

Legit Medical Diagnostics

# MONTHLY HAEMATOLOGY

CYCLE 16 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: Sally Picton, RIQAS Manager

Issue No: 1

Issue Date: 15/11/2023

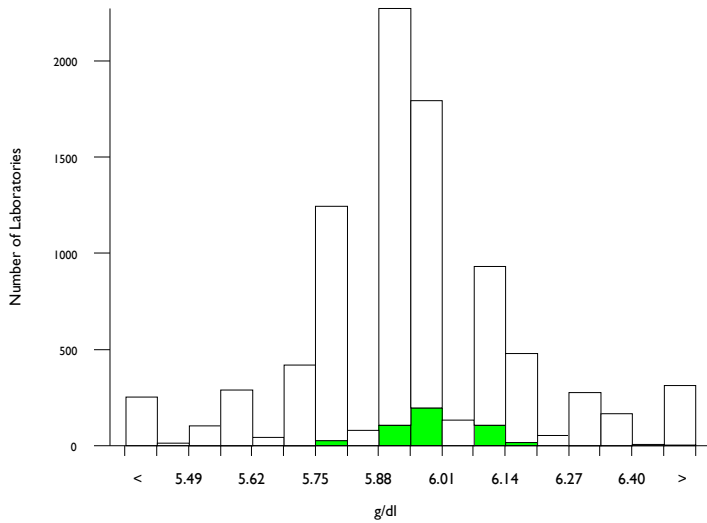
Randox Laboratories Limited  
55 Diamond Road  
CRUMLIN BT29 4QY  
Tel: +44 (0)28 9445 4399  
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Email: mail@riqas.com

# Haemoglobin, g/dl

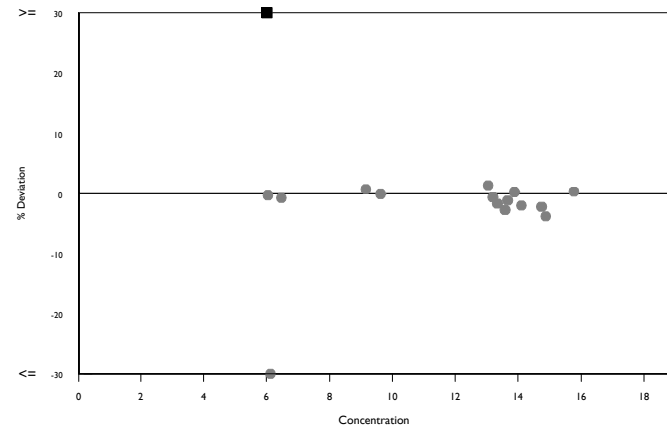
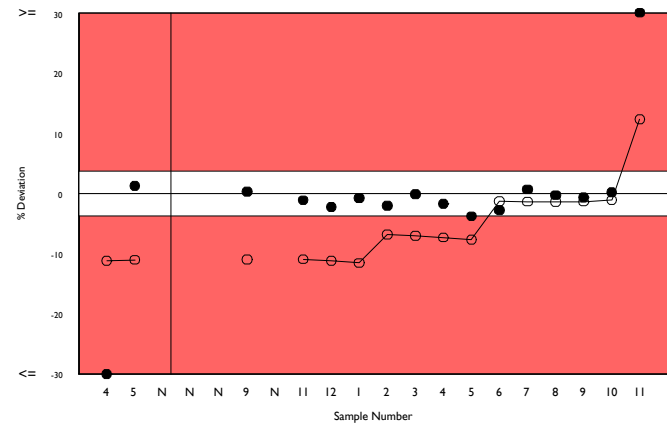
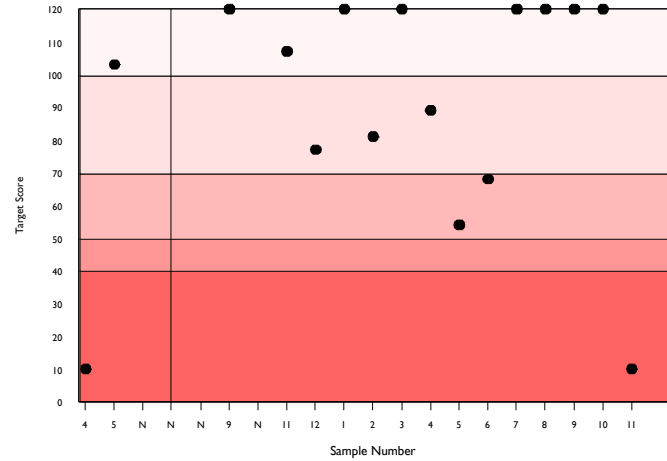
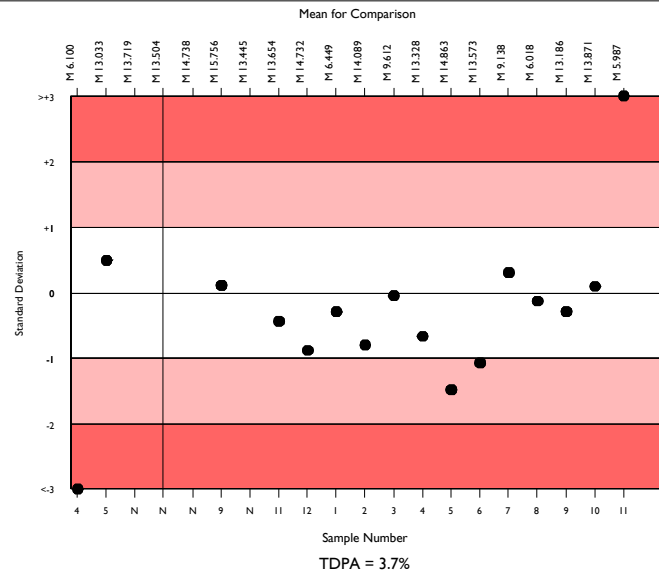
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	8293	5.947	2.9	0.00	0.13	589
Horiba Yumizen H500/ 550	441	5.987	1.4	0.01	0.13	30

▲ Your Result	14.000	SDI	59.53
		RMSDI	5.54
■ Mean for Comparison	5.987	TS	10
		RMTS	90
		%DEV	133.8
		RM%DEV	12.3

Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	3.70%
SDI in bottom 5% of peer group	
TS & %DEV outside limits	



Method	N	Mean	CV%	U <sub>m</sub>
Sysmex XN Series	1939	5.930	1.4	0.00
Sysmex XN-L Series (330/350/450/550)	727	5.861	1.3	0.00
Mindray BC-6000/6200/6600/6800/6800Plus	441	5.987	1.4	0.01
Abbott Cell-Dyn Ruby	369	6.072	2.0	0.01
Beckman Coulter DxH 600/800/900 Series	362	5.903	1.1	0.00
Sysmex XP Series	352	5.891	2.7	0.01
Mindray BC 1000/2000/3000 series	281	5.941	2.9	0.01
Nihon Kohden Celltac Alpha/plus	284	6.146	3.5	0.02
Siemens/Bayer Advia 120/2120	253	6.293	1.7	0.01
Calculated from HCT	229	5.522	3.6	0.02
Sysmex XS series	231	5.881	1.6	0.01
Mindray BC 5100/5180/5300/5380/5390	176	5.975	2.0	0.01
Manual Methods	168	5.585	4.4	0.02
Mindray BC 5000/5150/5140/5130/5120	149	5.977	1.7	0.01
ABX Micros/Minos/ABC VET	126	5.925	3.1	0.02
Mindray BC 10/20/30	129	6.056	2.2	0.01
Beckman Coulter DxH 500 Series	123	5.665	1.8	0.01
Horiba Yumizen H500/ 550	122	6.016	1.4	0.01
Sysmex XT series	111	5.944	1.4	0.01
Sysmex KX 21	99	5.942	2.8	0.02
Nihon Kohden Celltac E/Es	97	6.054	2.6	0.02

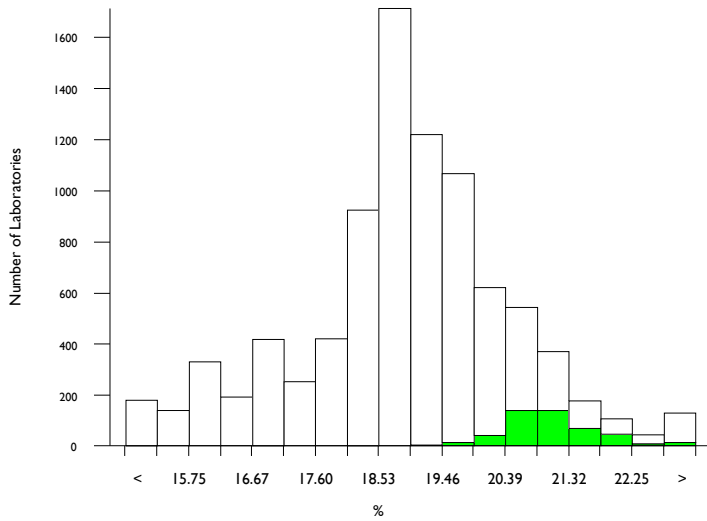


# Haematocrit (HCT), %

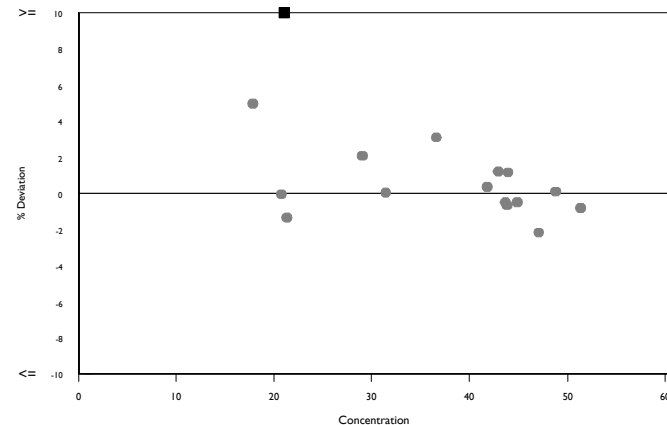
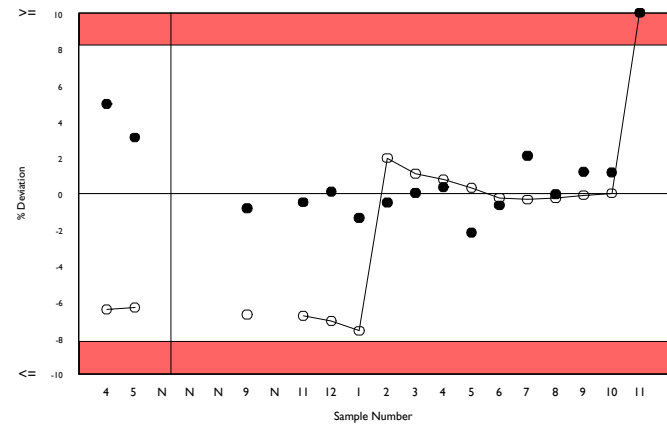
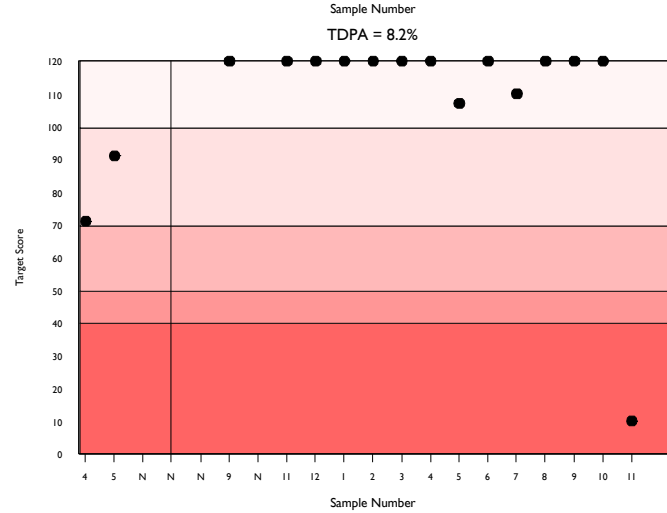
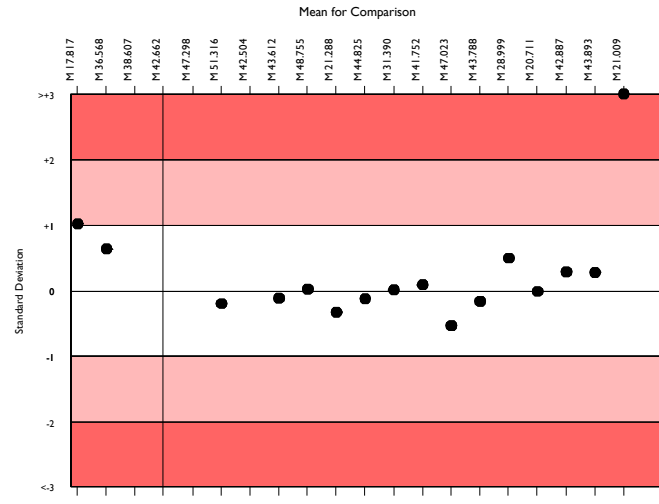
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	8182	19.002	6.5	0.02	0.79	655
Horiba Yumizen H500/ 550	439	21.009	2.5	0.03	0.88	33

