

Proteus Laboratories

Comment

① All results were acceptable. No CA required.

MONTHLY HAEMATOLOGY

CYCLE 13 SAMPLE 9

① 17/09/2020

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: 16/09/2020

Expla

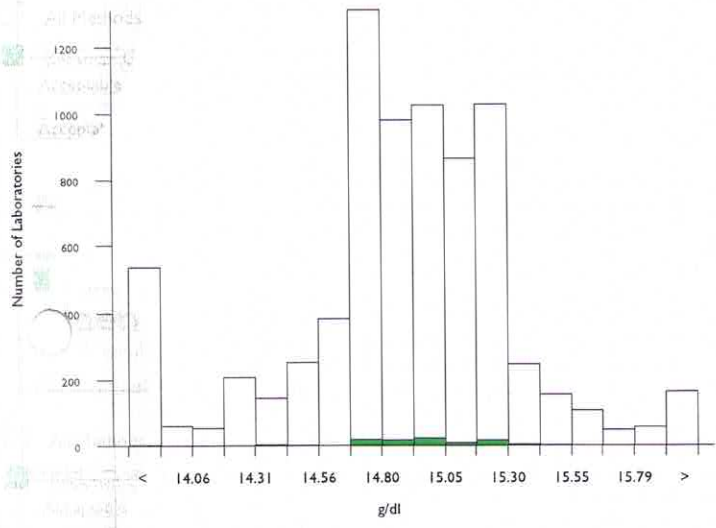
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 55 Diamond Road
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 Email: mail@riqas.com

Haemoglobin, g/dl

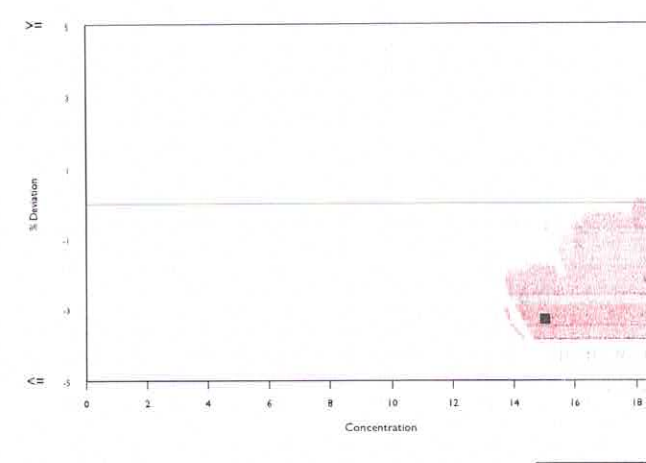
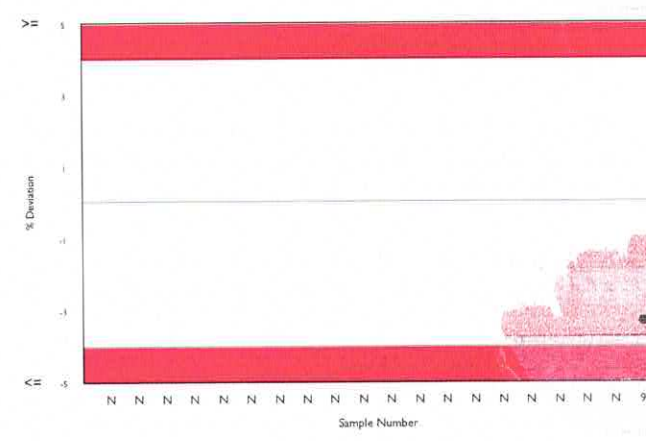
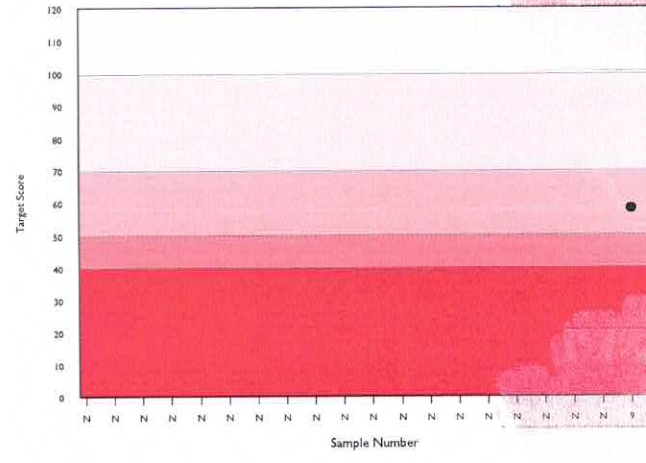
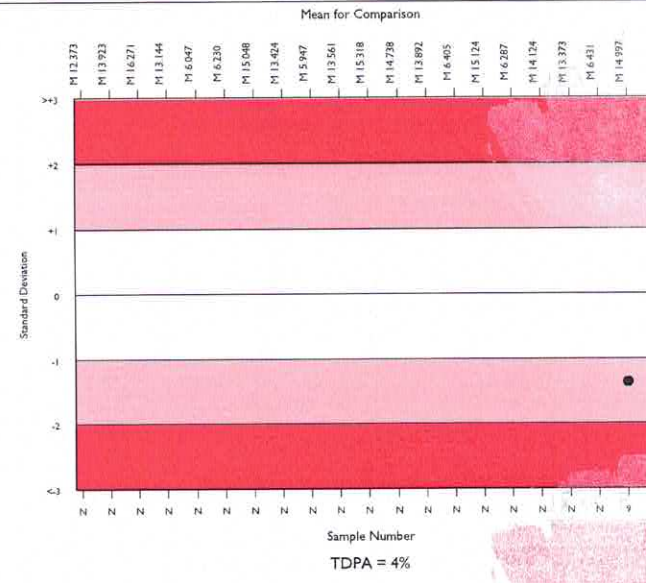
	N	Mean	CV%	U _m	SDPA	Exc.
All Methods	6946	14.932	2.2	0.00	0.36	666
Beckman Coulter Ac. T 5 series	85	14.997	1.3	0.03	0.36	8

