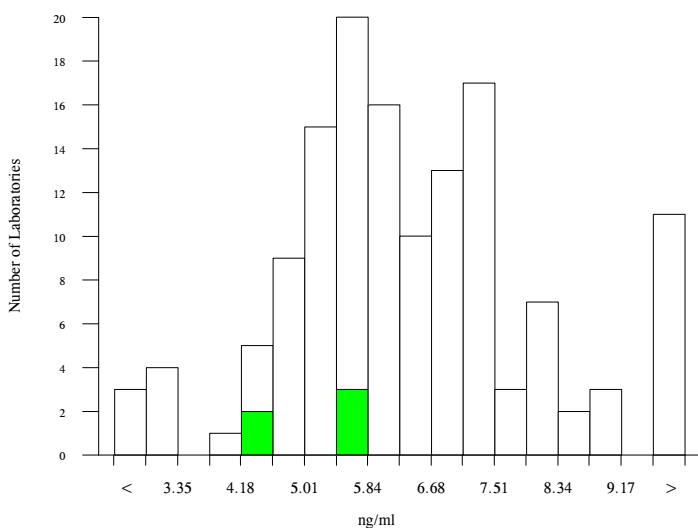


# 17-OH-Progesterone, ng/ml

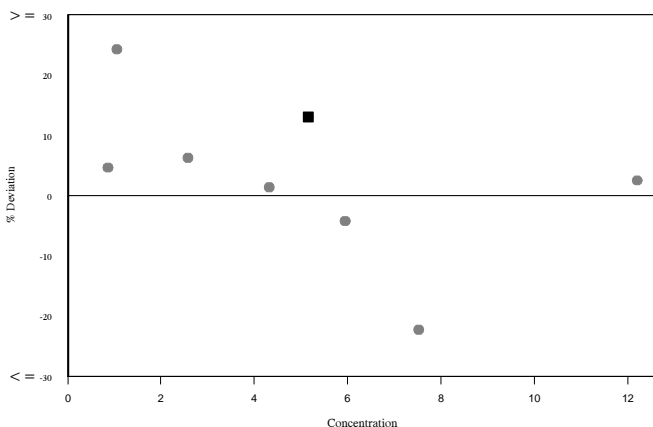
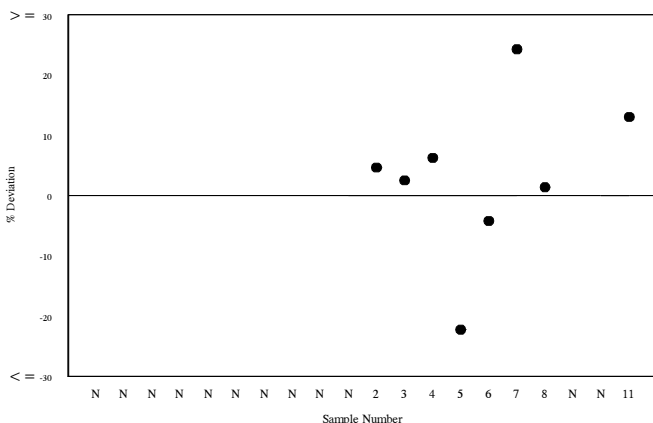
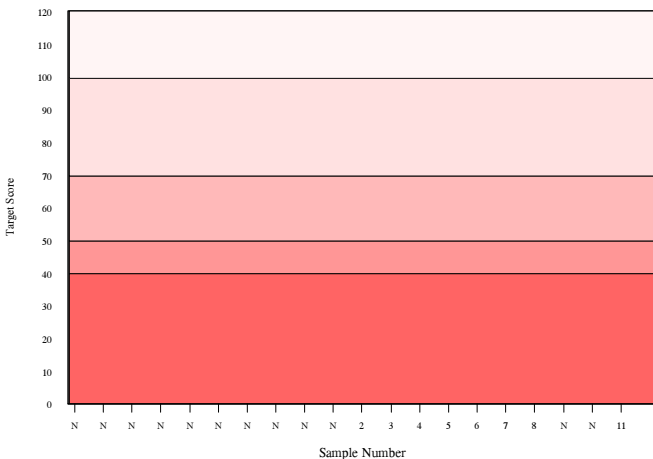
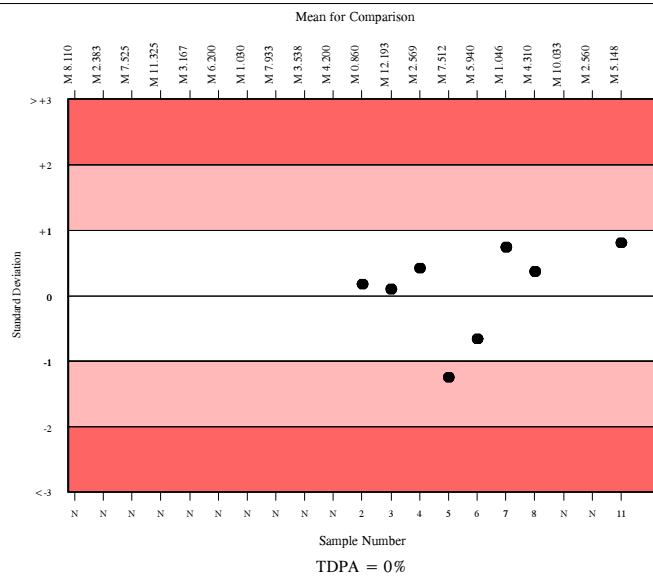
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	121	6.266	17.7	0.13	1.11	18
DiaMetra ELISA	5	5.148	14.2	0.41	0.84a	0

▲ Your Result	5.820	SDI	0.80
		RMSDI	Too Few
■ Mean for Comparison	5.148	TS	N/A
		RMTS	Too Few
		%DEV	13.1
		RM%DEV	Too Few

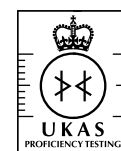
Acceptable limits derived from Biological Variation	29.7%
Acceptable limits of performance for RIQAS	N/A



Method	N	Mean	CV%	U <sub>m</sub>
DRG ELISA	27	6.571	11.0	0.17
ELISA	13	6.332	13.0	0.28
SNIBE Maglumi analysers	11	5.559	3.7	0.08
DIASource ELISA	11	6.635	20.4	0.51
DIASource RIA	10	7.174	8.4	0.24
IBL ELISA	9	7.029	15.8	0.46
Immunotech RIA	11	5.269	8.7	0.17
Novatec ELISA	6	6.817	20.2	0.70
DiaMetra ELISA	5	5.148	14.2	0.41
Monobind Inc. ELISA / CLIA	3	5.590	21.8	0.88
MP Biomedicals RIA	3	4.273	21.9	0.68
CIS, RIA Coated Tube	2	3.880	27.0	0.92
Labor Diagnostike Nord ELISA	2	6.305	2.1	0.12



**RIQAS**



0010

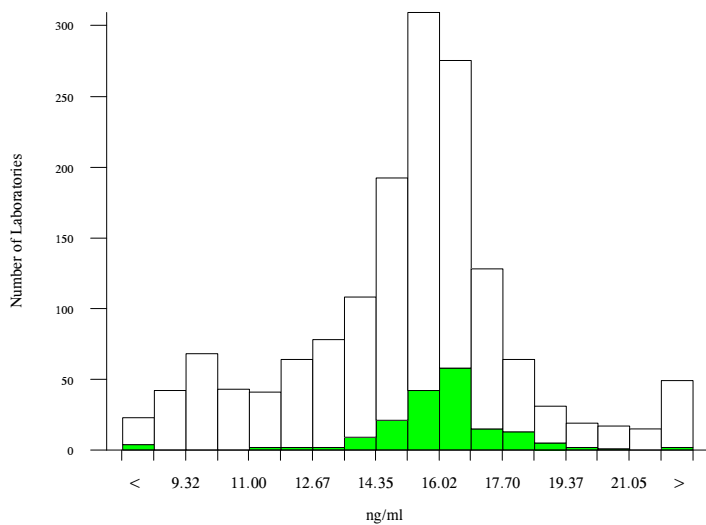


# Progesterone, ng/ml

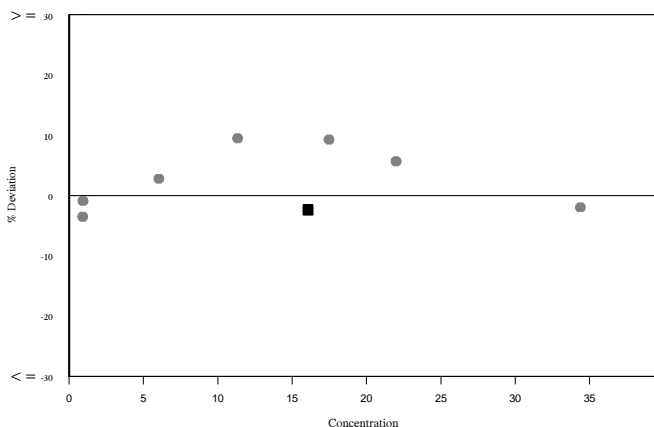
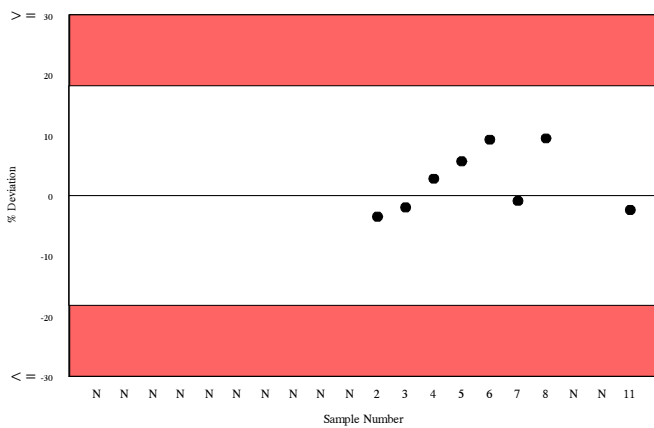
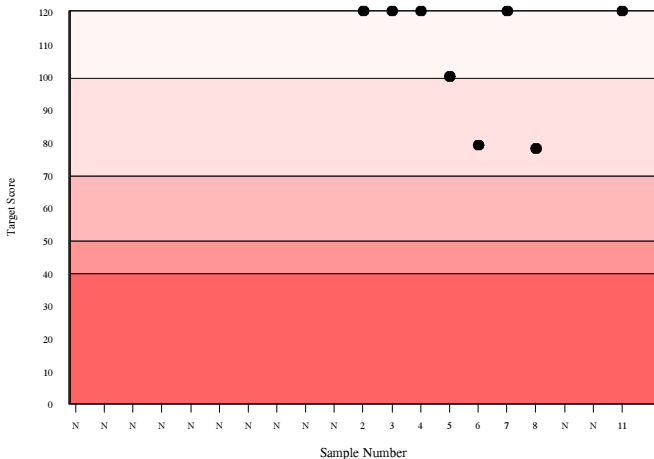
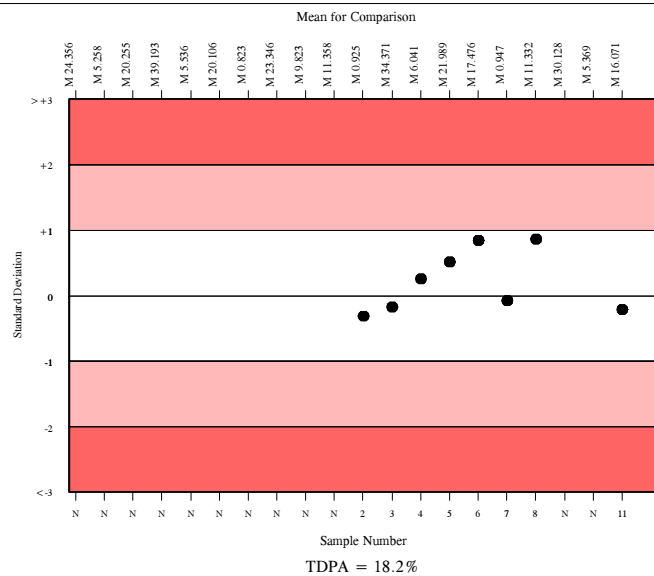
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	1424	15.189	14.7	0.07	1.68	142
Roche Cobas 4000/e411 (Prog. II)	158	16.071	6.4	0.10	1.78	20

▲ Your Result	15.690	SDI	-0.21
		RMSDI	Too Few
■ Mean for Comparison	16.071	TS	120
		RMTS	Too Few
		%DEV	-2.4
		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	250	14.498	7.6	0.09
Roche Cobas 6000/8000 (Prog. II)	186	16.206	4.3	0.06
Roche Cobas 4000/e411 (Prog. II)	158	16.071	6.4	0.10
Siemens Centaur XP/XPT/Classic	140	9.672	7.1	0.07
Roche Cobas 6000/8000 (Prog. III)	137	15.984	4.8	0.08
Beckman DXI Prog. Cal 33555	98	15.881	7.8	0.16
bioMerieux, VIDAS	83	21.303	8.1	0.24
Roche Cobas 4000/e411 (Prog. III)	67	15.968	3.5	0.08
Siemens/DPC Immulite 2000/2500	60	12.102	6.7	0.13
Beckman Access Prog. Cal 33555	45	15.415	8.8	0.25
Siemens/DPC Immulite 1000	34	13.962	10.5	0.31
Roche Elecsys (Prog. II)	32	16.077	6.4	0.23
Tosoh	25	18.082	7.1	0.32
Ortho Vitros 3600/5600/ECi	21	16.261	5.6	0.25
Beckman DXI Prog.DE Cal. A80773	21	13.950	11.6	0.44
SNIBE Maglumi analysers	18	18.037	3.8	0.20
Siemens Centaur CP	14	9.955	10.5	0.35
Diasorin Liaison	11	12.068	5.9	0.27
Roche Modular E170 (Prog. III)	12	15.667	5.4	0.31
Roche Modular E170 (Prog. II)	6	16.470	2.5	0.21
Beckman Access Prog.DE Cal. A80773	4	12.153	4.6	0.35