▲ Your Result	45.200	SDI	27.52
		RMSDI	2.78
■ Mean for Comparison	21.009	TS	10
		RMTS	106
		%DEV	115.1
		RM%DEV	11.7

Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	8.20%
SDI in bottom 5% of peer group	
TS & %DEV outside limits	



Method	N	Mean	CV%	U <sub>m</sub>
Sysmex XN Series	1875	18.971	2.6	0.01
Sysmex XN-L Series (330/350/450/550)	706	19.174	2.9	0.03
Mindray BC-6000/6200/6600/6800/6800Plus	439	21.009	2.5	0.03
Beckman Coulter DxH 600/800/900 Series	369	18.838	2.0	0.02
Abbott Cell-Dyn Ruby	371	15.830	3.5	0.04
Sysmex XP Series	340	18.624	3.4	0.04
Mindray BC 1000/2000/3000 series	295	19.375	4.5	0.06
Nihon Kohden Celltac Alpha/plus	281	19.728	4.0	0.06
Microhematocrit Centrifugation	263	16.801	3.3	0.04
Siemens/Bayer Advia 120/2120	243	16.467	2.5	0.03
Sysmex XS series	236	19.778	3.7	0.06
Mindray BC 5100/5180/5300/5380/5390	172	20.186	3.4	0.07
Manual Methods	169	16.833	3.7	0.06
Mindray BC 5000/5150/5140/5130/5120	143	19.751	3.7	0.08
ABX Micros/Minos/ABC VET	126	18.333	4.3	0.09
Mindray BC 10/20/30	127	19.266	3.2	0.07
Beckman Coulter DxH 500 Series	128	19.043	3.4	0.07
Horiba Yumizen H500/ 550	120	17.897	3.1	0.06
Sysmex XT series	114	19.979	3.8	0.09
Sysmex KX 21	99	18.730	3.4	0.08
Nihon Kohden Celltac E/Es	100	20.104	2.9	0.07

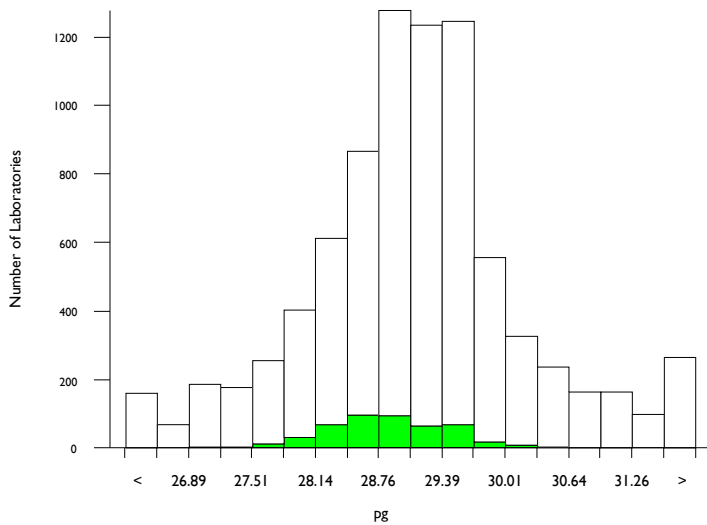


# MCH, pg

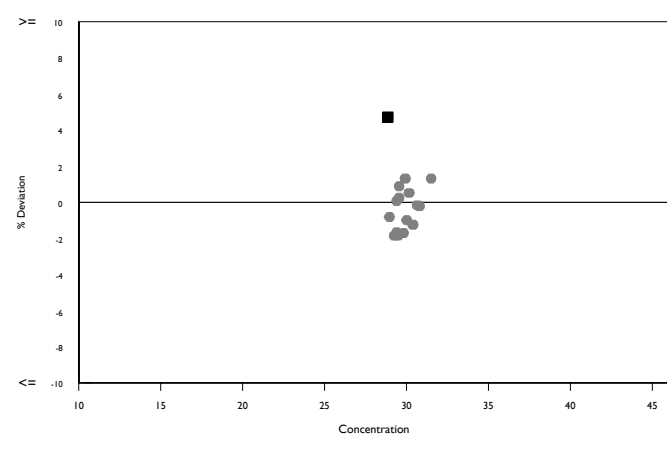
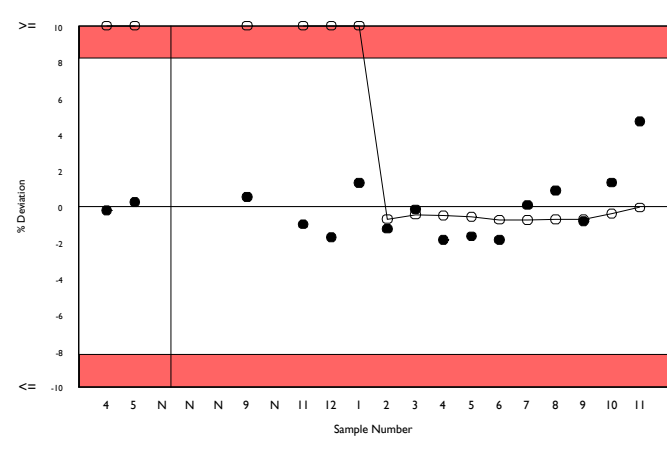
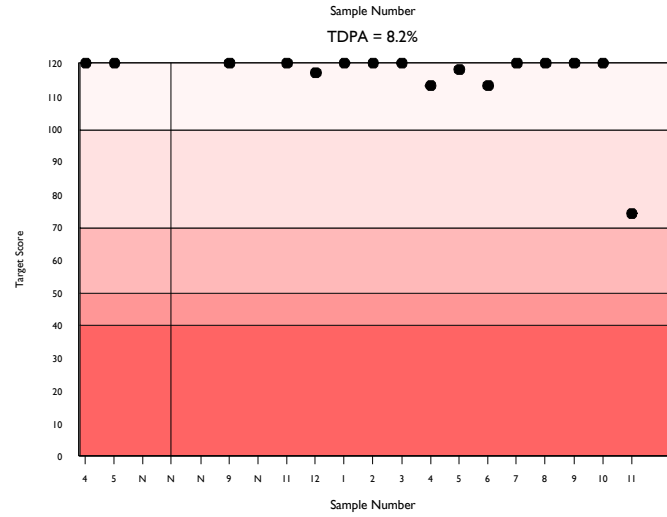
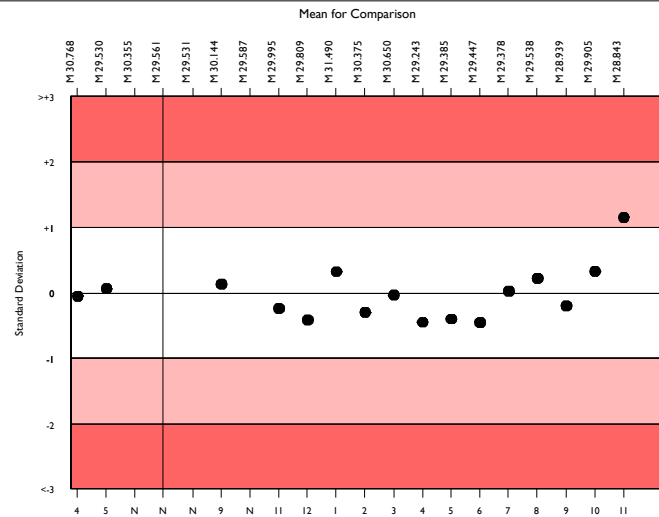
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	7658	29.078	2.9	0.01	1.19	625
Horiba Yumizen H500/ 550	434	28.843	1.7	0.03	1.18	34

▲ Your Result	30.200	SDI	1.15
		RMSDI	-0.02
■ Mean for Comparison	28.843	TS	74
		RMTS	113
		%DEV	4.7
		RM%DEV	-0.1

Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	8.20%



Method	N	Mean	CV%	U <sub>m</sub>
Sysmex XN Series	1885	29.067	1.5	0.01
Sysmex XN-L Series (330/350/450/550)	703	29.156	1.3	0.02
Mindray BC-6000/6200/6600/6800/6800Plus	434	28.843	1.7	0.03
Beckman Coulter DxH 600/800/900 Series	371	29.267	1.4	0.03
Abbott Cell-Dyn Ruby	363	30.200	2.7	0.05
Sysmex XP Series	336	28.184	2.8	0.05
Mindray BC 1000/2000/3000 series	286	28.291	3.7	0.08
Nihon Kohden Celltac Alpha/plus	274	29.175	3.4	0.07
Siemens/Bayer Advia 120/2120	243	30.613	2.6	0.06
Sysmex XS series	229	28.938	1.7	0.04
Mindray BC 5100/5180/5300/5380/5390	174	29.040	2.0	0.05
Mindray BC 5000/5150/5140/5130/5120	139	29.385	2.3	0.07
Mindray BC 10/20/30	133	29.707	2.6	0.08
Beckman Coulter DxH 500 Series	131	27.459	2.8	0.08
ABX Micros/Minos/ABC VET	124	29.023	4.0	0.13
Horiba Yumizen H500/ 550	119	29.584	1.8	0.06
Sysmex XT series	113	28.733	2.1	0.07
Sysmex KX 21	100	28.383	3.0	0.11
Nihon Kohden Celltac E/Es	93	28.694	2.2	0.08
Horiba ABX Pentra 60/80/XLR	89	29.064	2.0	0.08
Boule Medonic/ Swelab 3-part diff	85	30.838	2.1	0.09