▲ Your Result	14.500	SDI	-1.36
		RMSDI	Too Few
■ Mean for Comparison	14.997	TS	58
		RMTS	Too Few
		%DEV	-3.3
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation: N/A
 Acceptable limits of performance for RIQAS: 4.00%



Method	N	Mean	CV%	U _m
Sysmex XN Series	1250	15.003	1.0	0.01
Abbott Cell-Dyn Ruby	433	15.129	1.7	0.02
Sysmex XN-L Series (330/350/450/550)	334	14.892	1.0	0.01
Sysmex XS series	333	14.969	1.2	0.01
Beckman Coulter DxH 600/800/900 Series	319	14.647	1.1	0.01
Mindray BC 1000/2000/3000 series	302	14.986	2.8	0.03
Siemens/Bayer Advia 120/2120	297	15.043	1.4	0.02
Sysmex XT series	279	14.870	1.1	0.01
Sysmex XP Series	286	14.737	2.1	0.02
Nihon Kohden Celltac Alpha	261	15.114	2.1	0.03
Manual Methods	192	14.075	3.9	0.05
Mindray BC-6000/6200/6600/6800/6800Plus	190	14.998	1.2	0.02
ABX Micros/Minos/ABC VET	176	14.731	3.2	0.04
Sysmex KX 21	168	14.768	2.1	0.03
Horiba ABX Pentra 60/80/XLR	168	14.999	1.5	0.02
Calculated from HCT	145	13.899	3.2	0.05
Mindray BC 5100/5180/5300/5380/5390	144	14.961	2.0	0.03
Nihon Kohden Celltac E/Es	91	15.073	1.6	0.03
Beckman Coulter LH700 Series	87	14.896	1.1	0.02
Beckman Coulter Ac. T 5 series	85	14.997	1.3	0.03
Medonic M series/Swlab	83	15.278	2.2	0.05



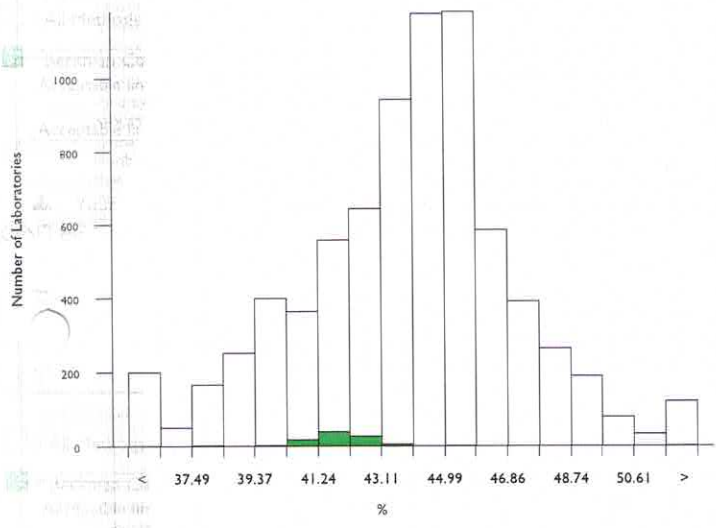
Haematocrit (HCT), %

	N	Mean	CV%	U _m	SDPA	Exc.
All Methods	7023	44.057	5.7	0.04	1.62	564
Beckman Coulter Ac. T 5 series	83	41.861	1.6	0.09	1.54	10