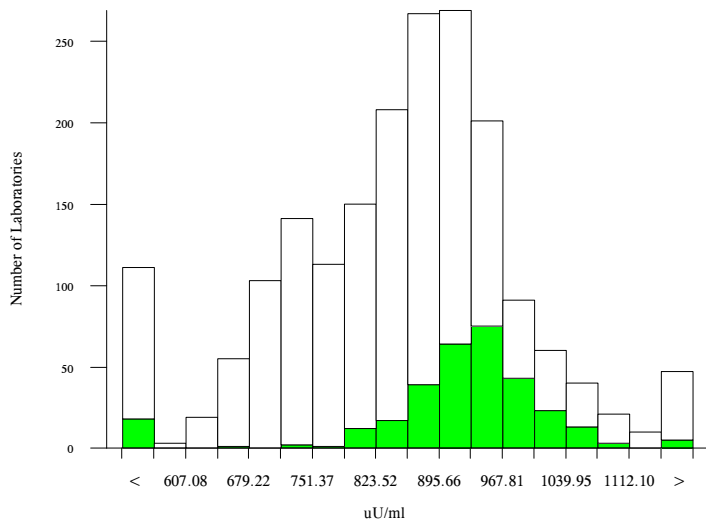


# Prolactin, uU/ml

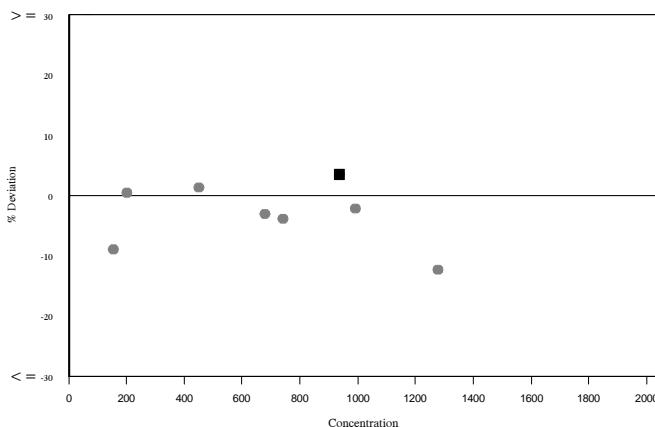
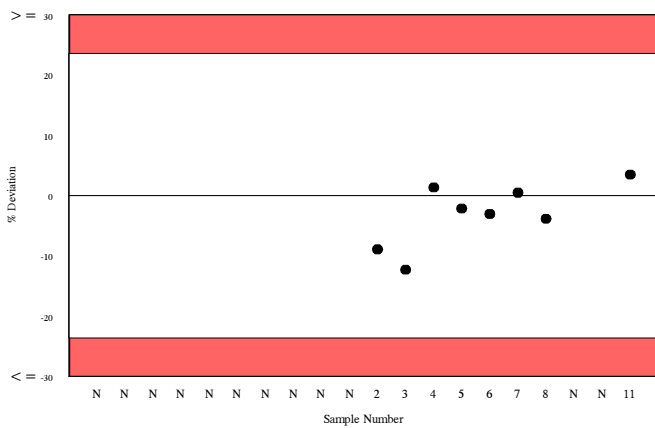
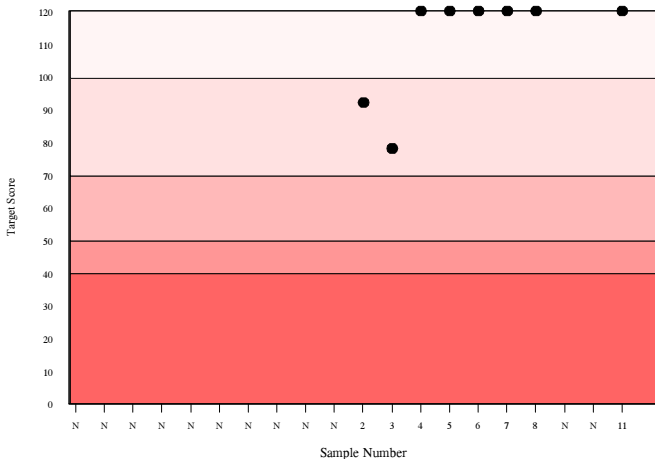
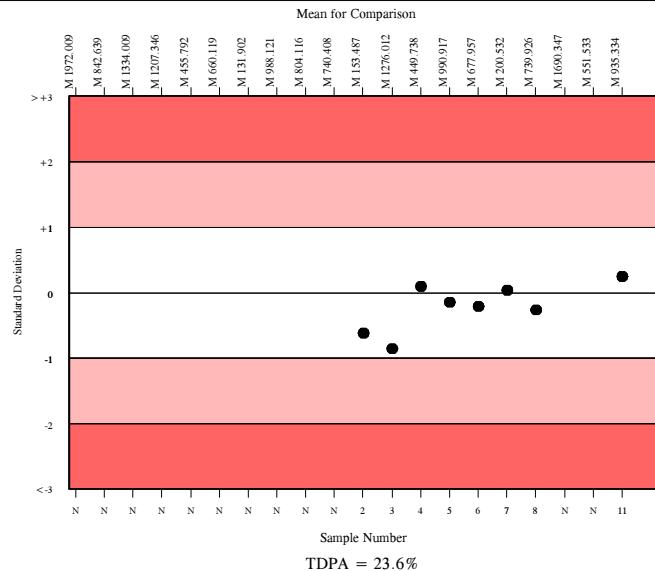
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	1704	859.593	11.2	2.91	123.33	205
Roche Cobas 4000/e411	278	935.334	5.8	4.08	134.20	38

▲ Your Result	968.000	SDI	0.24
		RMSDI	Too Few
■ Mean for Comparison	935.334	TS	120
		RMTS	Too Few
		%DEV	3.5
		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	324	902.938	4.0	2.54
Roche Cobas 4000/e411	278	935.334	5.8	4.08
Abbott Architect	251	853.453	5.5	3.69
Siemens Centaur XP/XPT/Classic	175	712.019	5.1	3.45
Beckman DxI 600 / 800	136	744.585	5.8	4.66
bioMerieux, VIDAS	73	1041.533	7.4	11.21
Siemens/DPC Immulite 2000/2500	51	833.084	7.2	10.50
Beckman Access/LXi725	43	760.295	5.9	8.57
Roche Elecsys/E170/Cobas 6000/8000 PRLII	42	900.281	3.8	6.63
Roche Elecsys	40	923.164	5.4	9.94
Abbott Architect (Re-standardised)	37	846.983	3.2	5.65
Ortho Vitros 3600/5600/ECi	39	745.002	4.3	6.37
Tosoh	30	892.457	13.4	27.23
Siemens/DPC Immulite 1000	30	870.535	7.1	14.09
SNIBE Maglumi analysers	18	903.241	6.3	16.81
Siemens Centaur CP	18	726.182	11.0	23.53
Diasorin Liaison	15	874.609	6.2	17.62
Roche Modular E170	10	906.612	3.5	12.72
Fujirebio Lumipulse G Series	8	965.606	9.3	39.60
Immunotech IRMA	9	898.194	5.3	19.71
DiaSorin Liaison XL	6	889.933	5.1	23.33

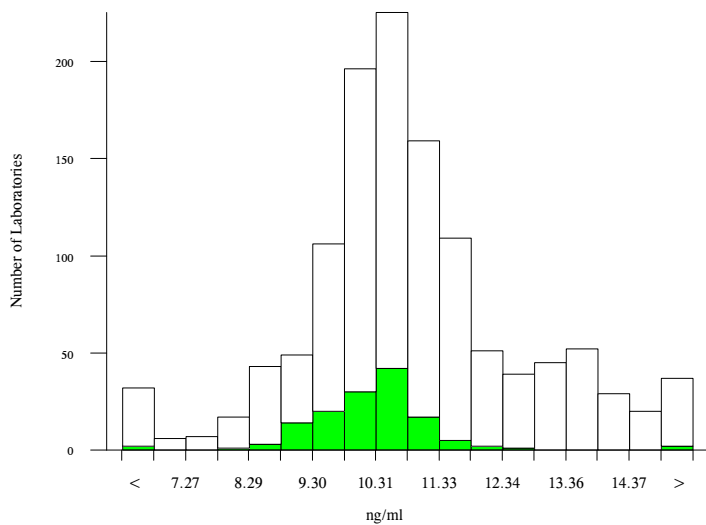


# PSA, Free, ng/ml

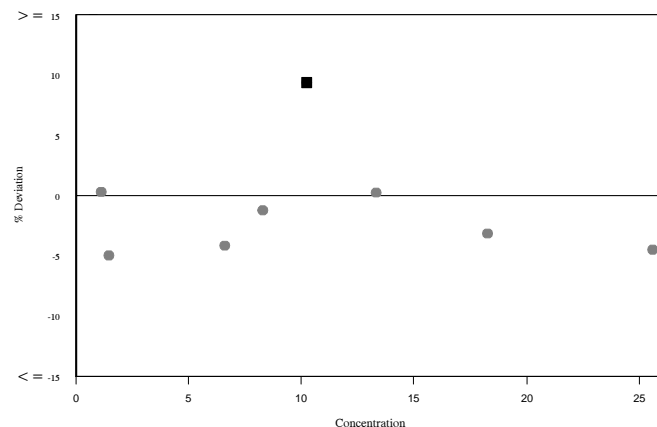
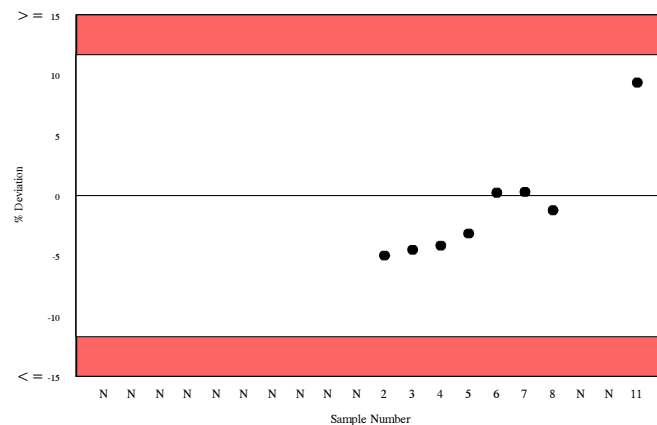
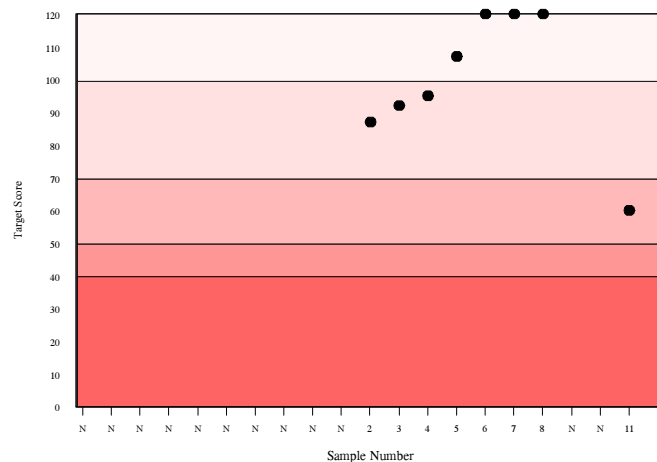
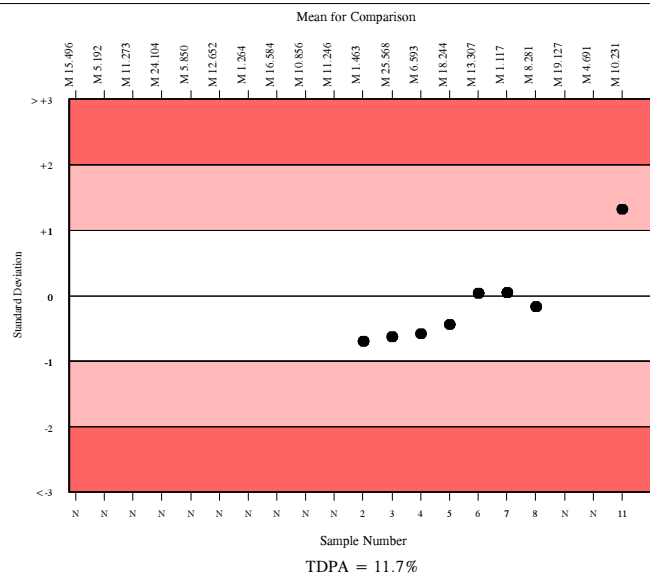
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	1122	10.827	12.5	0.05	0.77	110
Roche Cobas 4000/e411	127	10.231	6.2	0.07	0.73	12

▲ Your Result	11.190	SDI	1.32
		RMSDI	Too Few
■ Mean for Comparison	10.231	TS	60
		RMTS	Too Few
		%DEV	9.4
		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	260	10.110	3.7	0.03
Abbott Architect	245	11.300	5.9	0.05
Roche Cobas 4000/e411	127	10.231	6.2	0.07
Siemens Centaur XP/XPT/Classic	123	11.013	4.7	0.06
Beckman DXI standardised to Hybritech	110	13.678	6.2	0.10
Siemens/DPC Immulite 2000/2500	39	8.476	5.3	0.09
Beckman Access standardised to Hybritech	39	13.649	6.5	0.18
BioMerieux VIDAS	30	13.655	11.2	0.35
Roche Elecsys	24	10.361	5.7	0.15
TOSOH	17	9.348	5.5	0.16
Diasorin Liaison	15	4.003	6.3	0.08
SNIBE Maglumi analysers	18	11.162	5.7	0.19
Roche Modular E170	16	10.127	4.1	0.13
Siemens/DPC Immulite 1000	12	8.626	9.1	0.28
Fujirebio Lumipulse G Series	11	8.587	4.9	0.16
Ortho Vitros 3600/5600/ECi	8	9.075	4.1	0.16
DiaSorin Liaison XL	6	3.765	0.7	0.01
Ortho Vitros 3600/5600/ECi PSA II	7	9.215	4.0	0.17
Beckman DXI standard to WHO IRP96/670	5	10.482	6.5	0.38
CIS, RIA coated tube	5	7.408	10.1	0.42
Siemens Dimension	4	10.368	10.1	0.65



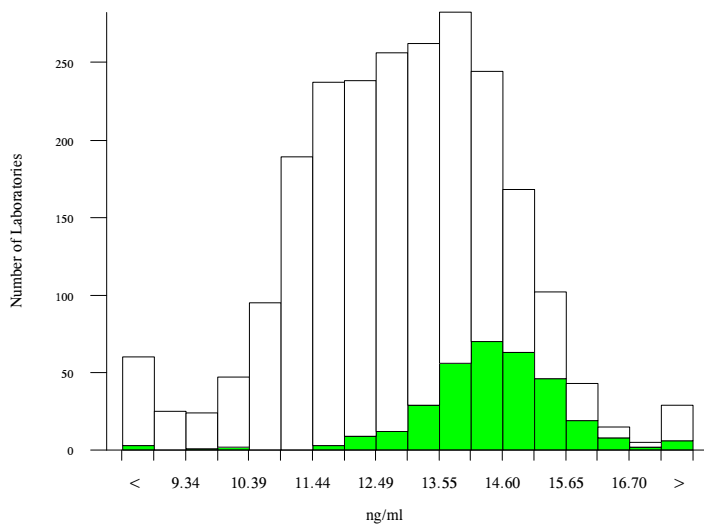
**RIQAS**

# PSA, Total, ng/ml

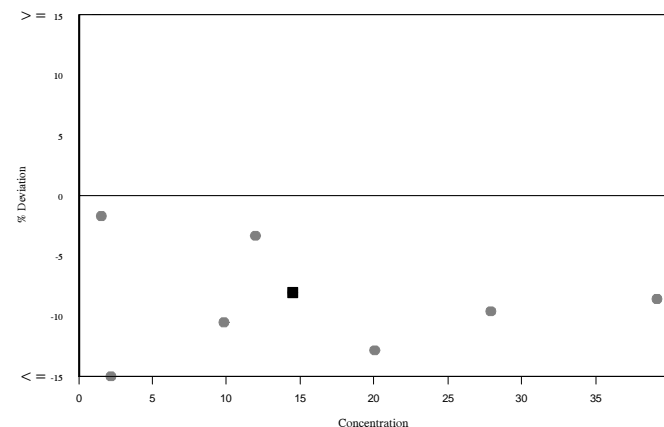
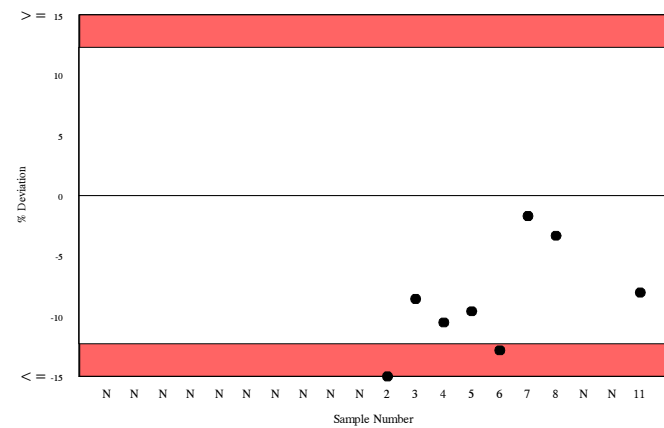
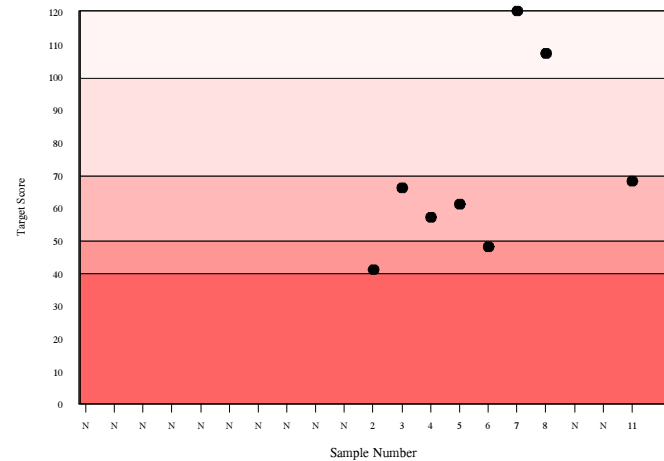
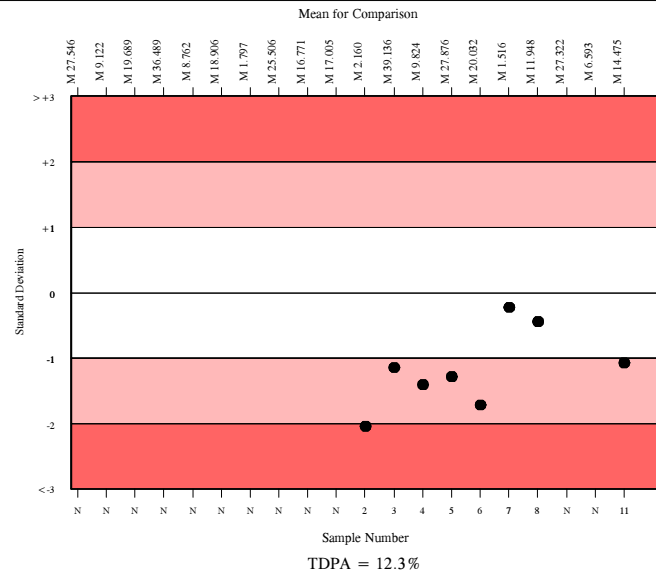
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	2163	13.025	10.8	0.04	0.97	158
Roche Cobas 4000/e411	301	14.475	5.8	0.06	1.08	28