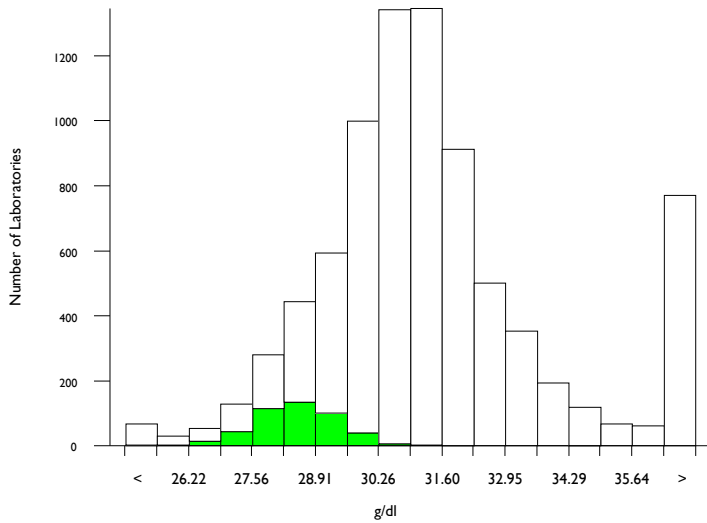


# MCHC, g/dl

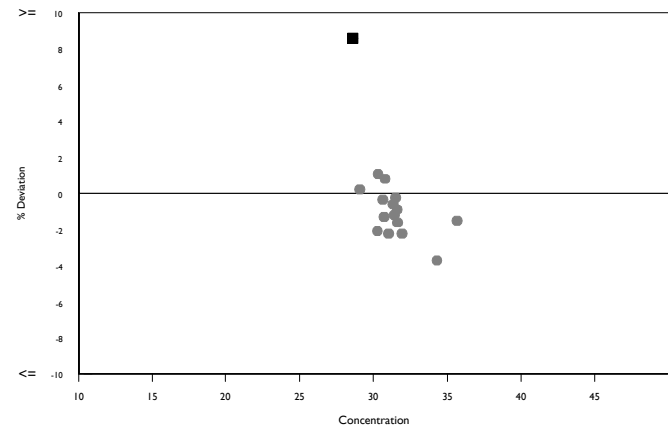
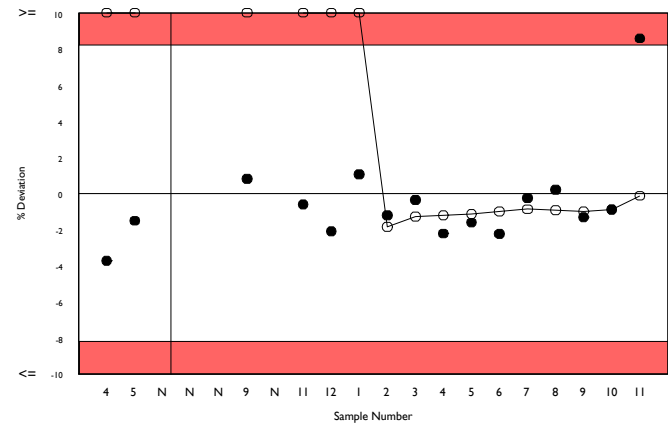
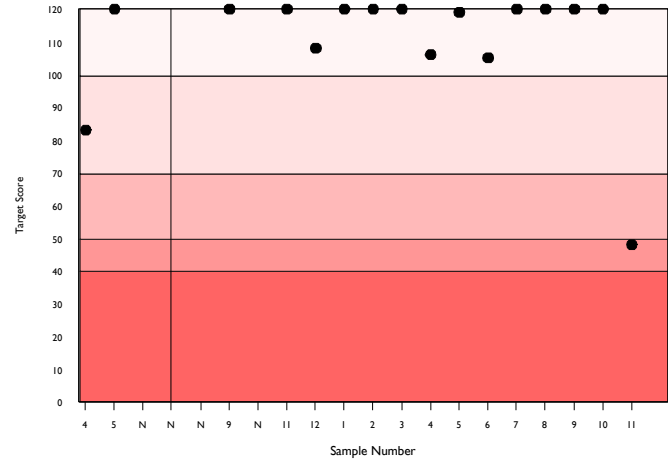
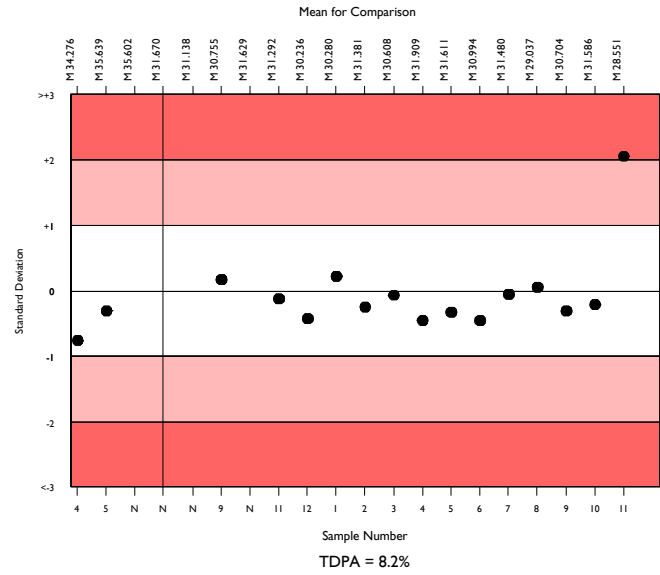
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	7477	30.934	5.8	0.03	1.29	780
Horiba Yumizen H500/ 550	436	28.551	2.6	0.04	1.19	31

▲ Your Result	31.000	SDI	2.05
		RMSDI	-0.01
■ Mean for Comparison	28.551	TS	48
		RMTS	109
		%DEV	8.6
		RM%DEV	-0.1

Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	8.20%
SDI in bottom 5% of peer group	
TS & %DEV outside limits	



Method	N	Mean	CV%	U <sub>m</sub>
Sysmex XN Series	1890	31.232	2.7	0.02
Sysmex XN-L Series (330/350/450/550)	703	30.589	2.8	0.04
Mindray BC-6000/6200/6600/6800/6800Plus	436	28.551	2.6	0.04
Beckman Coulter DxH 600/800/900 Series	374	31.350	2.2	0.04
Abbott Cell-Dyn Ruby	354	38.296	3.4	0.09
Sysmex XP Series	342	31.602	4.4	0.09
Mindray BC 1000/2000/3000 series	279	30.606	5.2	0.12
Nihon Kohden Celltac Alpha/plus	273	31.218	4.7	0.11
Siemens/Bayer Advia 120/2120	234	38.262	2.9	0.09
Sysmex XS series	219	29.745	3.2	0.08
Mindray BC 5100/5180/5300/5380/5390	176	29.620	4.0	0.11
Mindray BC 5000/5150/5140/5130/5120	140	30.204	3.1	0.10
Mindray BC 10/20/30	129	31.344	3.1	0.11
Beckman Coulter DxH 500 Series	126	29.670	3.5	0.12
ABX Micros/Minos/ABC VET	120	32.192	5.1	0.19
Horiba Yumizen H500/ 550	118	33.608	3.0	0.12
Sysmex XT series	113	29.756	3.9	0.13
Sysmex KX 21	97	31.564	4.1	0.16
Nihon Kohden Celltac E/Es	93	30.328	3.4	0.13
Horiba ABX Pentra 60/80/XLR	82	33.217	2.2	0.10
Boule Medonic/ Swelab 3-part diff	83	33.585	3.6	0.16

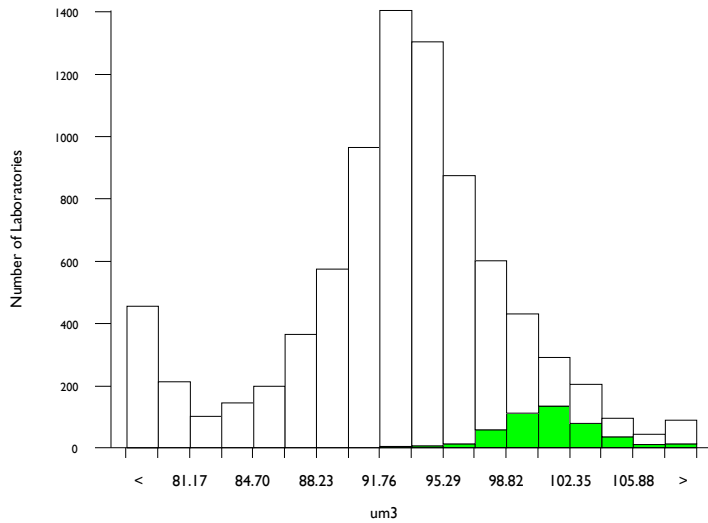


# MCV, um3

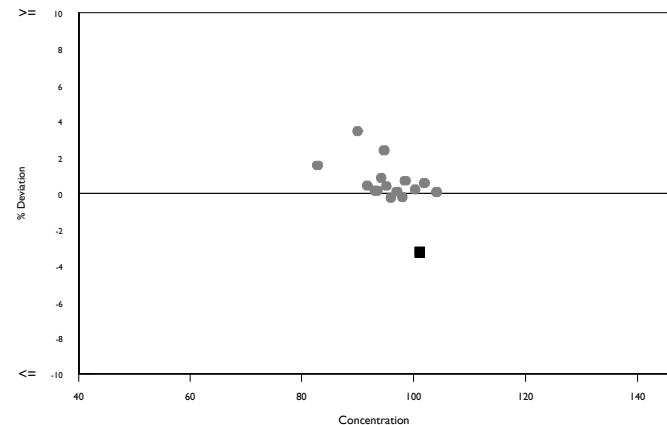
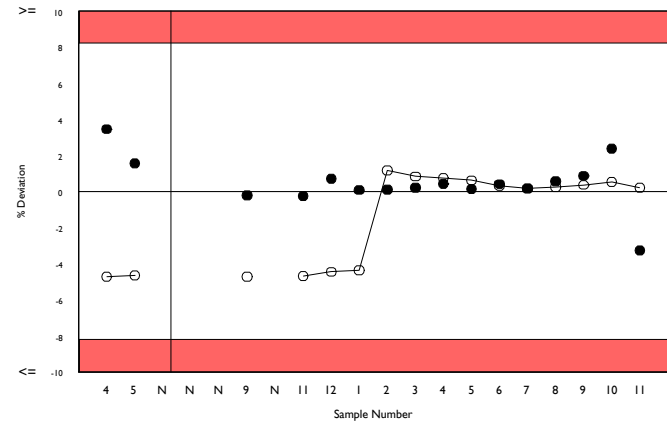
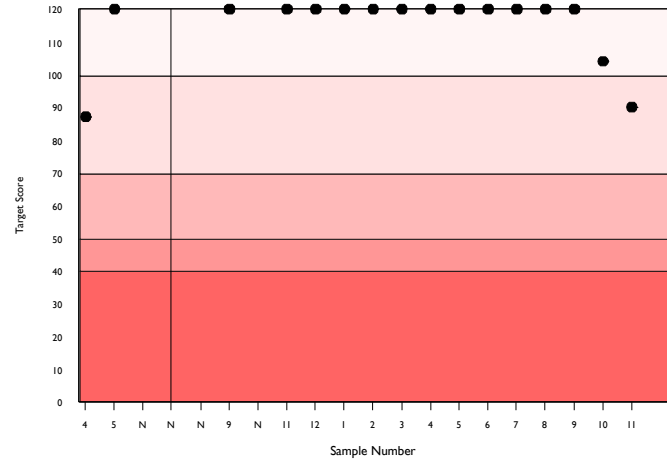
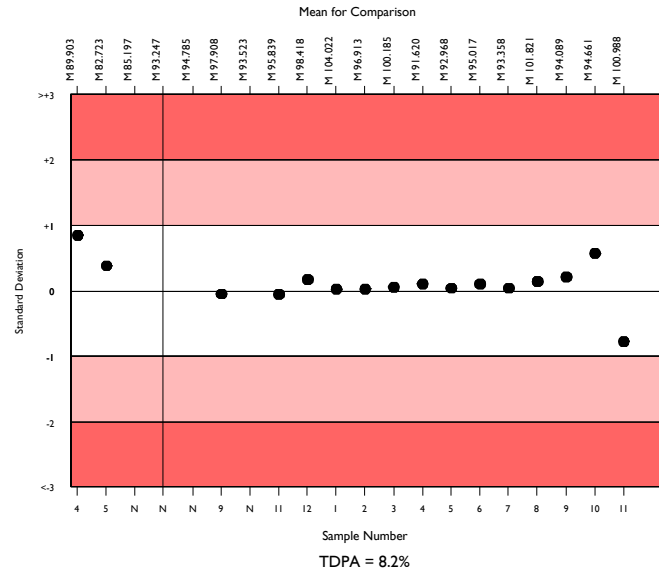
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	7625	93.530	5.0	0.07	3.91	721
Horiba Yumizen H500/ 550	435	100.988	2.2	0.13	4.23	33

▲ Your Result	97.700	SDI	-0.78
		RMSDI	0.05
■ Mean for Comparison	100.988	TS	90
		RMTS	115
		%DEV	-3.3
		RM%DEV	0.2

Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	8.20%



Method	N	Mean	CV%	U <sub>m</sub>
Sysmex XN Series	1879	92.995	2.3	0.06
Sysmex XN-L Series (330/350/450/550)	689	95.113	2.3	0.10
Mindray BC-6000/6200/6600/6800/6800Plus	435	100.988	2.2	0.13
Abbott Cell-Dyn Ruby	364	78.904	2.5	0.13
Beckman Coulter DxH 600/800/900 Series	356	93.270	1.3	0.08
Sysmex XP Series	345	89.064	3.1	0.19
Mindray BC 1000/2000/3000 series	281	92.729	3.5	0.24
Nihon Kohden Celltac Alpha/plus	285	93.351	3.1	0.22
Siemens/Bayer Advia 120/2120	246	79.937	2.2	0.14
Sysmex XS series	227	97.124	3.1	0.25
Mindray BC 5100/5180/5300/5380/5390	170	97.698	2.6	0.24
Mindray BC 5000/5150/5140/5130/5120	137	97.282	2.5	0.25
Mindray BC 10/20/30	126	94.648	2.0	0.22
Beckman Coulter DxH 500 Series	124	92.425	1.9	0.20
ABX Micros/Minos/ABC VET	119	90.138	3.0	0.31
Horiba Yumizen H500/ 550	116	87.798	2.3	0.24
Sysmex XT series	115	96.665	3.5	0.40
Sysmex KX 21	96	89.810	3.2	0.36
Nihon Kohden Celltac E/Es	97	95.103	2.6	0.32
Horiba ABX Pentra 60/80/XLR	84	87.622	1.9	0.23
Boule Medonic/ Swelab 3-part diff	82	91.097	2.8	0.35

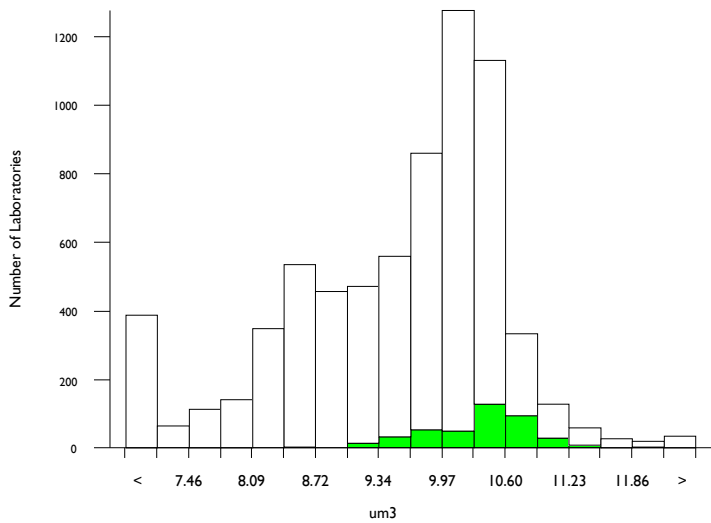


# Mean Platelet Volume, um<sup>3</sup>

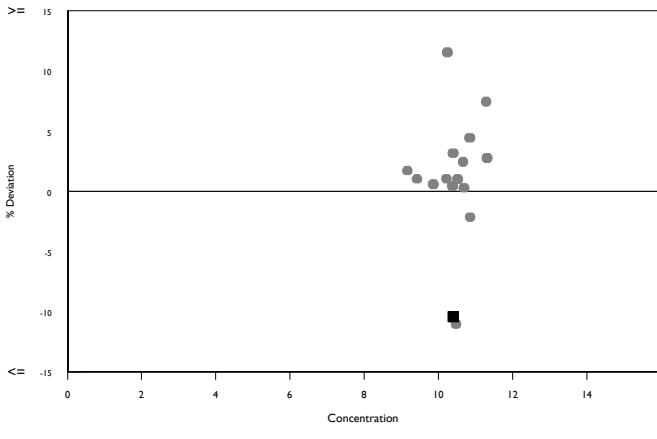
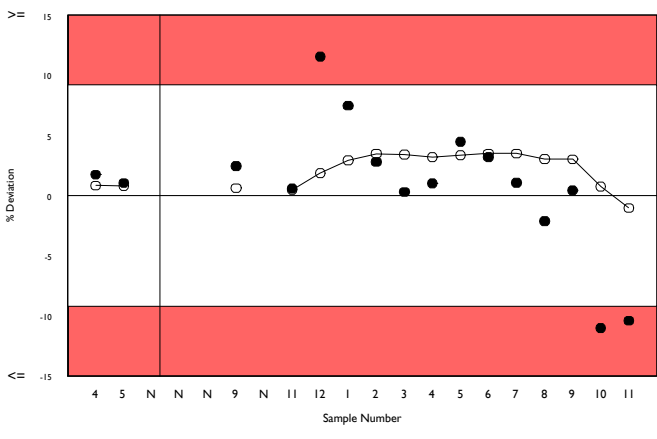
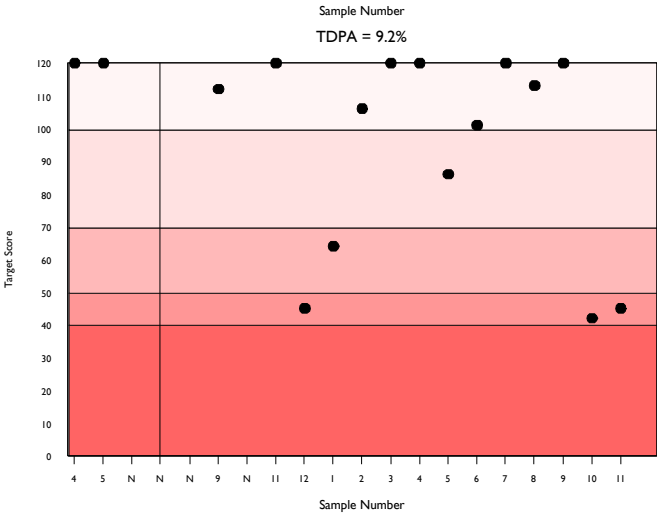
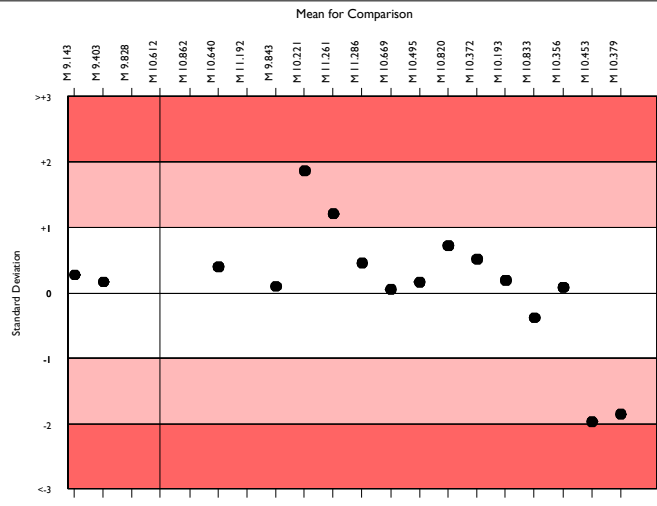
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	6435	9.664	8.7	0.01	0.54	498
Horiba Yumizen H500/ 550	389	10.379	4.5	0.03	0.58	26

▲ Your Result	9.300	SDI	-1.86
		RMSDI	-0.21
■ Mean for Comparison	10.379	TS	45
		RMTS	97
		%DEV	-10.4
		RM%DEV	-1.0

Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	9.20%
TS & %DEV outside limits	



Method	N	Mean	CV%	U <sub>m</sub>
Sysmex XN Series	1611	10.131	2.5	0.01
Sysmex XN-L Series (330/350/450/550)	488	10.219	2.9	0.02
Mindray BC-6000/6200/6600/6800/6800Plus	389	10.379	4.5	0.03
Beckman Coulter DxH 600/800/900 Series	295	8.626	3.1	0.02
Sysmex XP Series	276	9.369	3.6	0.03
Abbott Cell-Dyn Ruby	277	5.234	9.4	0.04
Mindray BC 1000/2000/3000 series	270	9.109	6.9	0.05
Nihon Kohden Celltac Alpha/plus	240	8.501	5.5	0.04
Sysmex XS series	191	9.980	2.9	0.03
Siemens/Bayer Advia 120/2120	185	10.901	5.2	0.05
Mindray BC 5000/5150/5140/5130/5120	123	10.270	2.6	0.03
Mindray BC 5100/5180/5300/5380	114	9.017	3.3	0.03
Horiba Yumizen H500/ 550	108	10.137	4.6	0.06
Mindray BC 10/20/30	107	10.017	3.4	0.04
Beckman Coulter DxH 500 Series	109	9.176	4.8	0.05
Sysmex XT series	103	9.737	4.0	0.05
ABX Micros/Minos/ABC VET	91	8.386	4.9	0.05
Sysmex KX 21	80	9.101	3.5	0.04
Nihon Kohden Celltac E/Es	75	7.528	4.1	0.04
Horiba ABX Pentra 60/80/XLR	74	9.337	3.9	0.05
Boule Medonic/ Swelab 3-part diff	71	9.142	4.9	0.07