▲ Your Result	13.310	SDI	-1.08
		RMSDI	Too Few
■ Mean for Comparison	14.475	TS	68
		RMTS	Too Few
		%DEV	-8.0
		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	475	14.045	5.0	0.04
Abbott Architect	415	12.045	5.7	0.04
Roche Cobas 4000/e411	301	14.475	5.8	0.06
Siemens Centaur XP/XPT/Classic	229	11.344	5.0	0.05
Beckman DXI standardised to Hybritech	157	12.623	5.4	0.07
Beckman Access standardised to Hybritech	80	12.972	5.2	0.09
Roche Elecsys	55	14.299	8.7	0.21
bioMerieux, Vidas TPSA	50	13.769	7.5	0.18
Siemens Immulite 2000/2500, Total PSA	45	12.818	6.7	0.16
Tosoh	39	9.298	8.2	0.15
Ortho Vitros 3600/5600/ECi PSA II	35	13.594	3.4	0.10
Siemens Centaur CP	28	11.024	6.0	0.15
Siemens Immulite 1000, Total PSA	27	10.983	4.4	0.12
SNIBE Maglumi analysers	28	14.539	10.1	0.35
Diasorin Liaison	24	4.388	9.6	0.11
Ortho Vitros 3600/5600/ECi	20	13.220	6.2	0.23
Roche Modular E170	18	13.869	3.5	0.14
Beckman Access standard to WHO IRP96/670	14	12.764	5.8	0.25
bioMerieux, Vidas	16	13.806	7.5	0.32
Beckman DXI standard to WHO IRP96/670	16	9.915	7.6	0.24
CIS, RIA coated tube	12	11.811	4.4	0.19



**RIQAS**



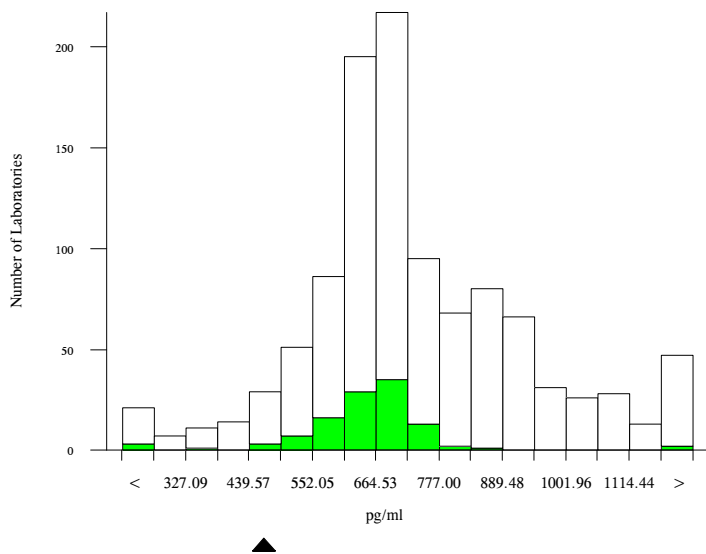
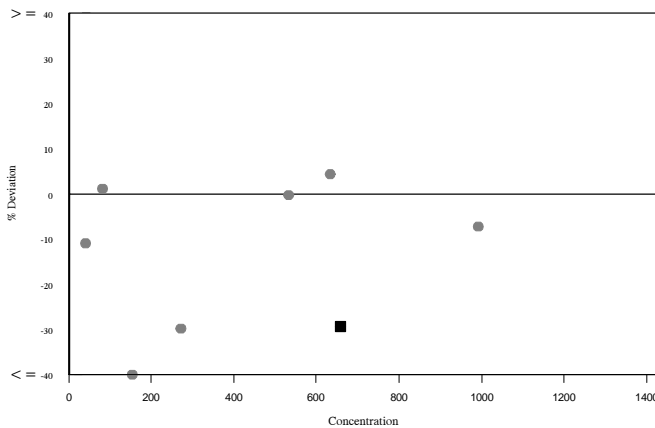
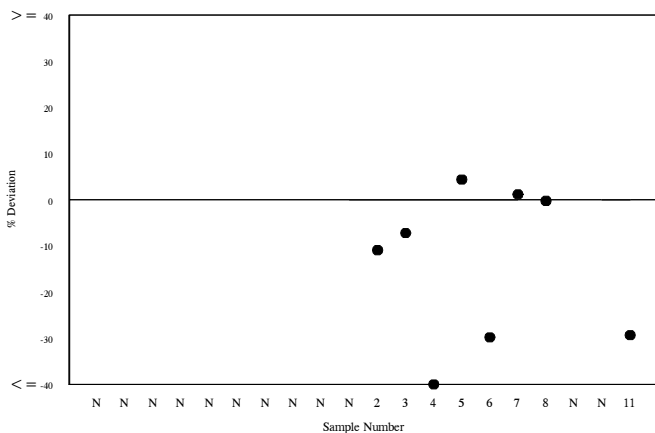
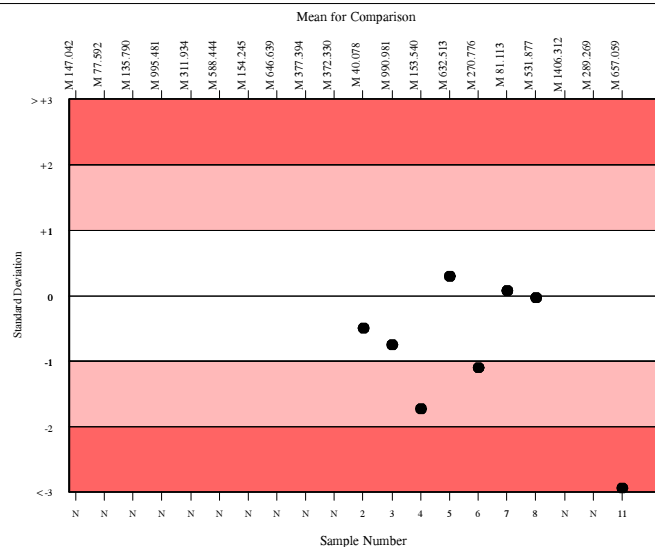
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# Parathyroid hormone, pg/ml

	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	994	720.770	20.8	5.95	149.97	91
Roche Cobas 4000/e411 PTH/PTH STAT	101	657.059	10.0	8.16	65.57	11

▲ Your Result	464.300	SDI RMSDI	-2.94 Too Few
■ Mean for Comparison	657.059	TS RMTS	N/A N/A
		%DEV RM%DEV	-29.3 Too Few

Acceptable limits derived from Biological Variation	30.2%
Acceptable limits of performance for RIQAS	N/A
SDI in bottom 5% of peer group	



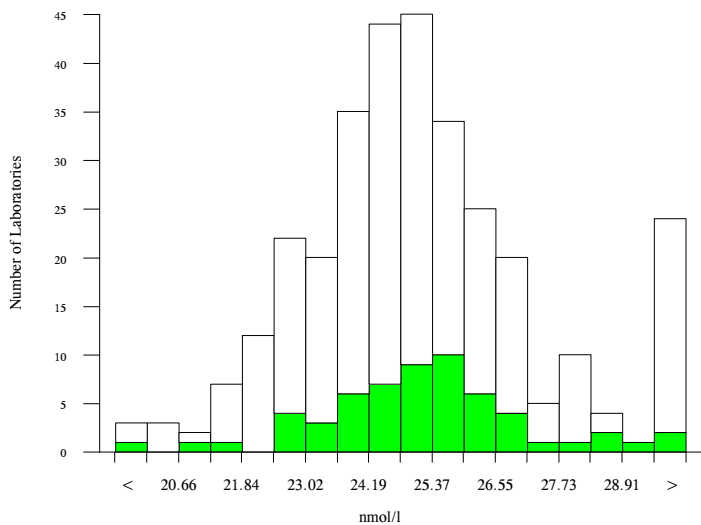
Method	N	Mean	CV%	U <sub>m</sub>
Roche Cobas 6000/8000 PTH/PTH STAT	178	646.849	7.3	4.40
Abbott Architect	138	866.610	9.2	8.53
Beckman Dxi 600 / 800	110	697.311	8.0	6.63
Roche Cobas 4000/e411 PTH/PTH STAT	101	657.059	10.0	8.16
Siemens Centaur XP/XPT/Classic	98	908.951	14.8	16.98
Roche Cobas 6000/8000 PTH (1-84)	72	620.582	12.8	11.74
Roche Cobas 4000/e411 PTH (1-84)	57	651.626	12.2	13.15
Siemens/DPC Immulite 2000	44	1164.546	13.8	30.24
Roche Elecsys PTH/PTH STAT	28	651.140	10.4	15.94
Beckman Access/LXi725	21	665.499	11.6	21.11
Tosoh	18	756.656	12.5	27.76
SNIBE Maglumi analysers	14	950.229	6.4	20.31
Ortho Vitros 3600/5600/ECi	14	912.748	3.9	11.85
DiaSorin, Liaison 1-84 PTH	14	447.236	16.8	25.11
Roche Modular E170 PTH/PTH STAT	11	643.182	9.3	22.60
Siemens/DPC Immulite 1000	9	1104.293	12.4	56.84
CIS IRMA	9	564.988	15.1	35.59
Roche Elecsys PTH (1-84)	7	591.926	18.8	52.45
Siemens Centaur CP	6	845.800	10.0	42.96
DiaSorin Liaison XL 1-84 PTH	7	545.666	11.1	28.59
DiaSorin Liaison XL N-TACT PTH II	6	1293.115	9.8	64.66

# Sex Hormone Binding Globulin, nmol/l

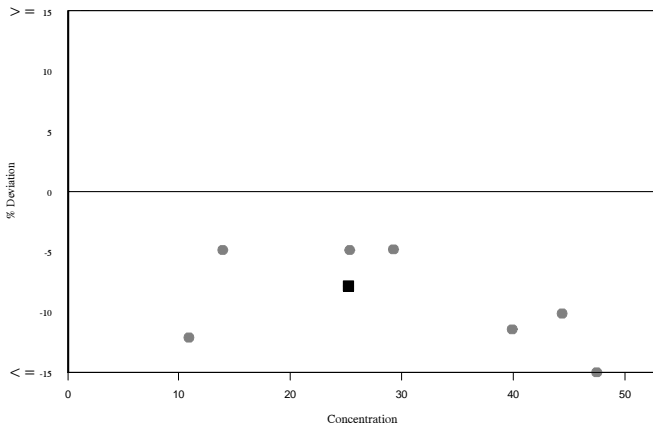
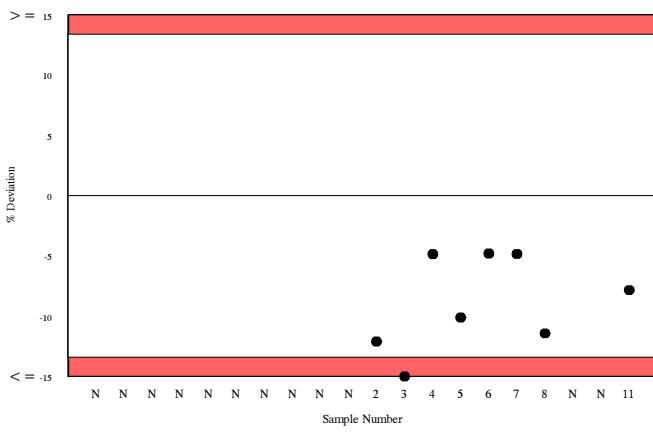
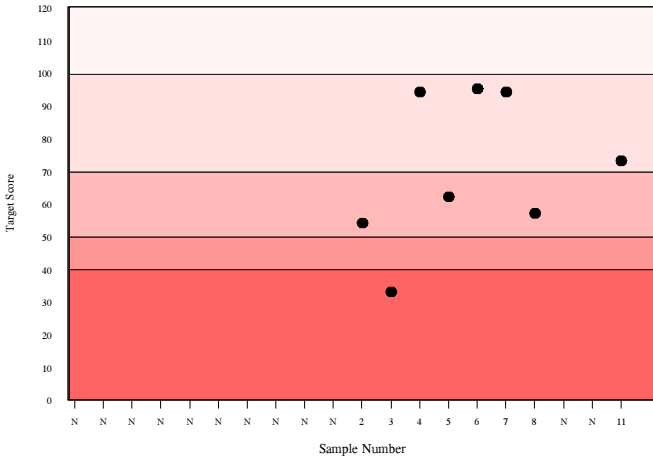
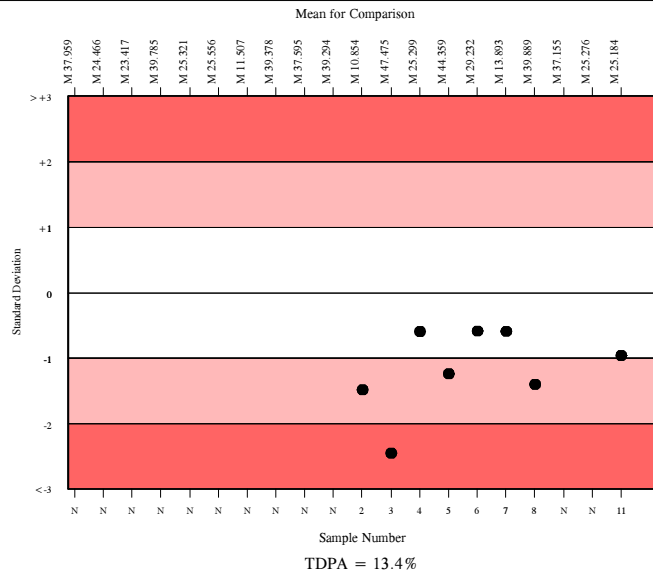
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	284	24.789	6.3	0.12	2.02	32
Roche Cobas 4000/e411	53	25.184	5.5	0.24	2.05	6

▲ Your Result	23.210	SDI RMSDI	-0.96 Too Few
■ Mean for Comparison	25.184	TS RMTS	73 Too Few
		%DEV RM%DEV	-7.8 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	72	25.175	4.4	0.16
Roche Cobas 4000/e411	53	25.184	5.5	0.24
Abbott Architect	42	24.500	5.4	0.25
Siemens/DPC Immulite 2000/2500	40	24.668	6.0	0.29
Beckman DXI 600 / 800	24	24.153	6.9	0.42
Roche Modular E170	11	24.883	3.6	0.33
Siemens Centaur (Ref 06520781)	12	30.927	16.9	1.88
Siemens Centaur (Ref 10997191)	10	23.342	4.2	0.39
Roche Elecsys	8	26.410	7.9	0.93
Siemens/DPC Immulite 1000	5	23.940	10.4	1.39
ELISA	3	31.867	32.3	7.43
Beckman Access	2	25.350	6.4	1.44