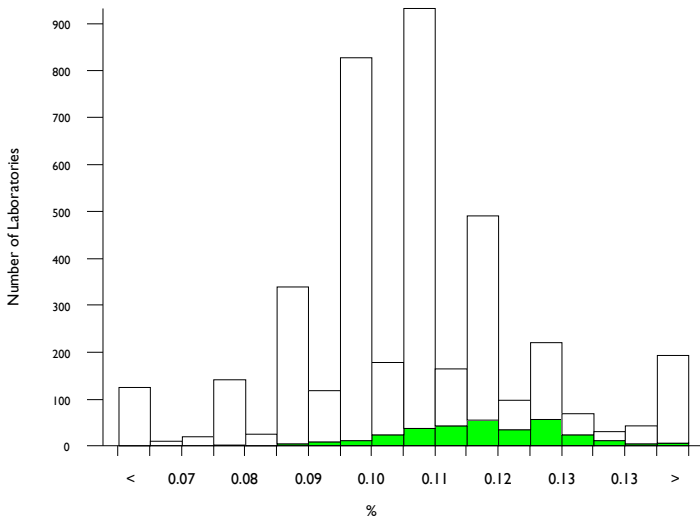


# Plateletcrit, %

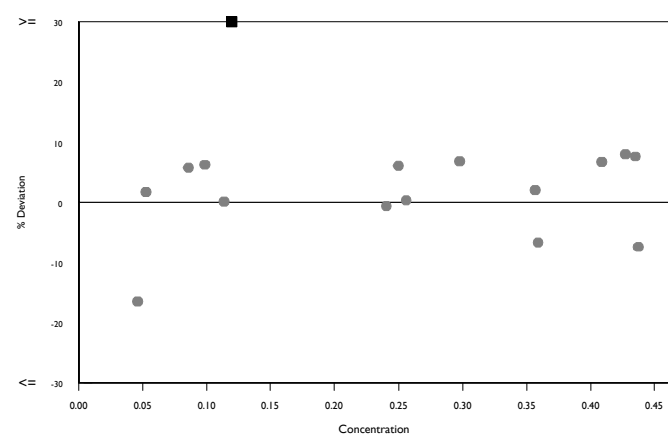
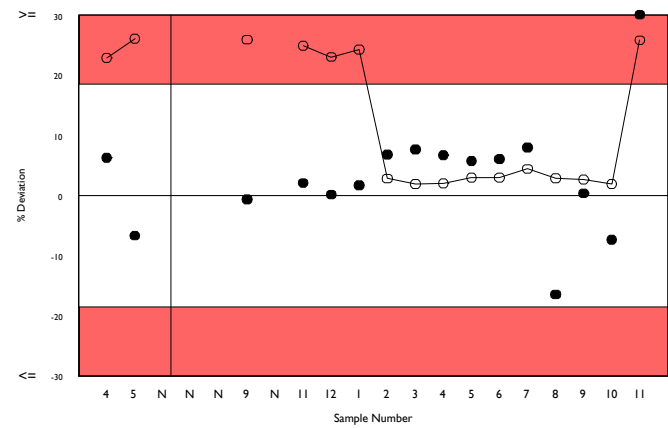
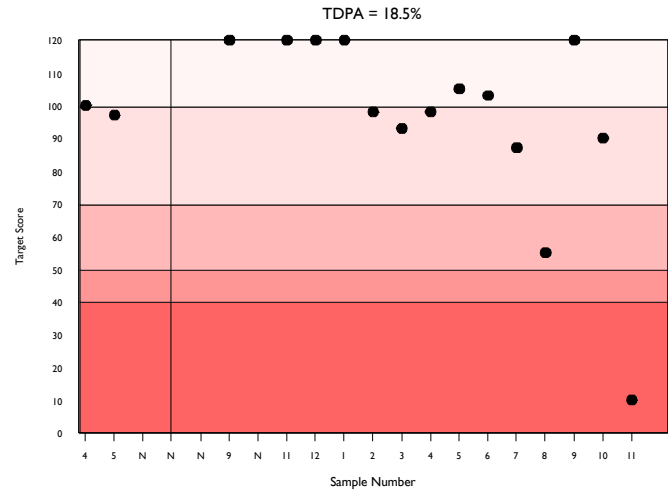
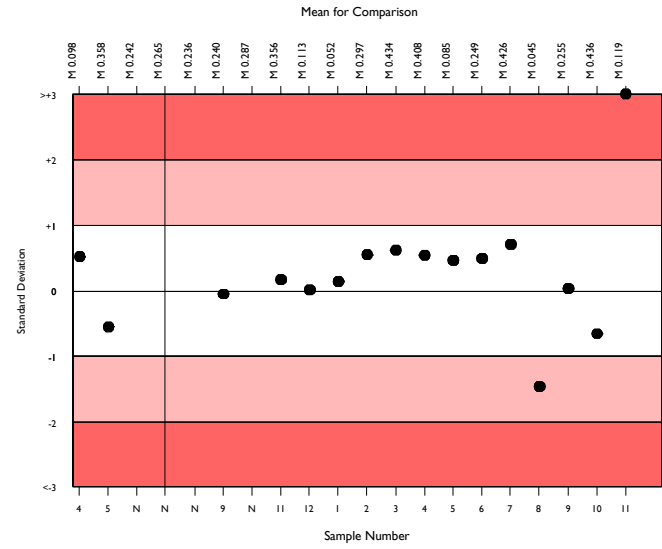
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	3633	0.107	11.6	0.00	0.01	387
Horiba Yumizen H500/ 550	306	0.119	8.6	0.00	0.01	18

▲ Your Result	0.405	SDI	21.50
		RMSDI	2.28
■ Mean for Comparison	0.119	TS	10
		RMTS	85
		%DEV	240.3
		RM%DEV	25.8

Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	18.50%
SDI in bottom 5% of peer group	
TS & %DEV outside limits	



Method	N	Mean	CV%	U <sub>m</sub>
Sysmex XN Series	835	0.106	7.5	0.00
Mindray BC-6000/6200/6600/6800/6800Plus	306	0.119	8.6	0.00
Mindray BC 1000/2000/3000 series	239	0.105	12.6	0.00
Sysmex XN-L Series (330/350/450/550)	228	0.107	7.6	0.00
Nihon Kohden Celltac Alpha/plus	223	0.096	13.0	0.00
Sysmex XP Series	153	0.109	9.4	0.00
Mindray BC 5000/5150/5140/5130/5120	111	0.115	7.9	0.00
Sysmex XS series	107	0.112	7.6	0.00
Mindray BC 5100/5180/5300/5380/5390	102	0.108	8.8	0.00
Mindray BC 10/20/30	80	0.112	8.8	0.00
Beckman Coulter DxH 600/800/900 Series	80	0.102	5.7	0.00
Siemens/Bayer Advia 120/2120	69	0.105	7.8	0.00
Abbott Cell-Dyn Ruby	65	0.077	19.6	0.00
Nihon Kohden Celltac E/Es	66	0.091	11.1	0.00
Horiba Yumizen H500/ 550	66	0.120	9.2	0.00
ABX Micros/Minos/ABC VET	61	0.104	9.9	0.00
Sysmex XT series	59	0.109	5.9	0.00
Boule Medonic/ Swelab 3-part diff	61	0.099	10.8	0.00
Nihon Kohden Celltac G	53	0.112	10.1	0.00
Erba Lachema Elite series	49	0.120	13.0	0.00
Mindray BC 5600/5800	39	0.103	6.7	0.00



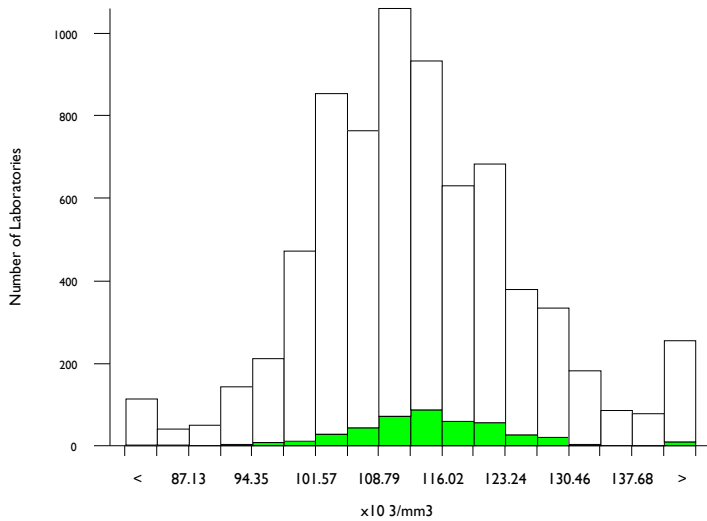


# Platelets (Impedance Count), x10<sup>3</sup>/mm<sup>3</sup>

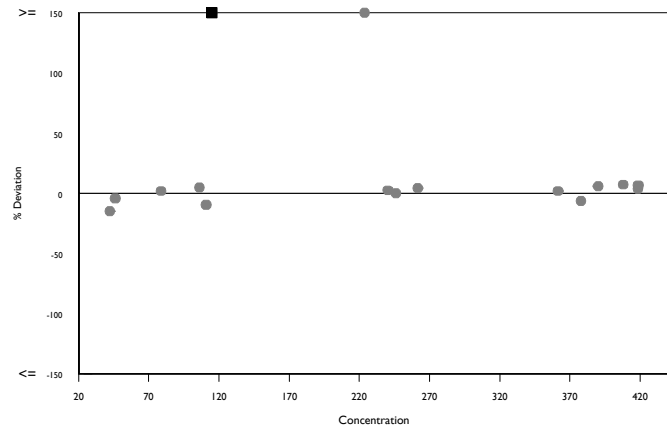
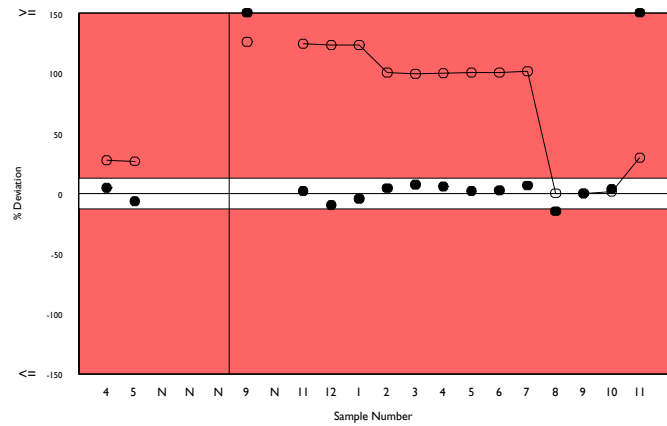
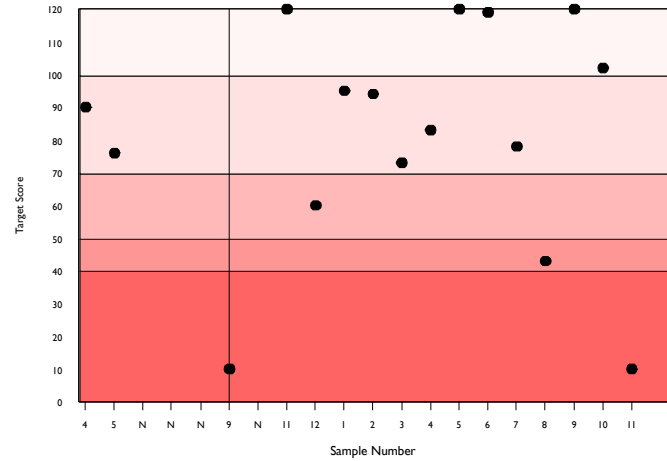
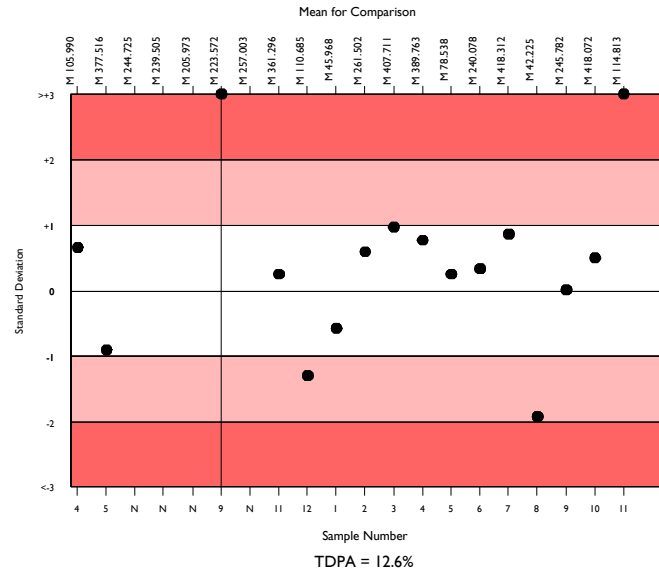
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	6714	112.410	8.6	0.15	8.61	546
Horiba Yumizen H500/ 550	404	114.813	5.9	0.42	8.79	32

▲ Your Result	434.000	SDI	36.29
		RMSDI	3.87
■ Mean for Comparison	114.813	TS	10
		RMTS	84
		%DEV	278.0
		RM%DEV	29.5

Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	12.60%
SDI in bottom 5% of peer group	
TS & %DEV outside limits	



Method	N	Mean	CV%	U <sub>m</sub>
Sysmex XN Series	1764	105.238	5.1	0.16
Sysmex XN-L Series (330/350/450/550)	643	107.378	5.3	0.28
Mindray BC-6000/6200/6600/6800/6800Plus	404	114.813	5.9	0.42
Sysmex XP Series	345	118.243	6.1	0.49
Beckman Coulter DxH 600/800/900 Series	345	117.457	4.5	0.35
Mindray BC 1000/2000/3000 series	292	116.714	8.4	0.71
Nihon Kohden Celltac Alpha/plus	275	115.379	8.5	0.74
Sysmex XS series	189	113.139	6.1	0.62
Mindray BC 5100/5180/5300/5380/5390	173	118.127	6.2	0.70
Mindray BC 5000/5150/5140/5130/5120	136	115.022	6.3	0.78
Mindray BC 10/20/30	128	112.616	6.9	0.85
ABX Micros/Minos/ABC VET	119	121.849	8.8	1.23
Beckman Coulter DxH 500 Series	120	123.285	7.7	1.08
Horiba Yumizen H500/ 550	104	118.045	7.2	1.04
Sysmex XT series	100	111.441	6.1	0.85
Nihon Kohden Celltac E/Es	101	118.705	6.8	1.01
Sysmex KX 21	88	116.940	6.1	0.95
Horiba ABX Pentra 60/80/XLR	88	115.476	8.1	1.24
Boule Medonic/ Swelab 3-part diff	91	113.193	7.6	1.13
Erba Lachema Elite series	74	128.092	12.9	2.40
Abbott Cell-Dyn Emerald 22	67	125.896	6.0	1.16

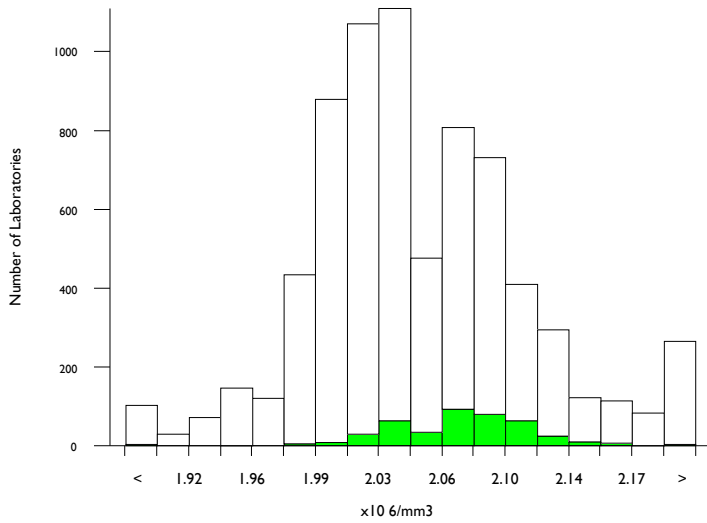


# RBC (Impedance Count), x10<sup>6</sup>/mm<sup>3</sup>

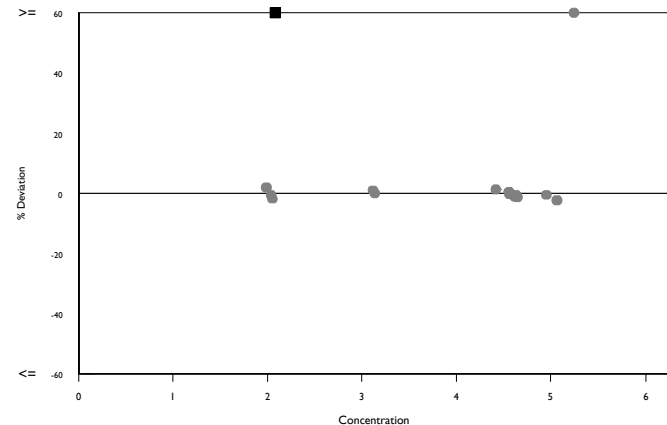
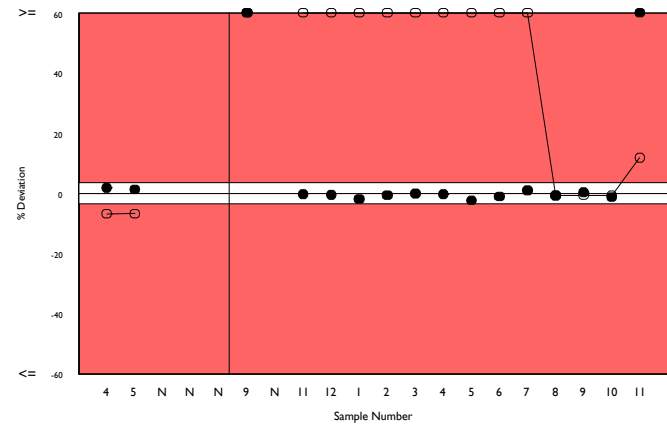
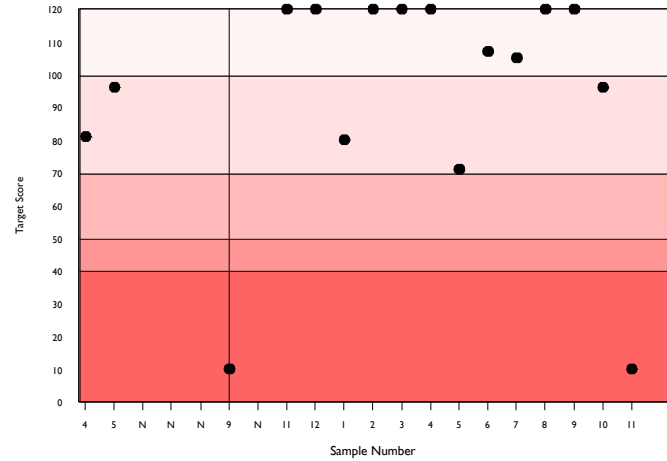
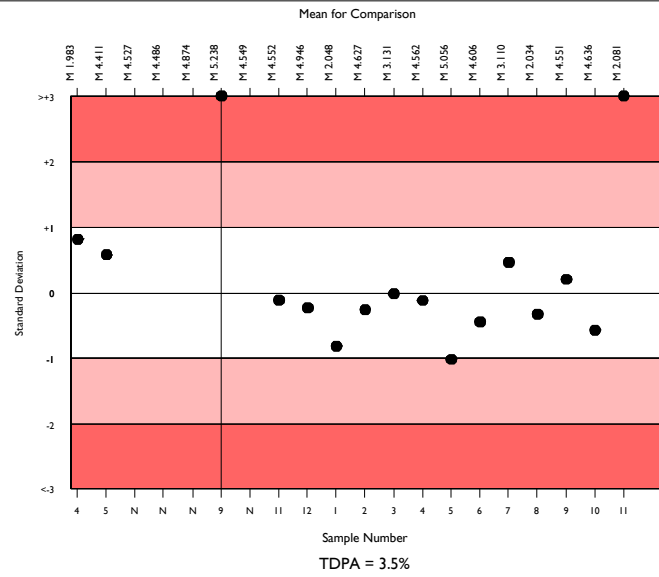
	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	6751	2.051	2.3	0.00	0.04	517
Horiba Yumizen H500/ 550	404	2.081	1.6	0.00	0.04	25

▲ Your Result	4.630	SDI	57.68
		RMSDI	5.56
■ Mean for Comparison	2.081	TS	10
		RMTS	98
		%DEV	122.5
		RM%DEV	11.8

Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	3.50%
SDI in bottom 5% of peer group	
TS & %DEV outside limits	



Method	N	Mean	CV%	U <sub>m</sub>
Sysmex XN Series	1748	2.039	1.4	0.00
Sysmex XN-L Series (330/350/450/550)	675	2.011	1.4	0.00
Mindray BC-6000/6200/6600/6800/6800Plus	404	2.081	1.6	0.00
Sysmex XP Series	340	2.091	1.5	0.00
Beckman Coulter DxH 600/800/900 Series	342	2.018	1.1	0.00
Mindray BC 1000/2000/3000 series	297	2.101	2.9	0.00
Nihon Kohden Celltac Alpha/plus	278	2.110	2.4	0.00
Sysmex XS series	185	2.033	1.7	0.00
Mindray BC 5100/5180/5300/5380/5390	173	2.065	2.1	0.00
Mindray BC 5000/5150/5140/5130/5120	141	2.034	2.4	0.01
Mindray BC 10/20/30	132	2.037	2.4	0.01
ABX Micros/Minos/ABC VET	124	2.040	2.5	0.01
Beckman Coulter DxH 500 Series	124	2.053	2.7	0.01
Horiba Yumizen H500/ 550	105	2.035	2.0	0.00
Nihon Kohden Celltac E/Es	100	2.113	2.1	0.01
Sysmex XT series	92	2.072	1.4	0.00
Sysmex KX 21	91	2.086	2.0	0.01
Horiba ABX Pentra 60/80/XLR	85	2.022	2.1	0.01
Boule Medonic/ Swelab 3-part diff	85	2.026	2.2	0.01
Erba Lachema Elite series	72	2.090	2.1	0.01
Abbott Cell-Dyn Emerald 22	69	2.032	1.9	0.01