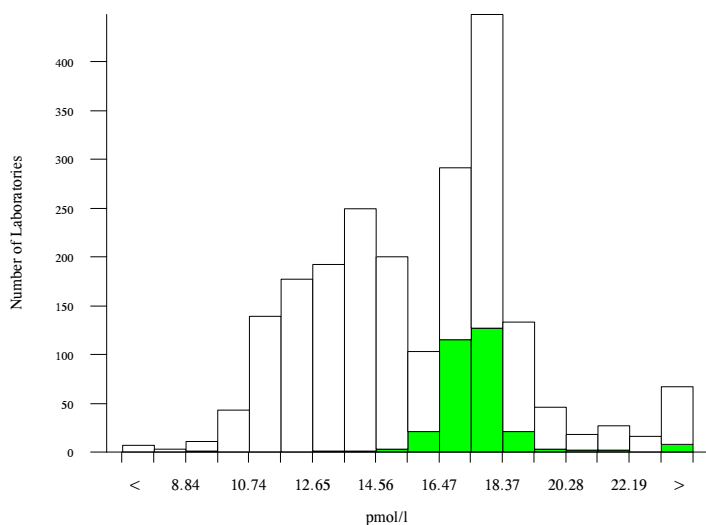
**RIQAS**

# Free T3, pmol/l

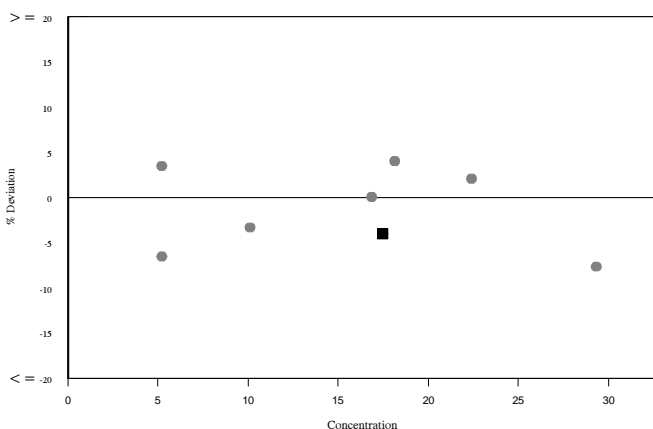
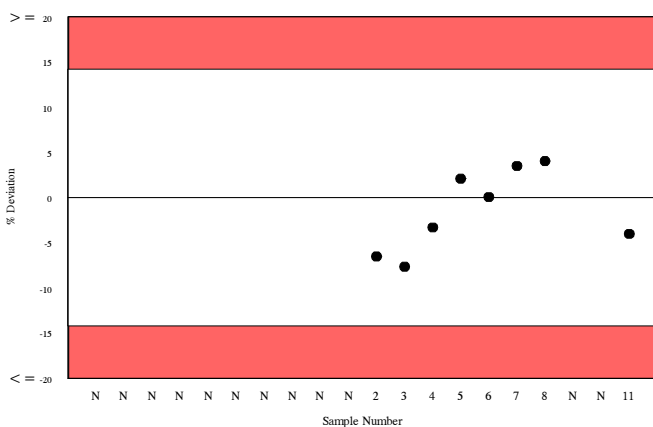
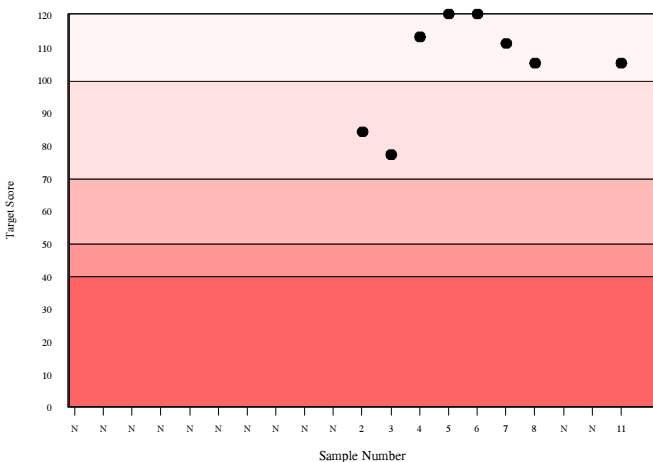
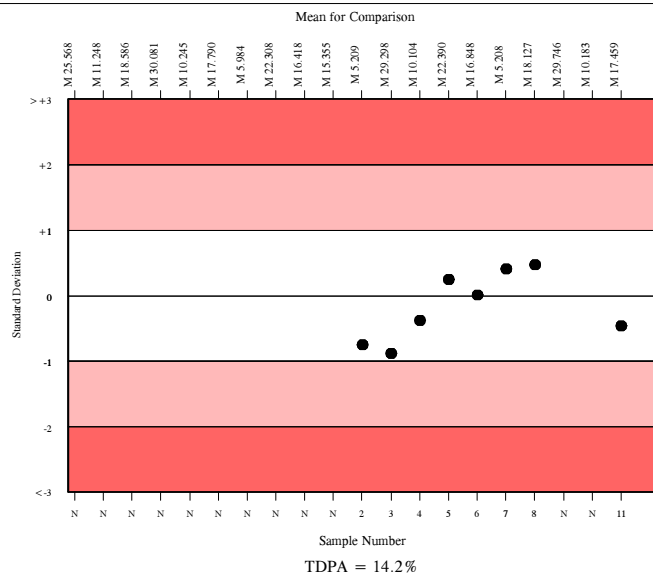
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	2035	15.517	16.4	0.07	1.34	147
Roche Cobas 4000/e411	274	17.459	3.5	0.05	1.51	31

▲ Your Result	16.760	SDI	-0.46
		RMSDI	Too Few
■ Mean for Comparison	17.459	TS	105
		RMTS	Too Few
		%DEV	-4.0
		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	465	17.792	3.3	0.03
Abbott Architect	375	13.401	8.9	0.08
Roche Cobas 4000/e411	274	17.459	3.5	0.05
Siemens Centaur XP/XPT/Classic	232	14.757	3.9	0.05
Beckman DxI 600 / 800	169	11.787	7.4	0.08
Roche Elecsys	72	17.596	4.0	0.10
Beckman Access/LXi725	69	13.043	5.9	0.12
BioMerieux VIDAS	60	15.836	7.9	0.20
Siemens/DPC Immulite 2000/2500	40	11.425	6.2	0.14
Diasorin Liaison	40	21.269	8.0	0.34
Tosoh	36	20.260	5.5	0.23
Ortho Vitros 3600/5600/ECi	32	34.907	0.8	0.07
Siemens Centaur CP	32	14.252	2.8	0.09
SNIBE Maglumi analysers	25	11.204	5.4	0.15
Roche Modular E170	18	17.703	3.5	0.18
Siemens/DPC Immulite 1000	17	10.696	8.8	0.29
DiaSorin Liaison XL	10	22.313	3.4	0.30
Fujirebio Lumipulse G Series	9	18.239	4.1	0.31
Siemens Dimension Vista LOCI	4	19.587	1.1	0.13
Brahms, RIA	2	26.452	54.8	12.81
Siemens Dimension Exl LOCI	2	19.837	1.0	0.18



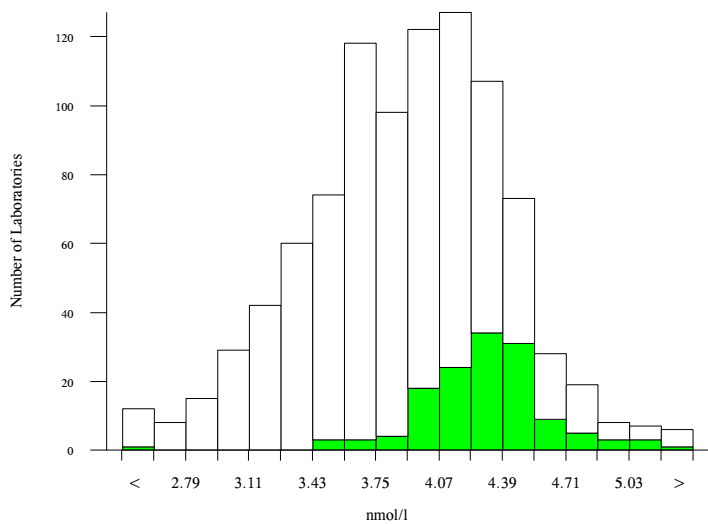
**RIQAS**

# Total T3, nmol/l

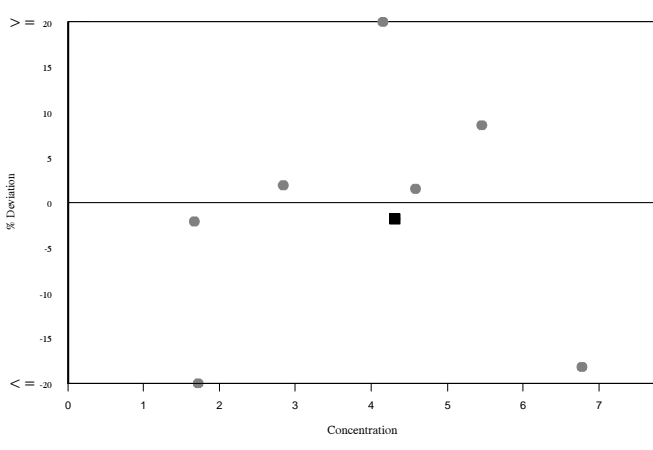
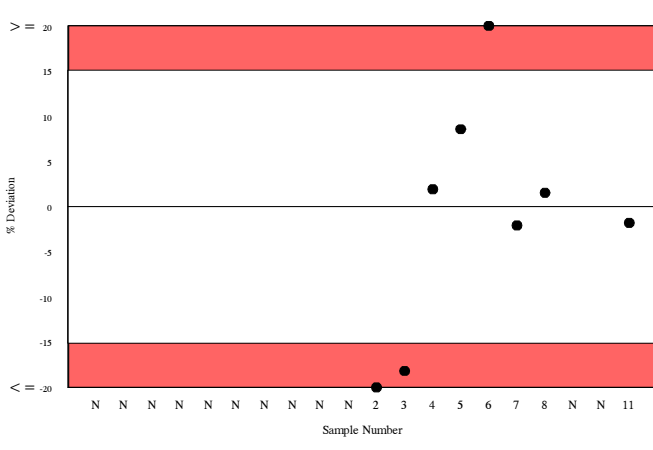
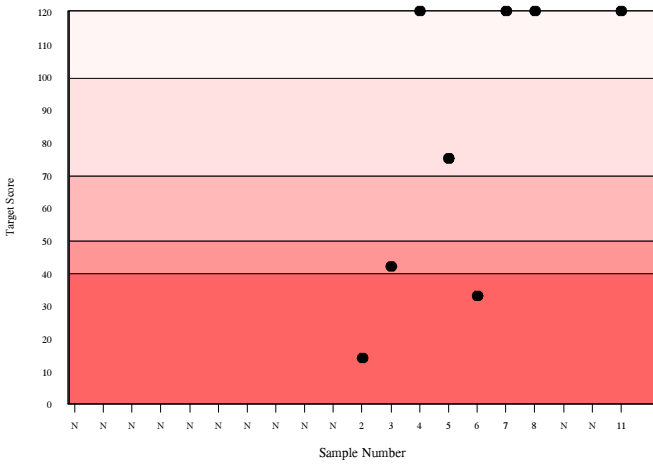
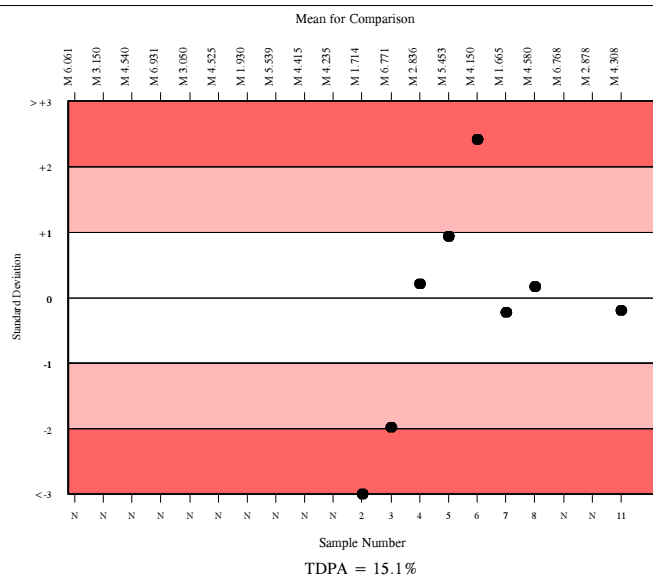
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	901	3.914	10.9	0.02	0.36	52
Roche Cobas 4000/e411	125	4.308	5.3	0.03	0.40	14

▲ Your Result	4.230	SDI	-0.20
		RMSDI	Too Few
■ Mean for Comparison	4.308	TS	120
		RMTS	Too Few
		%DEV	-1.8
		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	194	3.574	6.8	0.02
Roche Cobas 6000/8000	178	4.174	4.1	0.02
Roche Cobas 4000/e411	125	4.308	5.3	0.03
Siemens Centaur XP/XPT/Classic	83	3.920	6.2	0.03
Siemens/DPC Immulite 2000/2500	38	3.127	6.1	0.04
Ortho Vitros 3600/5600/ECi	36	4.479	3.5	0.03
Beckman Dxi600 / 800	34	3.578	5.1	0.04
Beckman Access/LXi725	31	3.633	6.0	0.05
bioMerieux, VIDAS	32	3.819	3.8	0.03
SNIBE Maglumi analysers	21	4.108	6.3	0.07
Siemens Centaur CP	19	4.159	8.5	0.10
Roche Elecsys	14	4.381	6.3	0.09
Siemens/DPC Immulite 1000	16	3.467	13.4	0.15
CIS, RIA coated tube	10	2.873	6.5	0.07
Tosoh	10	3.547	3.6	0.05
Roche Modular E170	9	4.075	5.2	0.09
Immunotech RIA	7	2.973	4.3	0.06
Diasorin Liaison	6	3.413	7.9	0.14
ELISA	4	3.427	21.6	0.46
DiaSorin Liaison XL	3	2.551	2.5	0.05
Monobind Inc. ELISA	2	3.922	8.1	0.28



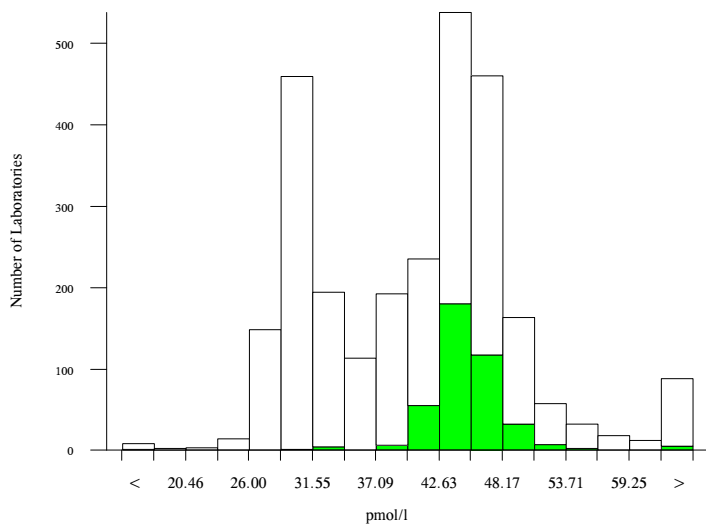


# Free T4, pmol/l

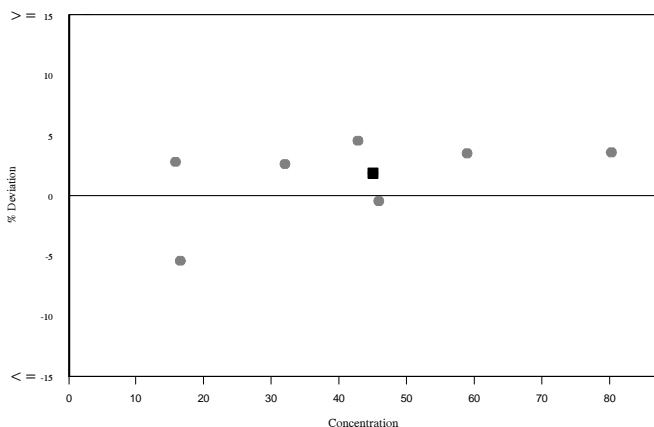
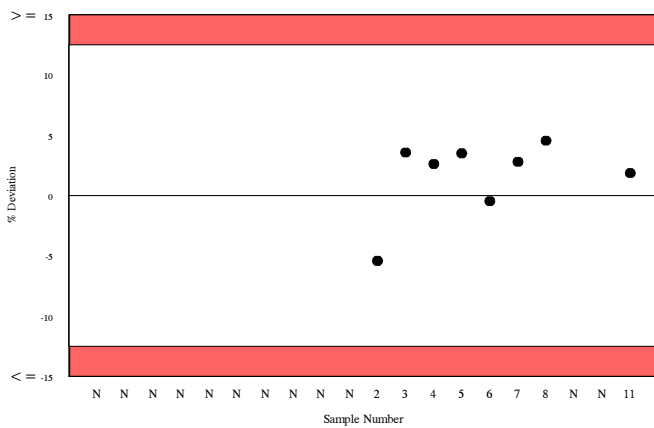
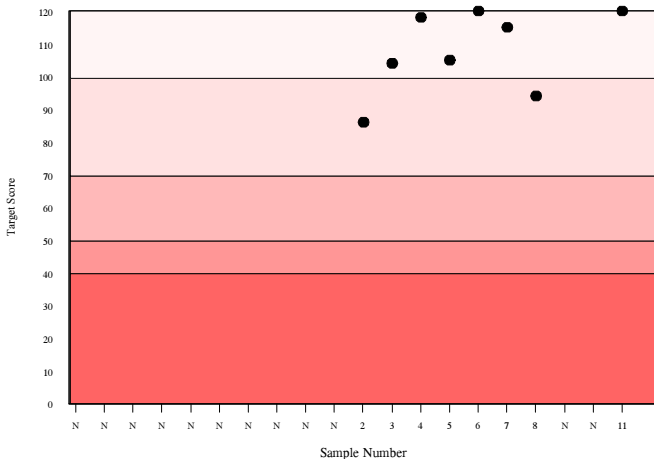
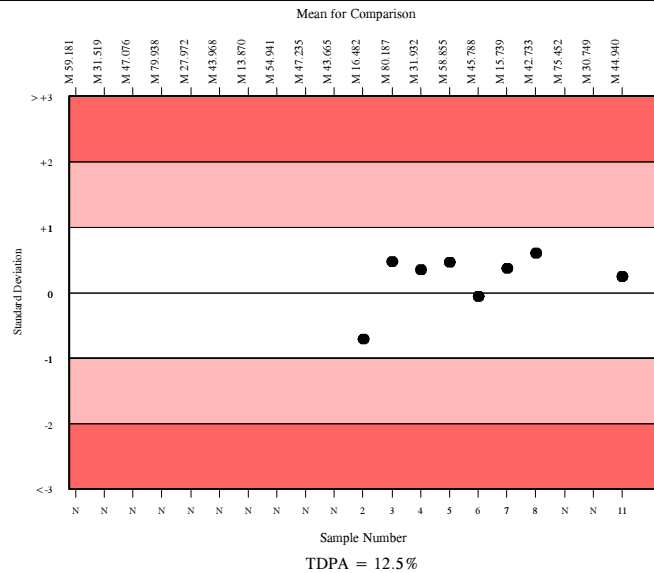
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	2599	39.861	18.5	0.18	3.03	152
Roche Cobas 4000/e411	376	44.940	4.5	0.13	3.42	34

▲ Your Result	45.780	SDI	0.25
		RMSDI	Too Few
■ Mean for Comparison	44.940	TS	120
		RMTS	Too Few
		%DEV	1.9
		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	568	45.260	3.8	0.09
Abbott Architect	455	30.265	4.9	0.09
Roche Cobas 4000/e411	376	44.940	4.5	0.13
Siemens Centaur XP/XPT/Classic	270	29.965	5.9	0.14
Beckman DxI 600 / 800	208	38.976	4.7	0.16
Beckman Access/LXi725	98	37.762	3.9	0.18
Roche Elecsys	79	45.164	4.9	0.31
bioMerieux, VIDAS-FT4N Kit	64	49.526	6.0	0.46
Ortho Vitros 3600/5600/ECi	46	89.488	0.8	0.13
Siemens/DPC Immulite 2000/2500	59	47.589	4.2	0.32
Tosoh	45	47.157	7.9	0.69
Siemens Centaur CP	43	33.266	4.6	0.29
Siemens/DPC Immulite 1000	39	49.045	5.7	0.56
Diasorin Liaison	38	57.224	6.0	0.69
SNIBE Maglumi analysers	24	39.887	5.2	0.53
Roche Modular E170	19	45.726	4.7	0.62
DiaSorin Liaison XL	12	63.016	5.8	1.33
Fujirebio Lumipulse G Series	10	34.757	8.3	1.13
CIS, RIA coated tube	10	43.018	6.8	1.16
Immunotech IRMA	6	39.496	1.5	0.29
ELISA	5	36.876	8.7	1.80

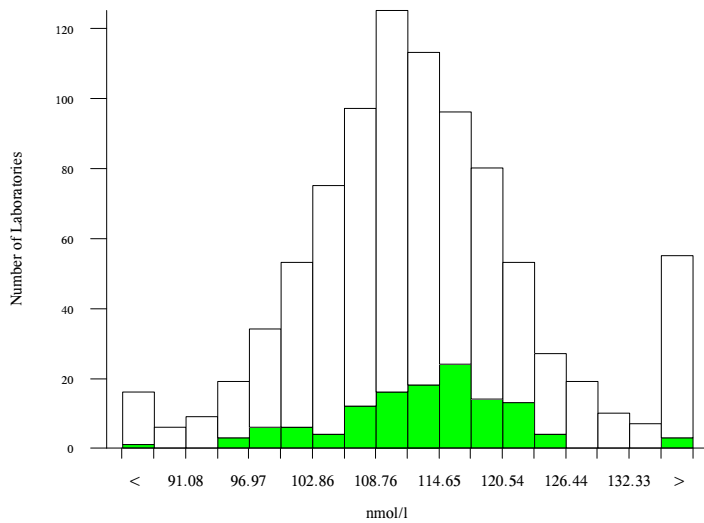


# Total T4, nmol/l

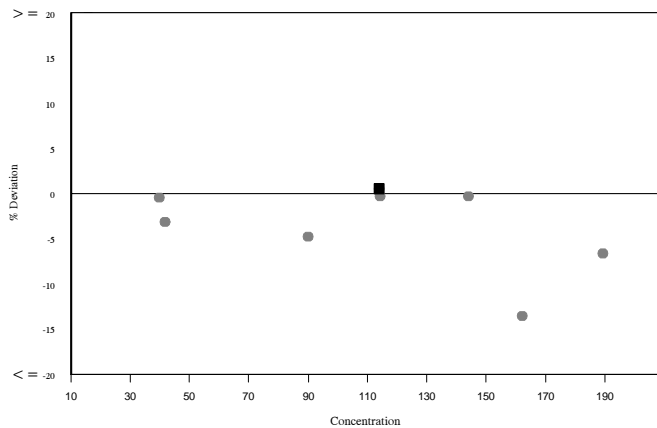
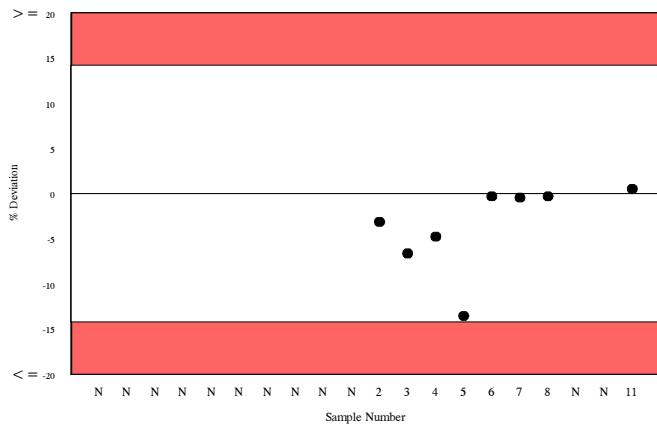
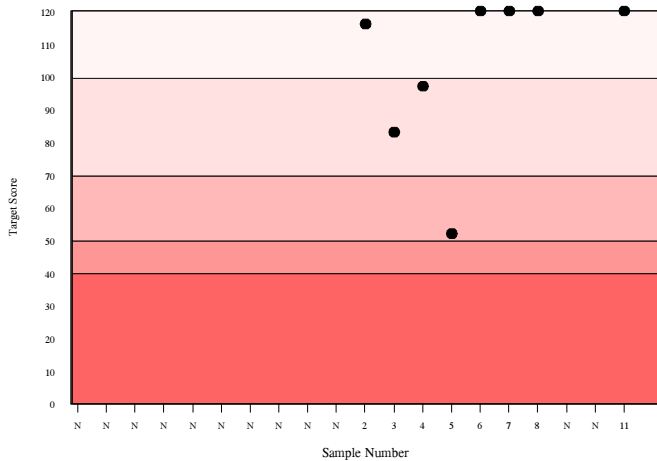
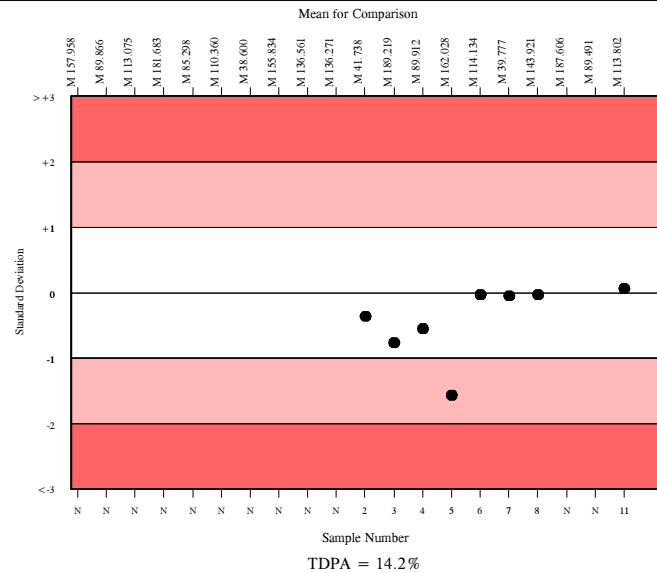
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	807	111.709	7.0	0.35	9.64	87
Roche Cobas 4000/e411	113	113.802	5.3	0.71	9.82	11

▲ Your Result	114.400	SDI	0.06
		RMSDI	Too Few
■ Mean for Comparison	113.802	TS	120
		RMTS	Too Few
		%DEV	0.5
		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	113.530	4.1	0.44
Roche Cobas 6000/8000	168	107.673	4.4	0.46
Roche Cobas 4000/e411	113	113.802	5.3	0.71
Siemens Centaur XP/XPT/Classic	75	116.301	6.8	1.14
Siemens/DPC Immulite 2000/2500	49	111.056	9.3	1.84
bioMerieux, VIDAS	35	121.662	4.6	1.17
Ortho Vitros 3600/5600/ECi	33	105.251	5.6	1.27
Beckman DxI 600 / 800	28	107.864	6.6	1.67
SNIBE Maglumi analysers	19	164.602	4.6	2.18
Beckman Access/LXi725	18	106.872	7.5	2.36
Siemens Centaur CP	17	120.452	5.9	2.15
Siemens/DPC Immulite 1000	16	106.590	17.8	5.94
Roche Elecsys	11	115.741	5.8	2.53
Tosoh	9	100.281	5.0	2.10
CIS, RIA coated tube	6	107.547	5.3	2.90
Immunotech RIA	7	91.366	5.2	2.24
Diasorin Liaison	5	109.021	6.2	3.76
ELISA	6	111.099	10.3	5.85
Roche Modular E170	6	105.638	7.6	4.10
Monobind Inc. ELISA / CLIA	2	117.944	6.1	6.41
MP Biomedicals RIA	2	111.662	3.1	3.04

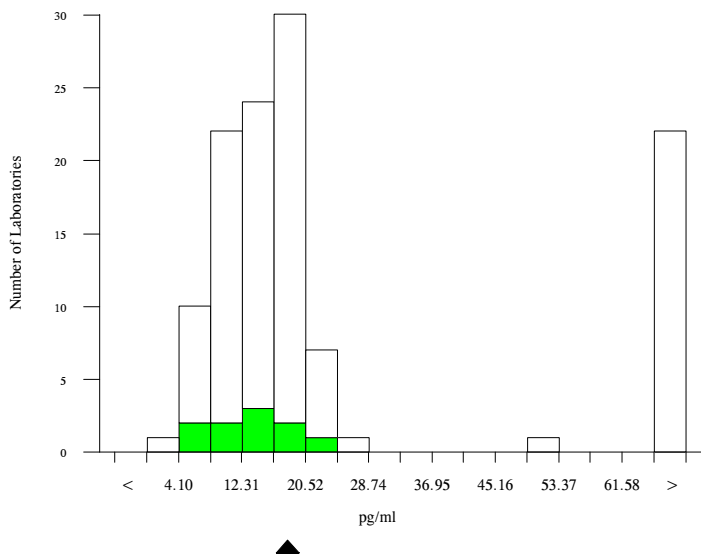


# Free Testosterone (Pilot), pg/ml

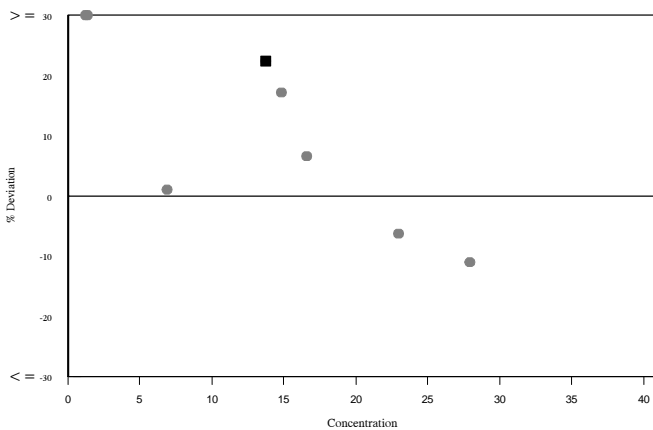
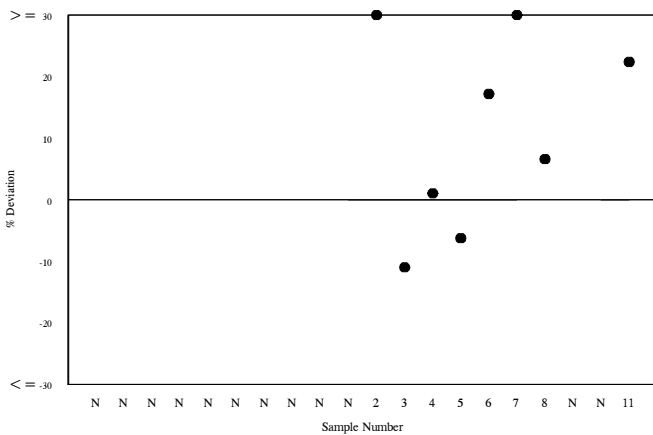
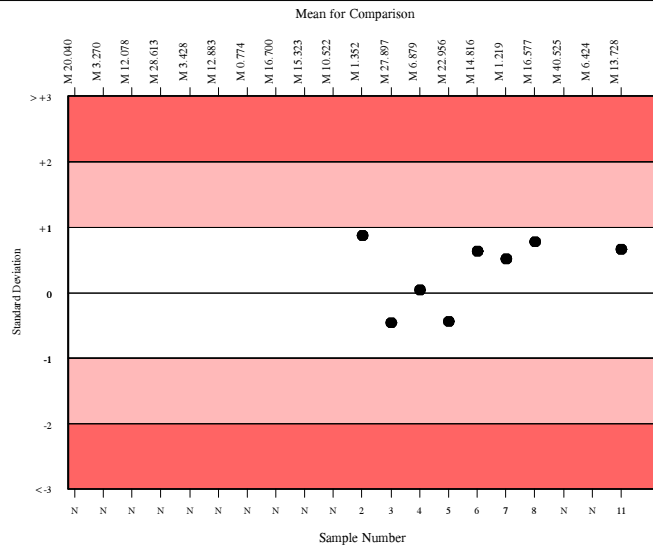
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	97	18.539	84.8	1.99	15.72	21
IBL ELISA	9	13.728	31.3	1.79	4.65a	1