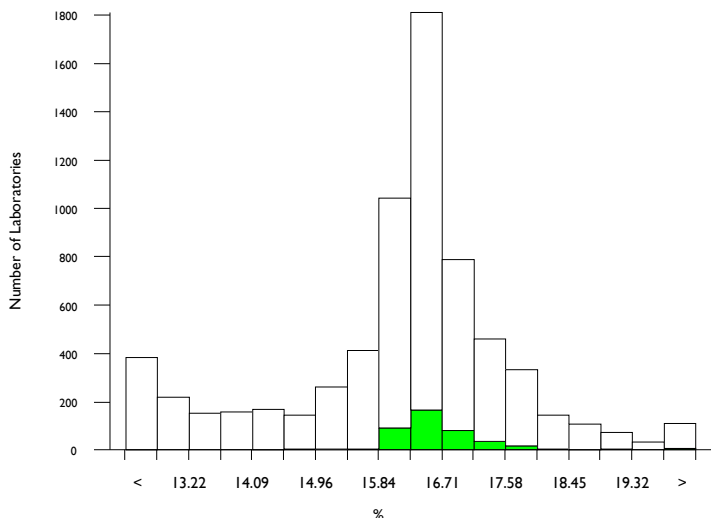
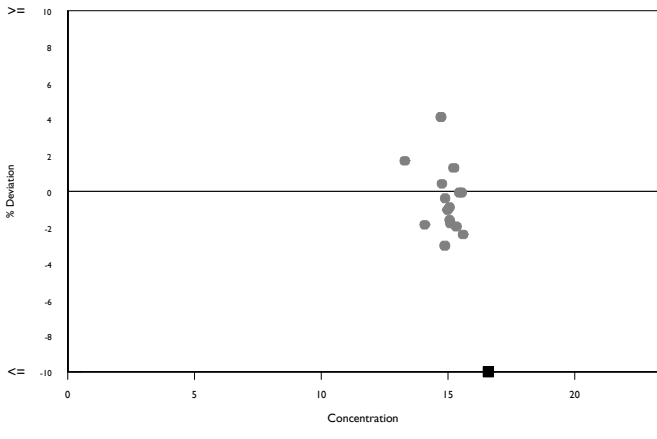
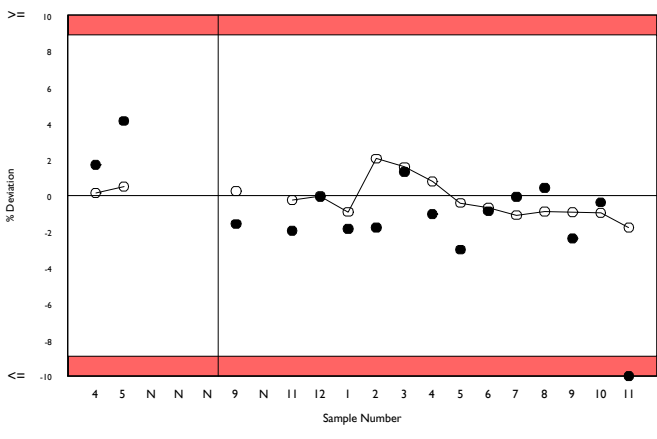
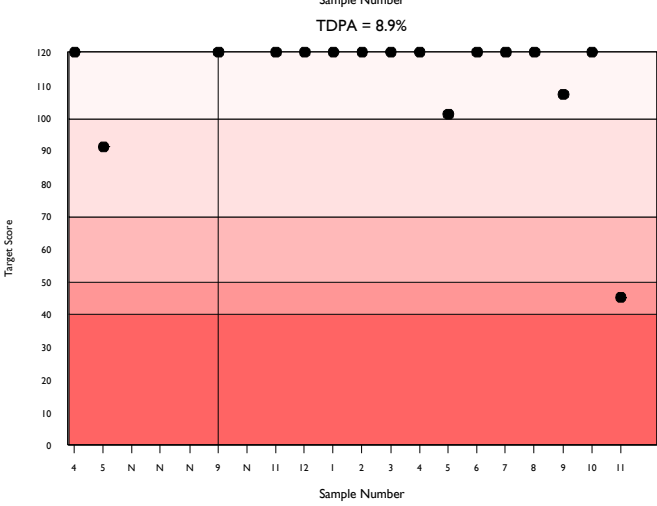
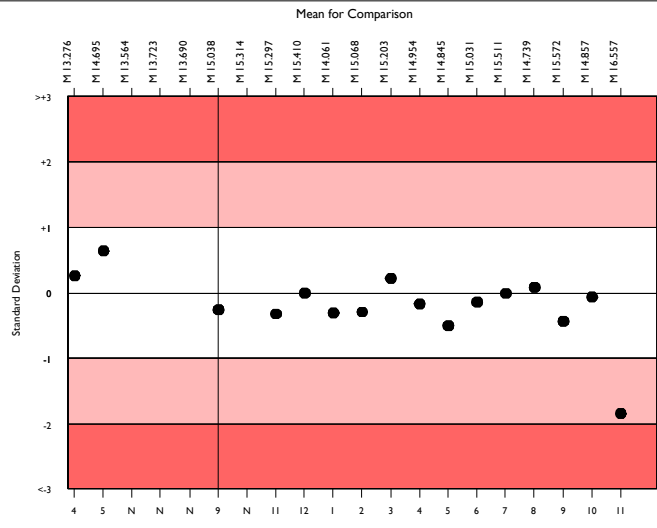


# Red Cell Dist. Width CV, %

	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	6169	16.277	7.1	0.02	0.88	618
Horiba Yumizen H500/ 550	377	16.557	2.4	0.03	0.90	35

▲ Your Result	14.900	SDI	-1.85
		RMSDI	-0.32
■ Mean for Comparison	16.557	TS	45
		RMTS	109
		%DEV	-10.0
		RM%DEV	-1.8

Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	8.90%
TS & %DEV outside limits	



Method	N	Mean	CV%	U <sub>m</sub>
Sysmex XN Series	1632	16.478	2.3	0.01
Sysmex XN-L Series (330/350/450/550)	577	16.571	3.1	0.03
Mindray BC-6000/6200/6600/6800/6800Plus	377	16.557	2.4	0.03
Beckman Coulter DxH 600/800/900 Series	285	16.714	1.5	0.02
Sysmex XP Series	276	12.788	5.9	0.06
Abbott Cell-Dyn Ruby	274	12.959	6.2	0.06
Nihon Kohden Celltac Alpha/plus	244	16.078	5.2	0.07
Mindray BC 1000/2000/3000 series	231	15.947	5.0	0.07
Sysmex XS series	189	16.714	2.5	0.04
Siemens/Bayer Advia 120/2120	196	17.541	2.2	0.03
Mindray BC 5100/5180/5300/5380/5390	139	16.142	5.0	0.09
Mindray BC 5000/5150/5140/5130/5120	122	18.689	2.7	0.06
Mindray BC 10/20/30	105	15.982	2.7	0.05
Beckman Coulter DxH 500 Series	108	13.780	3.5	0.06
Horiba Yumizen H500/ 550	99	15.575	7.8	0.15
Sysmex XT series	93	16.686	2.7	0.06
Nihon Kohden Celltac E/Es	76	16.666	5.3	0.13
Horiba ABX Pentra 60/80/XLR	72	15.226	5.3	0.12
Boule Medonic/ Swelab 3-part diff	63	13.671	6.4	0.14
ABX Micros/Minos/ABC VET	58	14.517	5.7	0.13
Sysmex KX 21	57	13.049	5.7	0.12



# Red Cell Dist. Width SD, fL

	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	3771	55.300	9.4	0.11	3.40	328
Horiba Yumizen H500/ 550	279	59.909	4.4	0.20	3.68	24

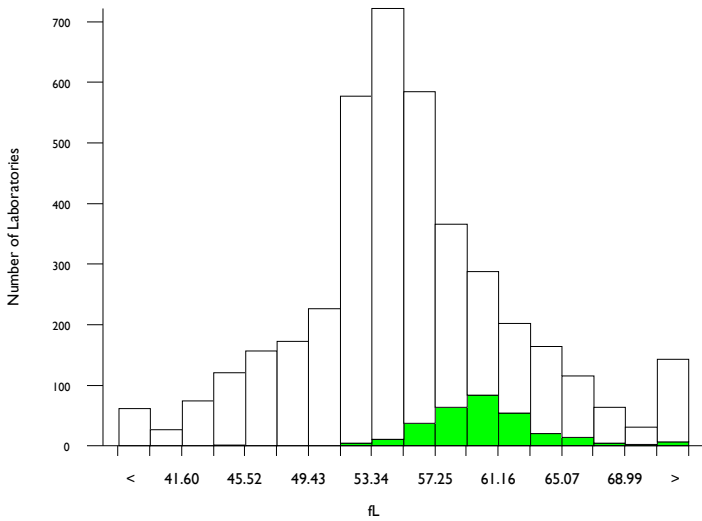
▲ Your Result	43.700	SDI	-4.41
		RMSDI	-0.76
■ Mean for Comparison	59.909	TS	10
		RMTS	100
		%DEV	-27.1
		RM%DEV	-4.7

Acceptable limits derived from Biological Variation: N/A

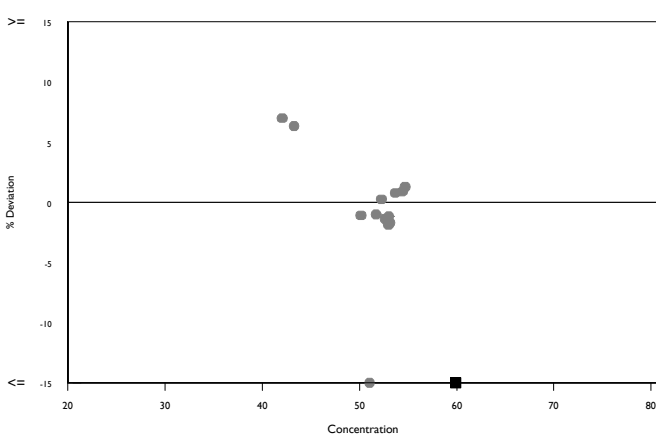
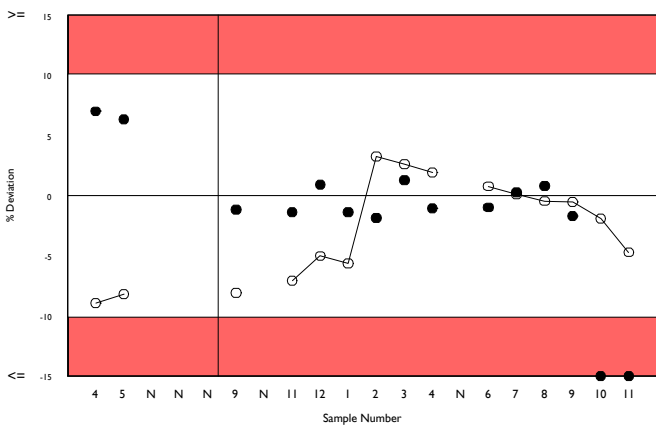
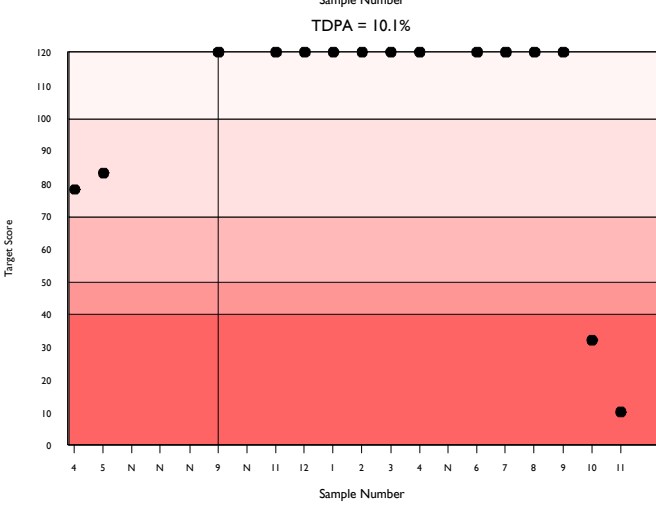
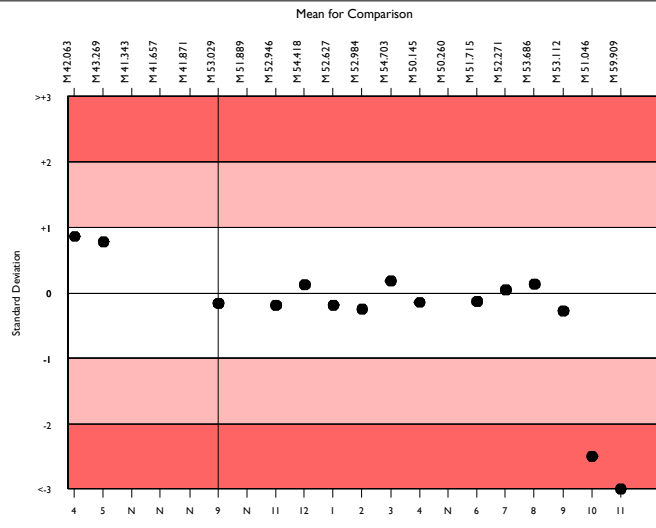
Acceptable limits of performance for RIQAS: 10.10%