▲ Your Result	16.800	SDI	0.66
		RMSDI	Too Few
■ Mean for Comparison	13.728	TS	N/A
		RMTS	N/A
		%DEV	22.4
		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	16	19.158	4.9	0.29
DRG, ELISA	17	13.862	34.1	1.43
Monobind Inc. ELISA / CLIA	12	11.657	20.4	0.86
Calculated	14	99.151	15.0	4.97
IBL ELISA	9	13.728	31.3	1.79
ELISA	5	16.270	34.1	3.10
DIAsource, RIA	5	8.121	16.6	0.75
Novatec ELISA	5	13.464	13.2	1.00
DSL/Beckman Coulter, RIA	4	13.728	40.1	3.44
Roche Cobas 4000/e411	4	101.900	10.0	6.40
DBC, ELISA	2	14.330	27.3	3.46
Diametra ELISA	2	12.050	11.1	1.19
Diasorin RIA	2	13.800	43.0	5.25
Roche Cobas 6000/8000	2	107.493	0.4	0.36
DIAsource ELISA	2	30.530	88.8	23.96
Immunotech RIA	2	13.060	51.3	5.92

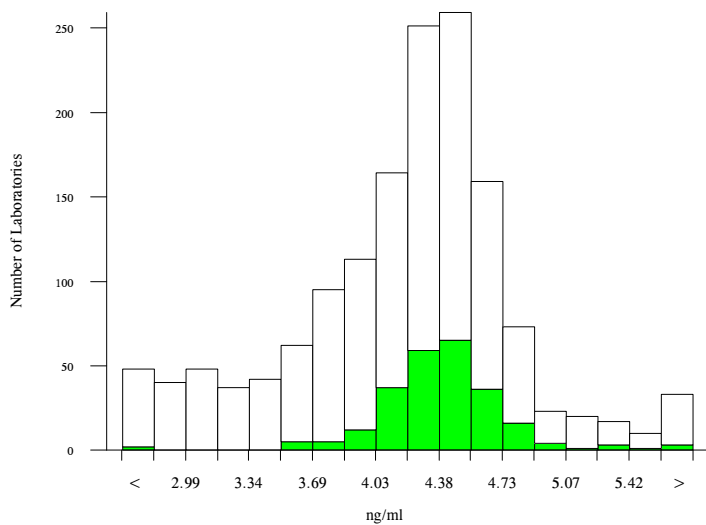


# Testosterone, ng/ml

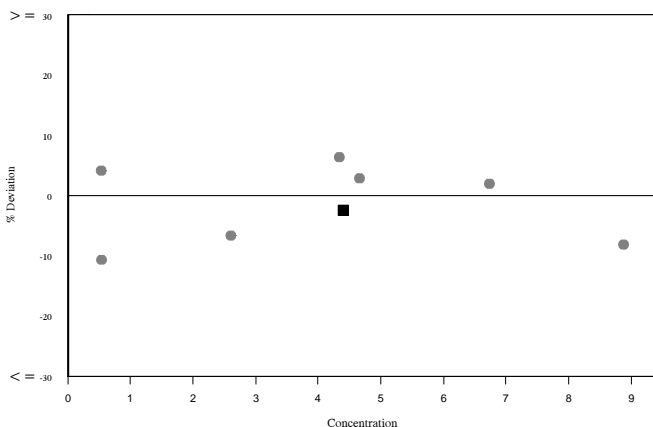
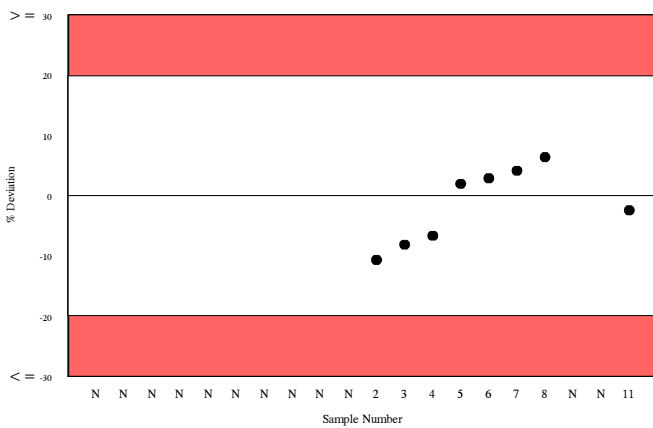
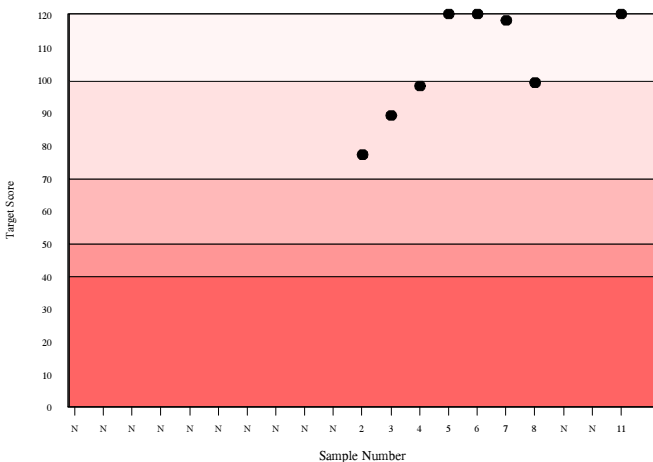
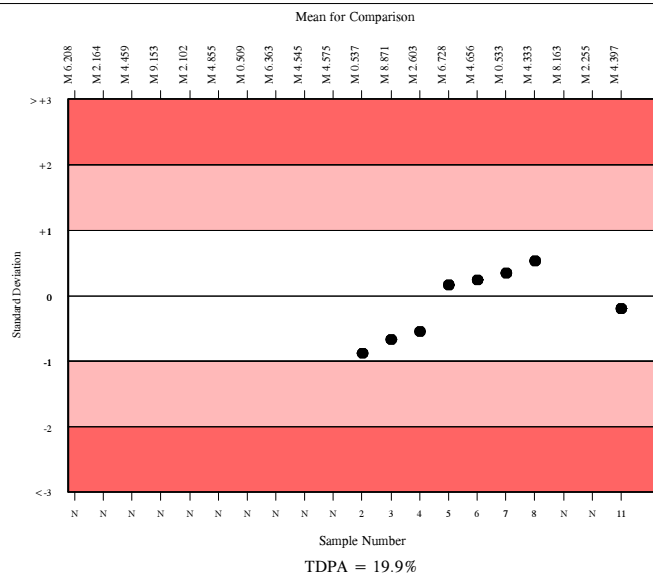
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	1358	4.211	11.0	0.02	0.51	136
Roche Cobas 4000/e411 Test II	226	4.397	5.0	0.02	0.53	23

▲ Your Result	4.290	SDI	-0.20
		RMSDI	Too Few
■ Mean for Comparison	4.397	TS	120
		RMTS	Too Few
		%DEV	-2.4
		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	318	4.428	4.6	0.01
Roche Cobas 4000/e411 Test II	226	4.397	5.0	0.02
Abbott Architect	162	4.336	6.9	0.03
Beckman DxI 600 / 800	118	3.729	4.5	0.02
Siemens Centaur XP/XPT/Classic TSTO	96	3.245	12.7	0.05
Abbott Architect 2nd gen	74	4.211	6.3	0.04
bioMerieux VIDAS Testosterone II	55	3.099	8.0	0.04
Siemens/DPC Immulite 2000/2500	52	4.458	7.6	0.06
Roche Elecsys Test II	43	4.362	5.8	0.05
Beckman Access/LXi725	30	3.942	6.3	0.06
Siemens Centaur XP/XPT/Classic TSTII	29	3.916	7.3	0.07
Ortho Vitros 3600/5600/ECi	26	4.676	4.6	0.05
bioMerieux, VIDAS	24	3.182	5.3	0.04
TOSOH	23	5.229	11.0	0.15
SNIBE Maglumi analysers	19	4.195	4.9	0.06
Roche Modular E170 Test II	18	4.455	4.5	0.06
Siemens/DPC Immulite 1000	13	5.096	11.6	0.20
Siemens Centaur CP	9	3.626	8.2	0.12
Diasorin Liaison	8	2.428	12.6	0.14
CIS, RIA Coated tube	5	3.558	6.7	0.13
Fujirebio Lumipulse G Series	4	4.886	1.9	0.06



**RIQAS**



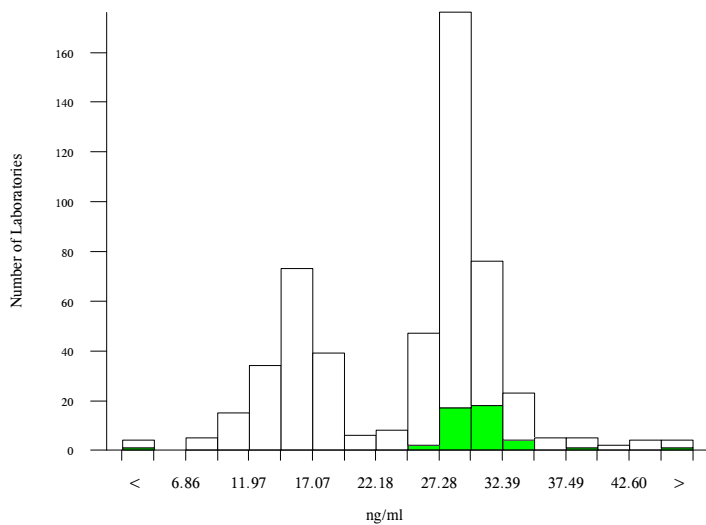
0010

# Thyroglobulin, ng/ml

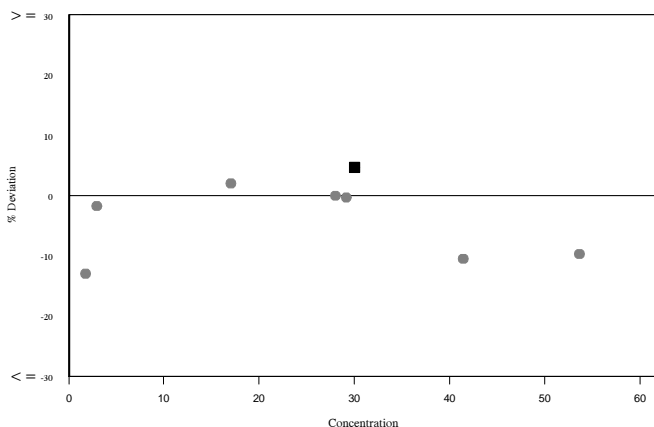
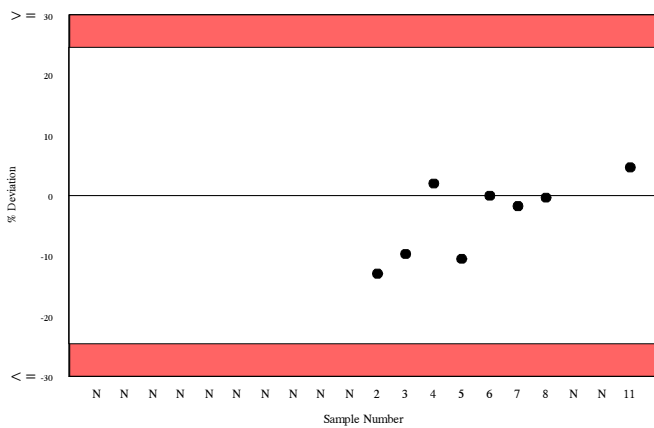
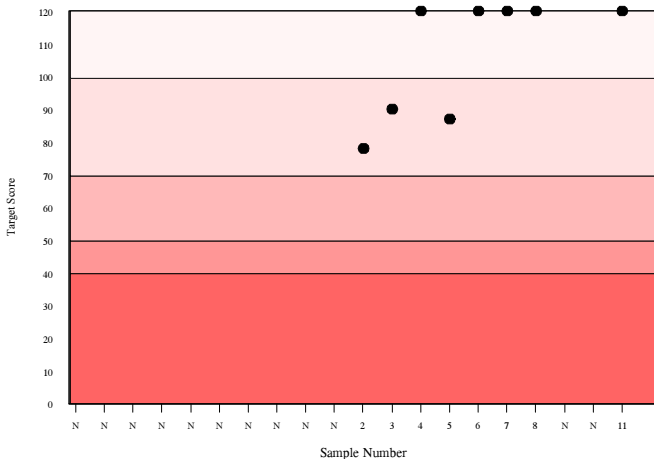
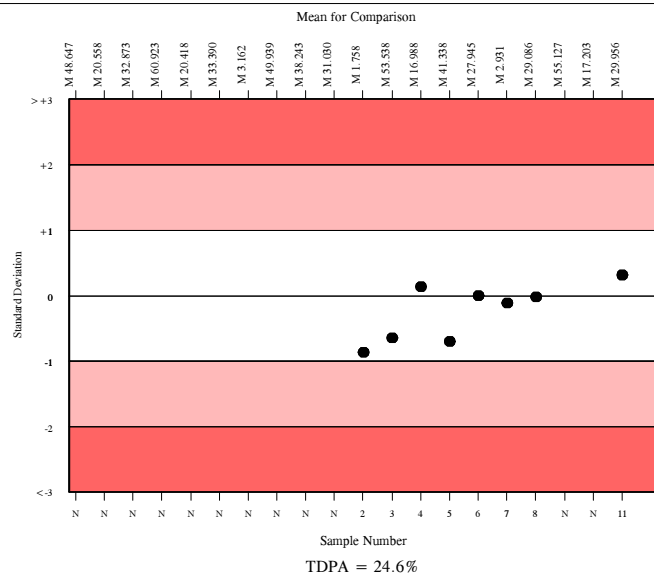
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	504	24.733	27.5	0.38	3.70	22
Roche Cobas 4000/e411 TgII	39	29.956	5.0	0.30	4.48	5

▲ Your Result	31.360	SDI	0.31
		RMSDI	Too Few
■ Mean for Comparison	29.956	TS	120
		RMTS	Too Few
		%DEV	4.7
		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	101	16.527	8.8	0.18
Roche Cobas 6000/8000 Tg II	68	28.661	3.7	0.16
Roche Cobas 6000/8000	57	28.625	4.2	0.20
Beckman DxI 600 / 800	42	27.407	4.3	0.23
Roche Cobas 4000/e411 TgII	39	29.956	5.0	0.30
Roche Cobas 4000/e411	36	29.843	7.5	0.47
Beckman Access	16	28.714	6.3	0.56
Diasorin Liaison	13	11.150	8.4	0.33
Tosoh	15	31.571	8.5	0.86
DPC Immulite 1000	13	15.009	22.4	1.17
Roche Elecsys	13	29.625	8.4	0.86
SNIBE Maglumi analysers	11	14.154	5.2	0.28
CIS, RIA coated tube	10	41.682	6.0	0.99
DiaSorin Liaison XL	10	14.027	10.8	0.60
Roche Elecsys Tg II	7	28.783	5.3	0.71
Roche Modular E170 Tg II	7	27.860	6.2	0.82
Diesse, Chorus	4	14.425	18.5	1.66
Roche Modular E170	4	29.613	4.1	0.76
ELISA	3	19.843	18.9	2.71
Brahms IRMA	2	21.070	30.8	5.74



**RIQAS**

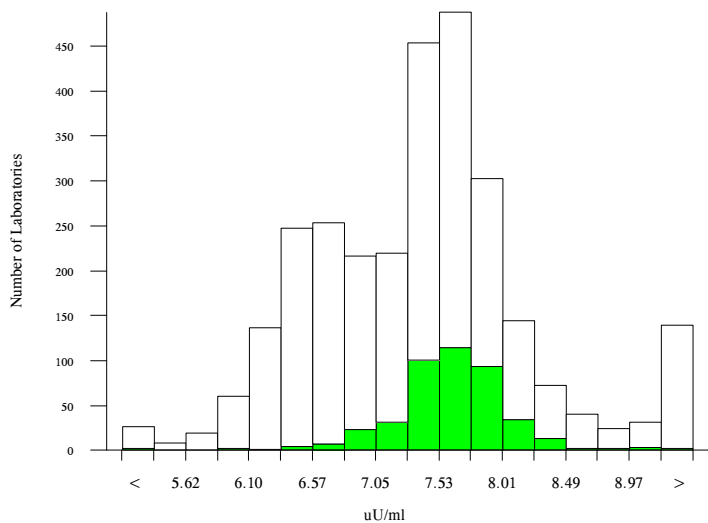
0010

# TSH, uU/ml

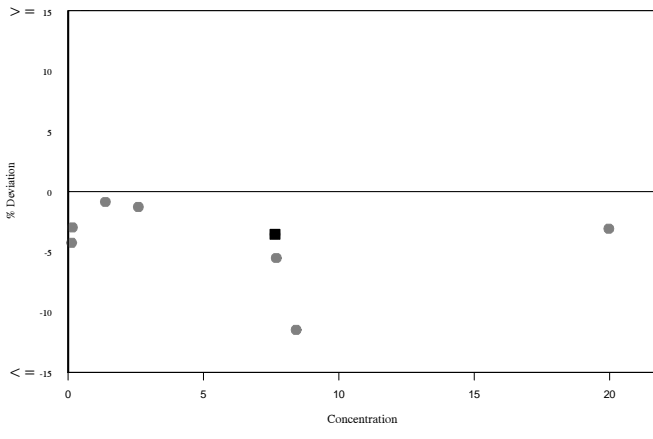
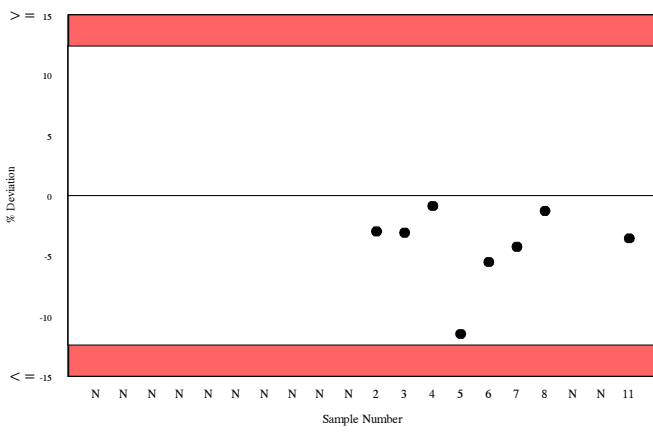
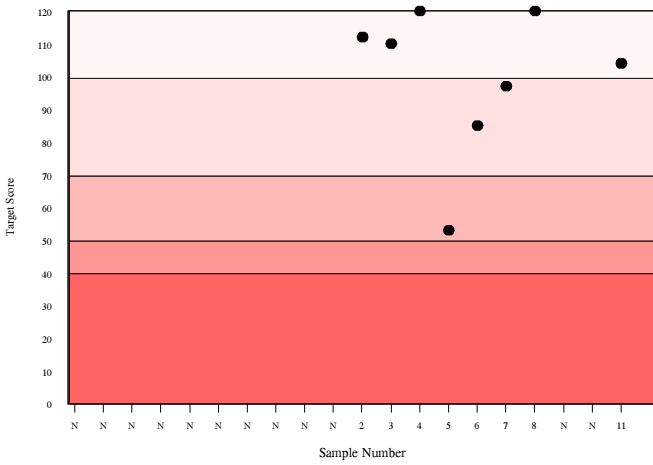
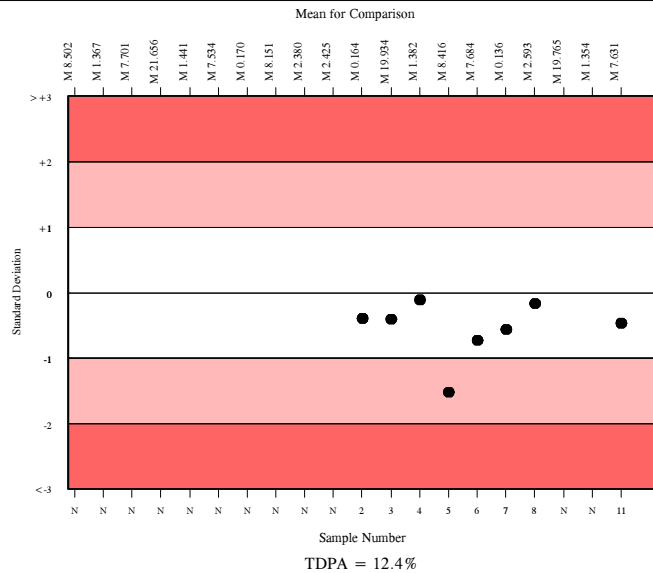
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	2672	7.297	8.7	0.02	0.55	205
Roche Cobas 4000/e411	394	7.631	3.9	0.02	0.58	39

▲ Your Result	7.360	SDI RMSDI	-0.47 Too Few
■ Mean for Comparison	7.631	TS RMTS	104 Too Few
		%DEV RM%DEV	-3.5 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	592	7.521	3.0	0.01
Abbott Architect	482	6.510	4.8	0.02
Roche Cobas 4000/e411	394	7.631	3.9	0.02
Beckman DXI600/800/ Access 2 (3rd IS)	153	6.651	3.7	0.02
Siemens Centaur XP/Classic TSH3-Ultra	134	7.723	3.3	0.03
Siemens Centaur XP/XPT/Classic	120	7.762	5.2	0.05
Access/LXi725 hyper TSH 3rd gen	78	6.842	5.3	0.05
Roche Elecsys	81	7.586	4.8	0.05
Ortho Vitros 3600/5600/ECi	69	10.146	4.6	0.07
bioMerieux, VIDAS, TSH	60	7.988	5.2	0.07
Siemens/DPC Immulite 2000/2500	60	7.664	5.6	0.07
Tosoh	49	7.938	10.1	0.14
Beckman Dxi600/800 Hyper TSH	48	6.710	5.8	0.07
Siemens/DPC Immulite 1000	43	7.551	6.4	0.09
Diasorin Liaison	44	8.730	7.5	0.12
Siemens Centaur CP	33	7.740	8.4	0.14
SNIBE Maglumi analysers	28	9.461	6.6	0.15
Roche Modular E170	19	7.473	4.0	0.08
Siemens Centaur CP TSH3-Ultra	16	7.443	6.4	0.15
CIS, IRMA	16	7.662	2.8	0.07
Siemens Centaur XP/Classic 3rdGeneration	17	8.004	7.0	0.17

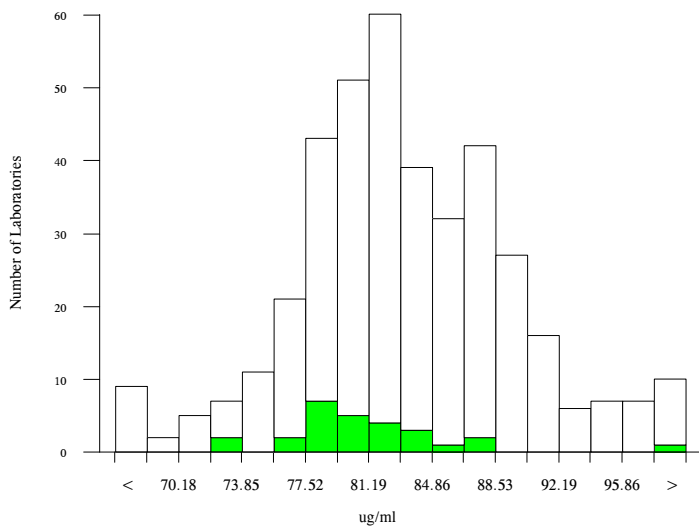


# Valproic acid, ug/ml

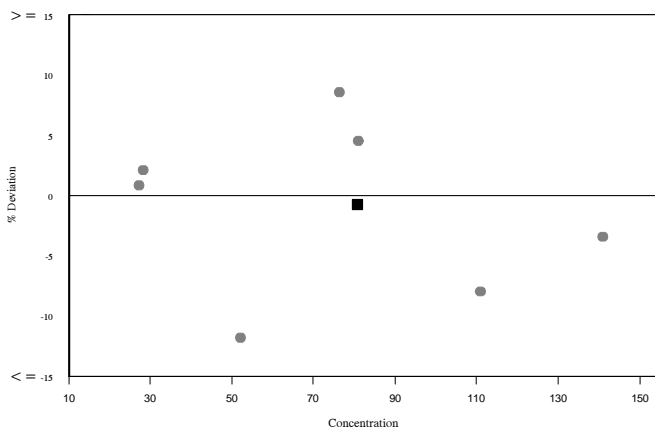
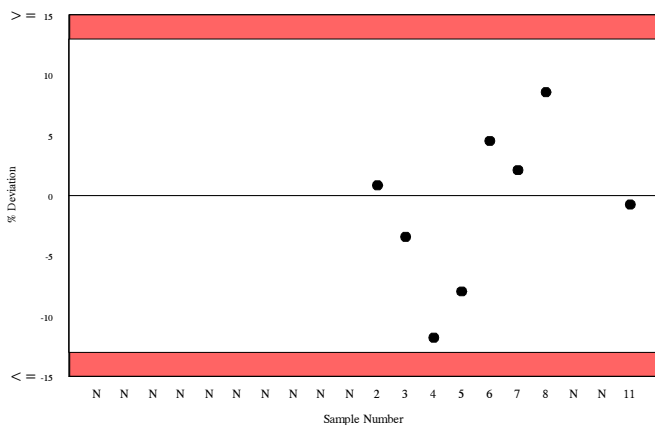
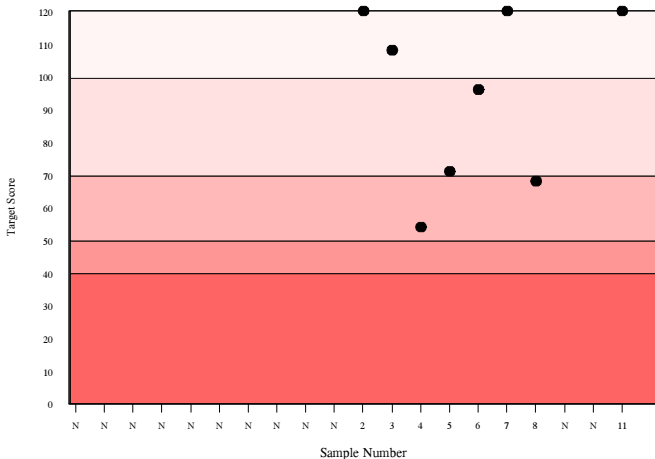
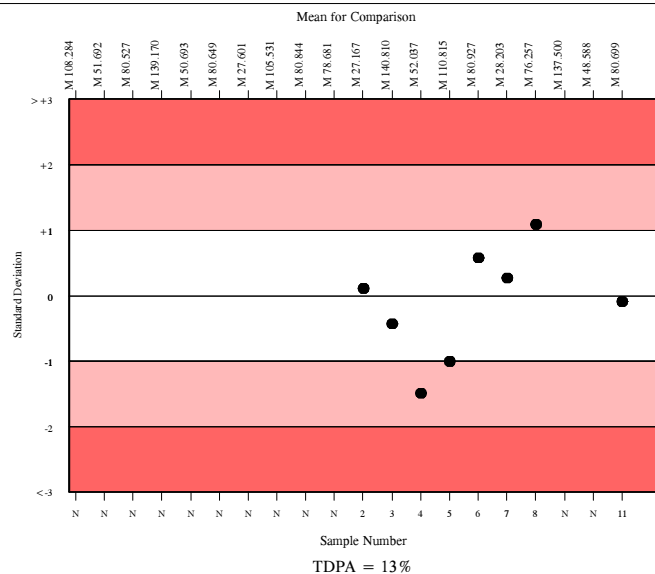
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	364	83.026	5.9	0.32	6.56	32
Siemens/DPC Immulite 2000/2500	25	80.699	4.3	0.87	6.38	2

▲ Your Result	80.100	SDI	-0.09
		RMSDI	Too Few
■ Mean for Comparison	80.699	TS	120
		RMTS	Too Few
		%DEV	-0.7
		RM%DEV	Too Few

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



Method	N	Mean	CV%	U <sub>m</sub>
Abbott Architect (CMIA)	102	84.287	5.7	0.60
Roche Cobas 6000/8000	70	82.098	5.9	0.73
Siemens Centaur XP/XPT/Classic	27	84.057	3.8	0.76
Siemens/DPC Immulite 2000/2500	25	80.699	4.3	0.87
Beckman AU400/600/640/2700/5400	23	89.421	4.0	0.94
Abbott Architect (PETINIA)	19	80.965	3.4	0.78
Roche Integra	20	80.580	3.2	0.72
Siemens/DPC Immulite 1000	16	83.279	4.8	1.25
Siemens Dimension	14	80.065	3.7	0.98
Ortho Vitros 4600/5600/5.1	10	79.946	6.4	2.04
Siemens Advia 1200/1650/1800/2400	9	89.240	6.3	2.36
Beckman DxC	9	77.080	5.5	1.76
Roche Cobas 4000/c311	5	84.116	9.7	4.56
Abbott AxSYM	4	81.682	17.4	8.87
Siemens Centaur CP	4	88.430	7.8	4.32
Siemens Syva/Emit	3	88.000	13.1	8.32
Roche Modular P/D	2	79.700	1.8	1.25
Randox RX Series	2	83.095	25.2	18.51