SDI in bottom 5% of peer group

TS & %DEV outside limits



Method	N	Mean	CV%	U <sub>m</sub>
Sysmex XN Series	1137	54.577	4.1	0.08
Sysmex XN-L Series (330/350/450/550)	289	55.891	5.3	0.22
Mindray BC-6000/6200/6600/6800/6800Plus	279	59.909	4.4	0.20
Sysmex XP Series	230	45.673	6.0	0.23
Mindray BC 1000/2000/3000 series	210	49.713	8.3	0.36
Beckman Coulter DxH 600/800/900 Series	179	56.630	2.3	0.12
Sysmex XS series	118	55.193	3.9	0.25
Nihon Kohden Celltac Alpha/plus	118	59.411	6.5	0.44
Mindray BC 5000/5150/5140/5130/5120	94	65.370	3.9	0.33
Mindray BC 5100/5180/5300/5380/5390	83	63.047	9.1	0.79
Mindray BC 10/20/30	81	52.705	4.5	0.33
Horiba Yumizen H500/ 550	66	53.400	7.5	0.62
Sysmex XT series	61	55.112	4.6	0.40
Beckman Coulter DxH 500 Series	56	52.197	3.8	0.33
Nihon Kohden Celltac E/Es	51	64.008	6.9	0.77
Sysmex KX 21	48	45.917	6.0	0.50
Erba Lachema Elite series	45	59.201	10.3	1.13
Boule Medonic/ Swelab 3-part diff	47	59.394	16.5	1.78
Mindray BC 5600/5800	35	58.186	6.9	0.85
Nihon Kohden Celltac G	37	68.804	8.5	1.20
Mindray BC-700 series	26	63.231	4.7	0.73

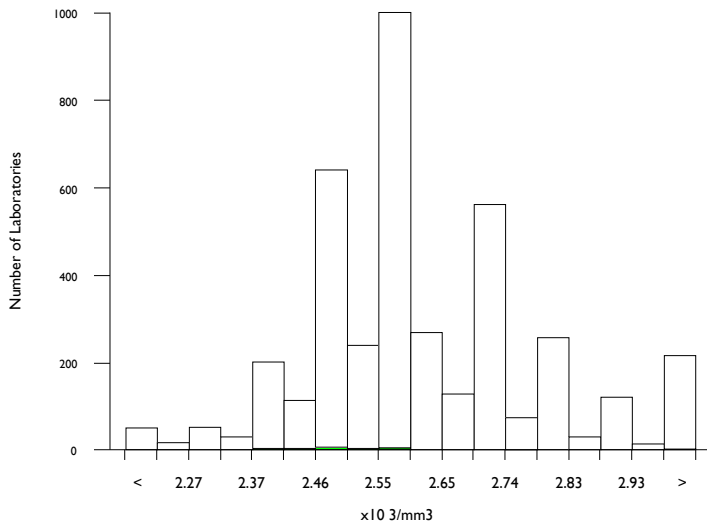
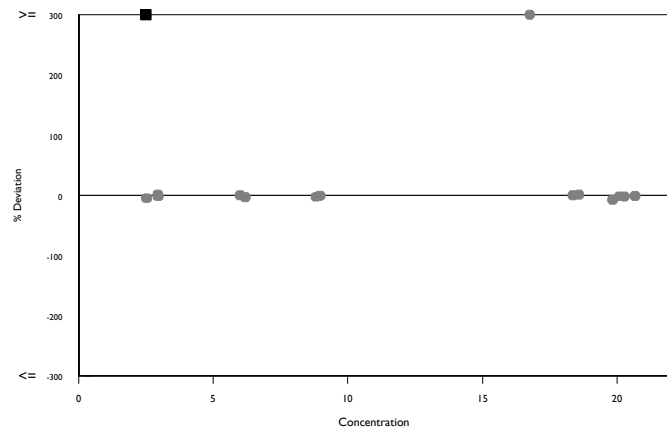
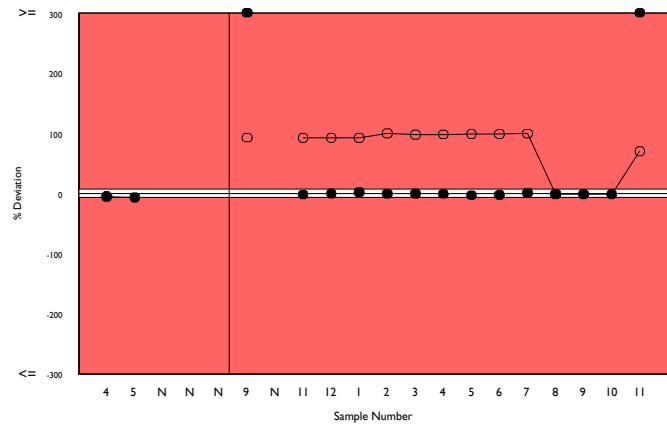
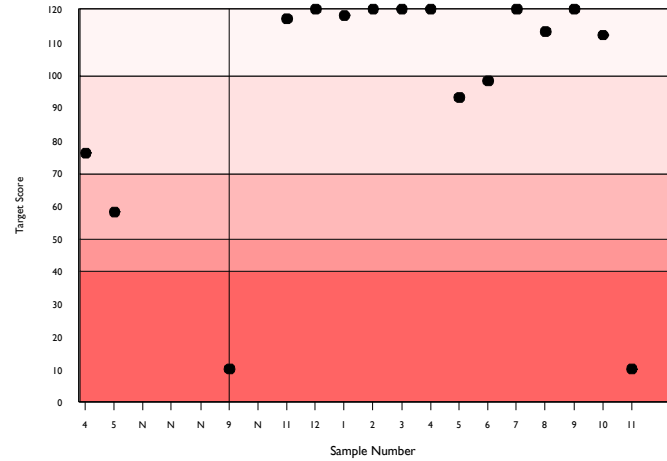
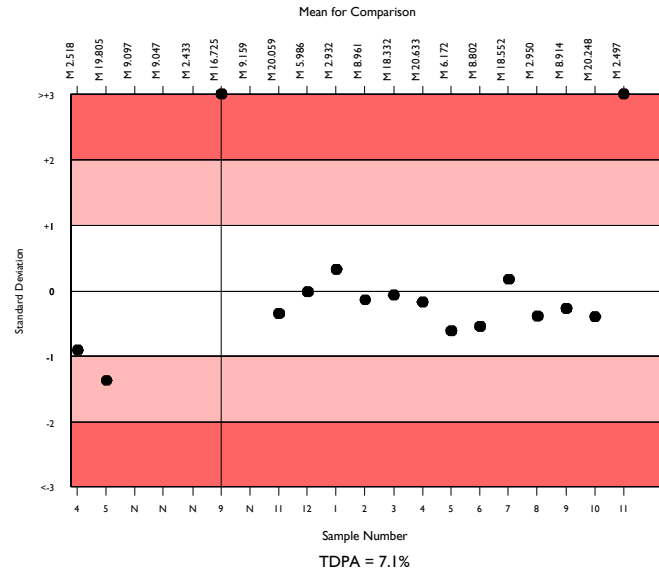


# WBC (Impedance Count), x10<sup>3</sup>/mm<sup>3</sup>

	N	Mean	CV%	U <sub>m</sub>	SDPA	Exc.
All Methods	3709	2.605	4.8	0.00	0.11	304
Horiba Yumizen H500/ 550	22	2.497	2.5	0.02	0.11	3

▲ Your Result	20.290	SDI	165.21
		RMSDI	16.28
■ Mean for Comparison	2.497	TS	10
		RMTS	102
		%DEV	712.5
		RM%DEV	70.1

Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	7.10%
SDI in bottom 5% of peer group	
TS & %DEV outside limits	



Method	N	Mean	CV%	U <sub>m</sub>
Sysmex XN-L Series (330/350/450/550)	365	2.552	2.7	0.00
Sysmex XP Series	348	2.529	3.5	0.01
Beckman Coulter DxH 600/800/900 Series	326	2.609	2.6	0.00
Mindray BC 1000/2000/3000 series	301	2.667	5.5	0.01
Nihon Kohden Celltac Alpha/plus	285	2.612	3.6	0.01
Mindray BC 5100/5180/5300/5380/5390	203	2.629	4.3	0.01
Mindray BC 10/20/30	128	2.787	5.1	0.02
ABX Micros/Minos/ABC VET	123	2.646	6.1	0.02
Beckman Coulter DxH 500 Series	112	2.593	3.2	0.01
Horiba Yumizen H500/ 550	100	2.560	4.3	0.01
Nihon Kohden Celltac E/Es	101	2.623	3.2	0.01
Sysmex KX 21	89	2.521	4.4	0.01
Boule Medonic/ Swelab 3-part diff	83	2.561	3.6	0.01
Horiba ABX Pentra 60/80/XLR	84	2.596	4.0	0.01
Erba Lachema Elite series	73	2.599	4.5	0.02
Abbott Cell-Dyn Emerald 22	69	2.687	3.9	0.02
Nihon Kohden Celltac G	65	2.611	3.2	0.01
Human Humacount Series	39	2.559	6.1	0.03
Abbott Cell-Dyn Emerald 18	38	2.756	7.5	0.04
Orphee Mythic 18	32	2.783	5.1	0.03
Orphee Mythic 22	28	2.633	4.5	0.03

Analyte	Mean for Comparison	Your Result	SDI	RMSDI	%DEV	RM%DEV	TS	RMTS	Performance
Haemoglobin	5.987	14.000	<b>59.53</b>	5.54	<b>133.8</b>	12.3	<b>10</b>	90	▲
Haematocrit (HCT)	21.009	45.200	<b>27.52</b>	2.78	<b>115.1</b>	11.7	<b>10</b>	106	▲
MCH	28.843	30.200	1.15	-0.02	4.7	-0.1	74	113	
MCHC	28.551	31.000	<b>2.05</b>	-0.01	<b>8.6</b>	-0.1	<b>48</b>	109	▲
MCV	100.988	97.700	-0.78	0.05	-3.3	0.2	90	115	
Mean Platelet Volume	10.379	9.300	-1.86	-0.21	<b>-10.4</b>	-1.0	<b>45</b>	97	
Plateletcrit	0.119	0.405	<b>21.50</b>	2.28	<b>240.3</b>	25.8	<b>10</b>	85	▲
Platelets (Impedance Count)	114.813	434.000	<b>36.29</b>	3.87	<b>278.0</b>	29.5	<b>10</b>	84	▲
RBC (Impedance Count)	2.081	4.630	<b>57.68</b>	5.56	<b>122.5</b>	11.8	<b>10</b>	98	▲
Red Cell Dist. Width CV	16.557	14.900	-1.85	-0.32	<b>-10.0</b>	-1.8	<b>45</b>	109	
Red Cell Dist. Width SD	59.909	43.700	<b>-4.41</b>	-0.76	<b>-27.1</b>	-4.7	<b>10</b>	100	▲
WBC (Impedance Count)	2.497	20.290	<b>165.21</b>	16.28	<b>712.5</b>	70.1	<b>10</b>	102	▲

ORMSDI 2.92

ORM%DEV 12.8

ORMTS 101

END OF REPORT