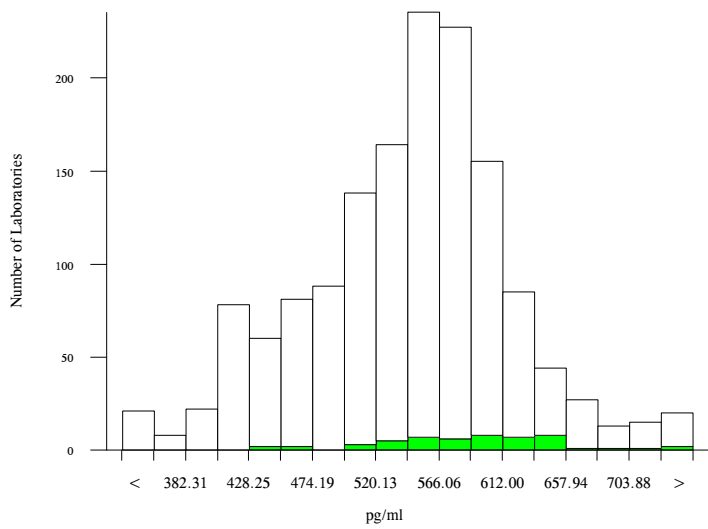


# Vitamin B12, pg/ml

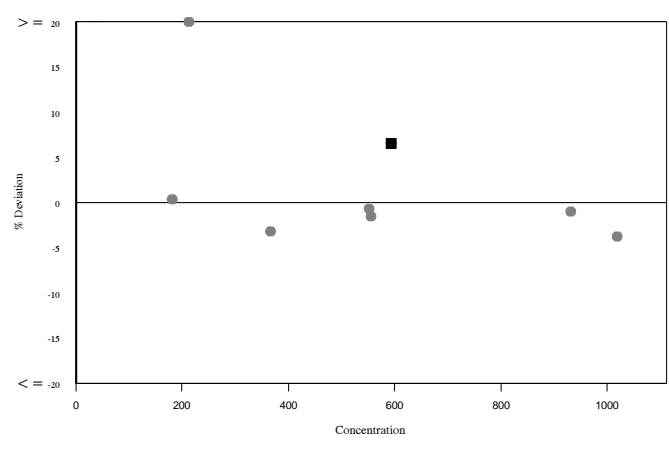
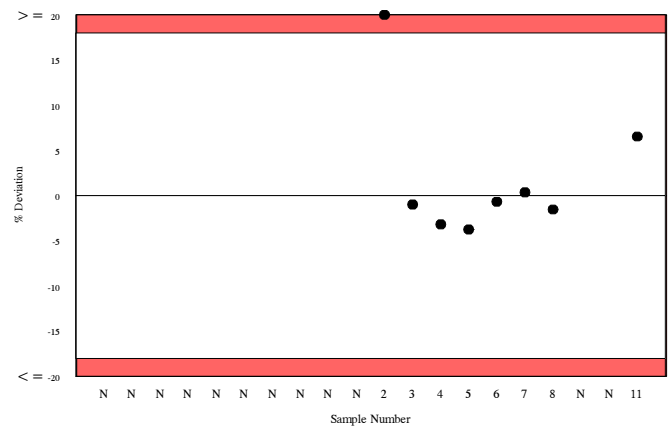
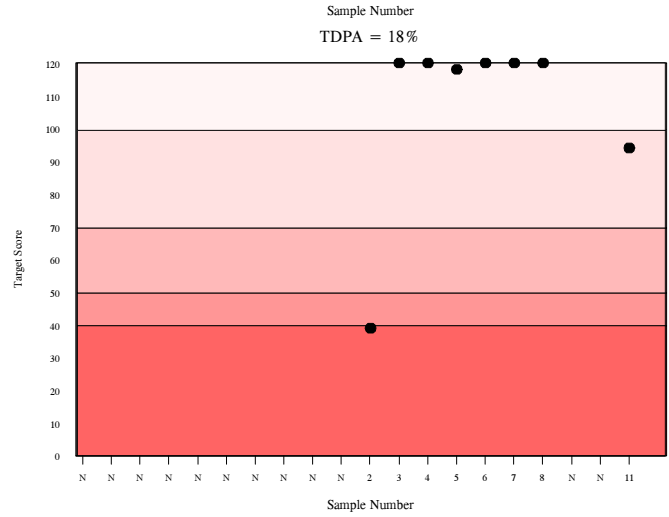
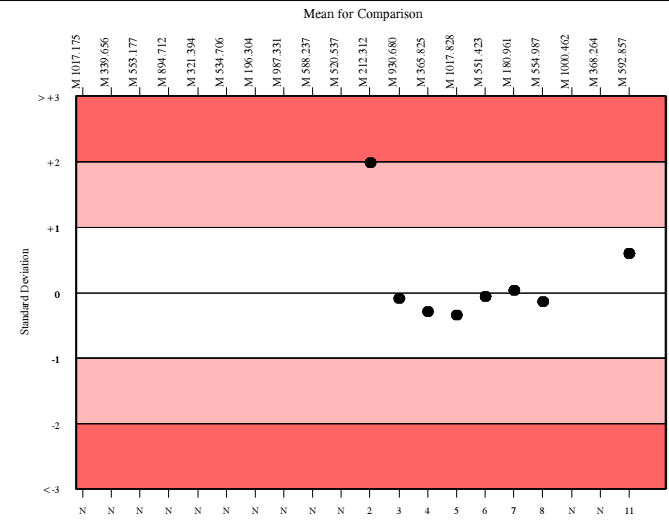
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	1386	543.100	11.3	2.06	59.43	95
Roche Cobas 4000/e411 Gen II	46	592.857	8.0	8.74	64.88	7

▲ Your Result	631.600	SDI	0.60
		RMSDI	Too Few
■ Mean for Comparison	592.857	TS	94
		RMTS	Too Few
		%DEV	6.5
		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	543.370	6.5	2.68
Roche Cobas 6000/8000	234	577.453	4.4	2.09
Siemens Centaur XP/XPT/Classic	168	535.009	7.6	3.93
Roche Cobas 4000/e411	162	589.592	8.6	4.99
Beckman DxI 600 / 800	154	439.592	5.8	2.55
Roche Cobas 6000/8000 Gen II	84	572.937	3.6	2.82
Beckman Access/LXi725	48	472.812	5.9	5.06
Roche Cobas 4000/e411 Gen II	46	592.857	8.0	8.74
Roche Elecsys	34	605.499	10.3	13.41
Siemens/DPC Immulite 2000	32	465.574	11.0	11.29
Ortho Vitros 3600/5600/ECi	28	565.908	6.5	8.62
Roche Modular E170	16	584.084	4.1	7.57
Siemens Centaur CP	11	543.009	7.7	15.80
SNIBE Maglumi analysers	14	413.443	5.4	7.52
TOSOH	14	691.926	8.4	19.32
Siemens Dimension	6	513.353	3.7	9.66
Siemens/DPC Immulite 1000	5	510.034	21.8	62.14
MP Biomedicals RIA	3	489.403	1.5	5.28
Roche Modular E170 Gen II	4	601.000	5.8	21.76
Abbott AxSYM	3	596.033	7.7	33.19



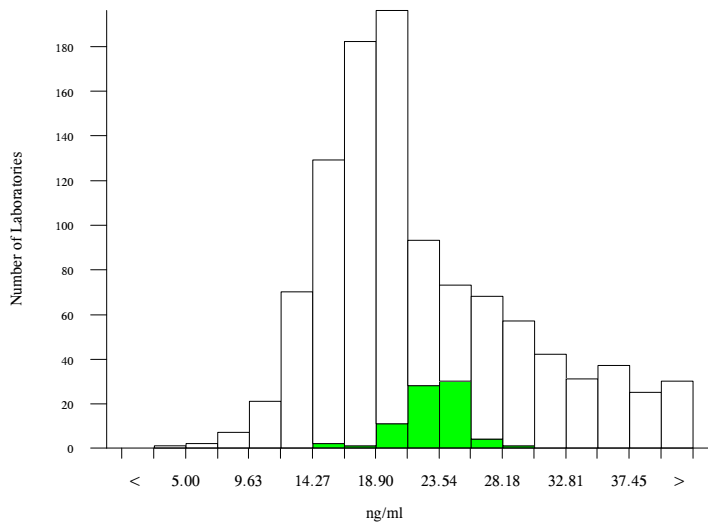


# 25-OH-Vitamin D, ng/ml

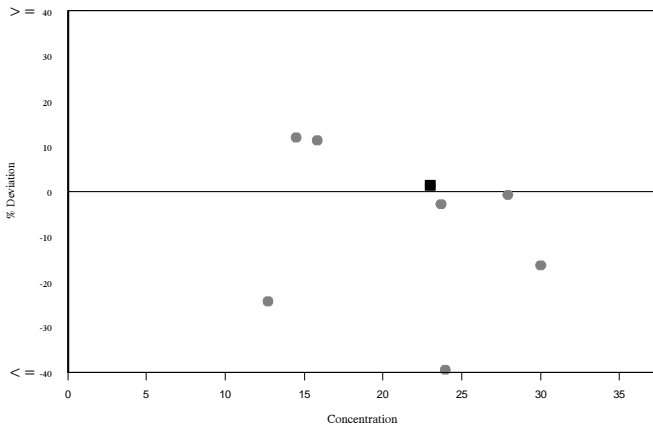
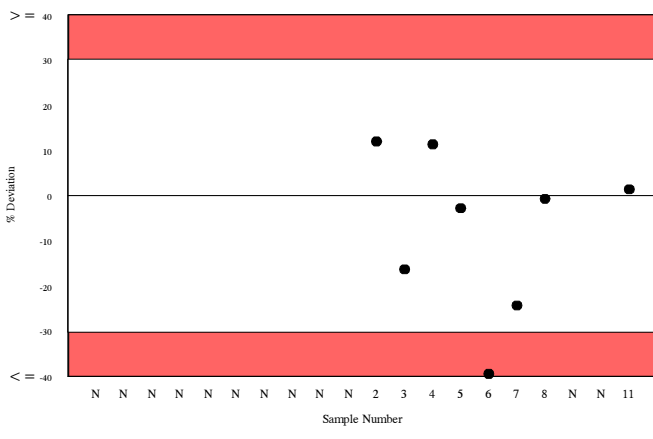
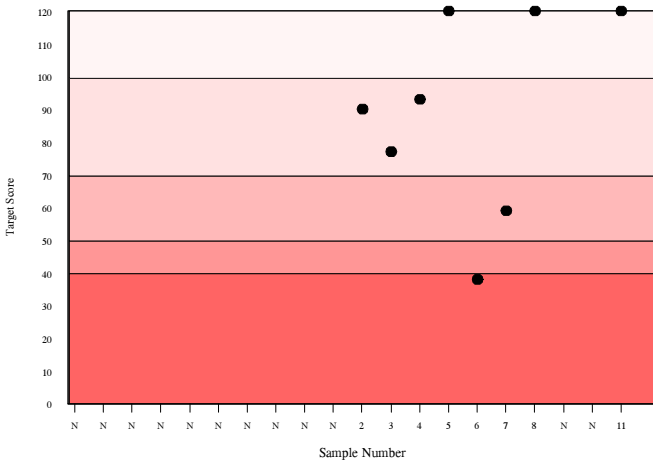
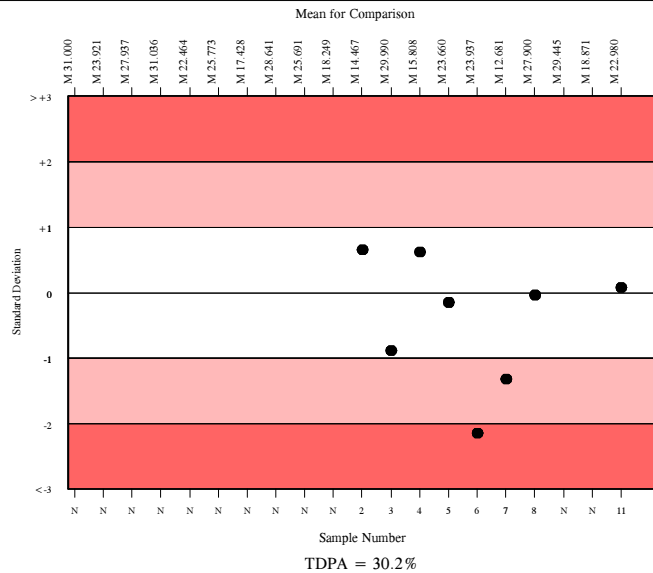
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	999	21.227	29.1	0.24	3.90	66
bioMerieux Vidas/mini Vidas/Vidas 3	67	22.980	5.4	0.19	4.22	11

▲ Your Result	23.300	SDI	0.08
		RMSDI	Too Few
■ Mean for Comparison	22.980	TS	120
		RMTS	Too Few
		%DEV	1.4
		RM%DEV	Too Few

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



Method	N	Mean	CV%	U <sub>m</sub>
Roche Vitamin D Total	358	16.205	13.9	0.15
Abbott Architect (3L52)	139	19.714	5.1	0.11
Siemens Centaur XP/XPT/Classic	85	36.022	7.0	0.34
Beckman DxI 600 /800	83	27.292	10.7	0.40
bioMerieux Vidas/mini Vidas/Vidas 3	67	22.980	5.4	0.19
Abbott Architect (5P02)	54	19.637	5.2	0.18
Diasorin Liaison	39	28.144	8.2	0.46
DiaSorin Liaison XL	28	28.790	10.0	0.68
Ortho Vitros 3600/5600/ECi	27	40.463	8.6	0.83
Beckman Access 25 OH Vitamin D Total	24	28.318	9.0	0.65
SNIBE Maglumi Analyser	14	17.806	13.1	0.78
Fujirebio Lumipulse G Series	7	21.114	2.2	0.22
TOSOH	8	24.885	13.0	1.43
IDS iSYS	8	22.792	10.8	1.09
HPLC/UPLC	6	21.237	9.9	1.07
ELISA	5	26.507	19.8	2.93
LC/MS	3	20.600	26.9	3.99
Roche Vitamin D Total II	3	28.108	16.6	3.36



**RIQAS**

Analyte	Mean for Comparison	Your Result	SDI	RMSDI	%DEV	RM%DEV	TS	RMTS	Performance
ACTH	56.259	44.420	-0.77	Too Few	-21.0	Too Few	N/A	N/A	
AFP	106.019	117.300	1.16	Too Few	10.6	Too Few	65	Too Few	
Aldosterone	116.762	116.700	-0.00	Too Few	-0.1	Too Few	120	Too Few	
Androstenedione	4.728	4.190	-0.81	Too Few	-11.4	Too Few	80	Too Few	
Beta-2-Microglobulin	3.510	3.230	-0.76	Too Few	-8.0	Too Few	84	Too Few	
CA 125	123.346	131.300	0.82	Too Few	6.4	Too Few	80	Too Few	
CA 15-3	49.588	51.800	0.52	Too Few	4.5	Too Few	100	Too Few	
CA 19-9	74.757	80.600	0.81	Too Few	7.8	Too Few	81	Too Few	
CEA	26.468	28.670	1.01	Too Few	8.3	Too Few	71	Too Few	
Cortisol	566.290	538.800	-0.54	Too Few	-4.9	Too Few	98	Too Few	
C-Peptide	6.382	6.470	0.08	Too Few	1.4	Too Few	120	Too Few	
DHEA-S	450.618	428.300	-0.44	Too Few	-5.0	Too Few	107	Too Few	
Digoxin	2.013	1.930	-0.37	Too Few	-4.1	Too Few	115	Too Few	
Ferritin	182.382	197.900	0.99	Too Few	8.5	Too Few	72	Too Few	
Folate	5.494	4.880	-0.80	Too Few	-11.2	Too Few	74	Too Few	
FSH	32.309	33.530	0.49	Too Few	3.8	Too Few	103	Too Few	
GH	8.825	8.310	-0.47	Too Few	-5.8	Too Few	105	Too Few	
hCG	193.280	195.400	0.13	Too Few	1.1	Too Few	120	Too Few	
IgE	357.643	355.800	-0.06	Too Few	-0.5	Too Few	120	Too Few	
Insulin	16.067	16.500	0.23	Too Few	2.7	Too Few	120	Too Few	
LH	26.419	28.010	0.83	Too Few	6.0	Too Few	80	Too Few	
Oestradiol	257.187	272.000	0.56	Too Few	5.8	Too Few	97	Too Few	
17-OH-Progesterone	5.148	5.820	0.80	Too Few	13.1	Too Few	N/A	N/A	
Progesterone	16.071	15.690	-0.21	Too Few	-2.4	Too Few	120	Too Few	
Prolactin	935.334	968.000	0.24	Too Few	3.5	Too Few	120	Too Few	
PSA, Free	10.231	11.190	1.32	Too Few	9.4	Too Few	60	Too Few	
PSA, Total	14.475	13.310	-1.08	Too Few	-8.0	Too Few	68	Too Few	
Parathyroid hormone	657.059	464.300	<b>-2.94</b>	Too Few	-29.3	Too Few	N/A	N/A	
Sex Hormone Binding Globulin	25.184	23.210	-0.96	Too Few	-7.8	Too Few	73	Too Few	
Free T3	17.459	16.760	-0.46	Too Few	-4.0	Too Few	105	Too Few	
Total T3	4.308	4.230	-0.20	Too Few	-1.8	Too Few	120	Too Few	
Free T4	44.940	45.780	0.25	Too Few	1.9	Too Few	120	Too Few	
Total T4	113.802	114.400	0.06	Too Few	0.5	Too Few	120	Too Few	
Free Testosterone (Pilot)	13.728	16.800	0.66	Too Few	22.4	Too Few	N/A	N/A	
Testosterone	4.397	4.290	-0.20	Too Few	-2.4	Too Few	120	Too Few	
Thyroglobulin	29.956	31.360	0.31	Too Few	4.7	Too Few	120	Too Few	
TSH	7.631	7.360	-0.47	Too Few	-3.5	Too Few	104	Too Few	
Valproic acid	80.699	80.100	-0.09	Too Few	-0.7	Too Few	120	Too Few	
Vitamin B12	592.857	631.600	0.60	Too Few	6.5	Too Few	94	Too Few	
25-OH-Vitamin D	22.980	23.300	0.08	Too Few	1.4	Too Few	120	Too Few	

ORMSDI N/A

ORM%DEV N/A

ORMTS N/A

END OF REPORT