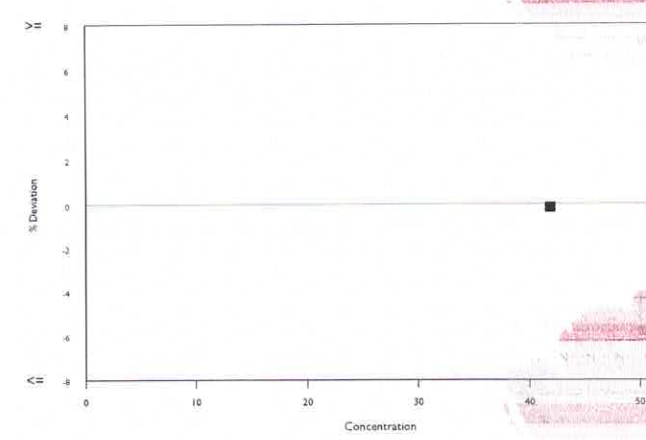
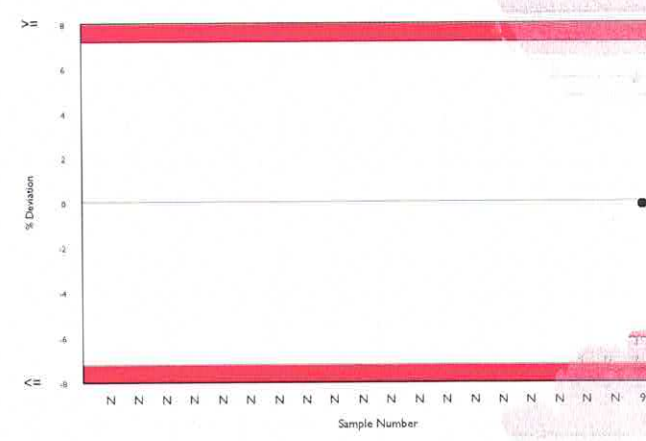
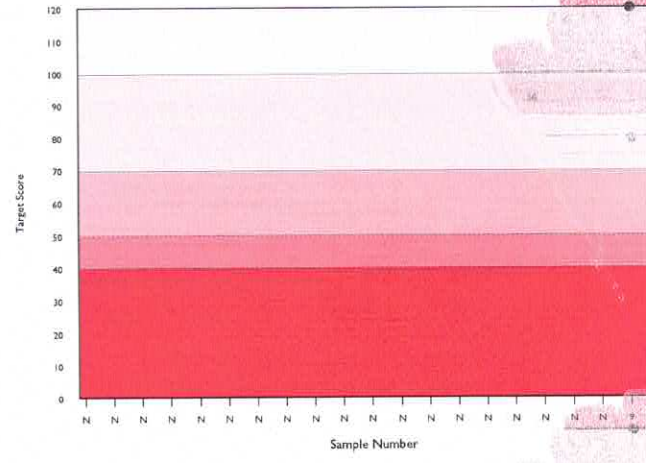
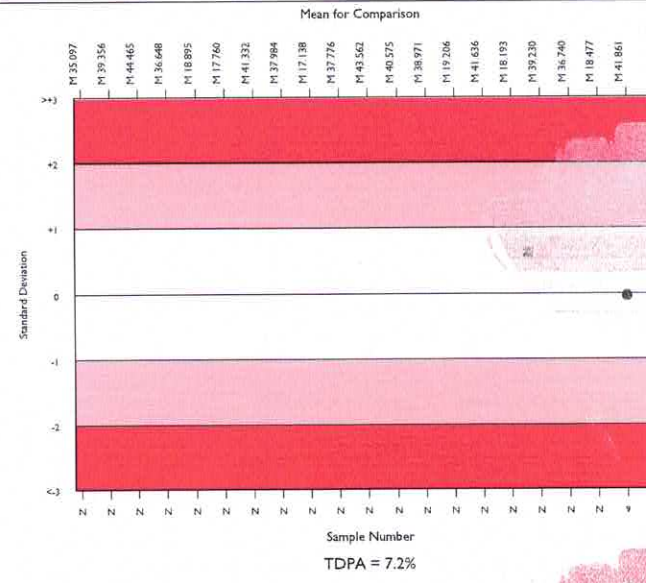
▲ Your Result	41.800	SDI	-0.04
		RMSDI	Too Few
■ Mean for Comparison	41.861	TS	120
		RMTS	Too Few
		%DEV	-0.1
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation: N/A

Acceptable limits of performance for RIQAS: 7.20%



Method	N	Mean	CV%	U _m
Sysmex XN Series	1249	44.758	2.4	0.04
Abbott Cell-Dyn Ruby	411	38.967	2.6	0.06
Sysmex XN-L Series (330/350/450/550)	332	44.232	2.1	0.06
Sysmex XS series	326	44.419	2.1	0.06
Beckman Coulter DxH 600/800/900 Series	307	45.111	1.5	0.05
Mindray BC 1000/2000/3000 series	300	46.001	3.8	0.12
Siemens/Bayer Advia 120/2120	297	39.769	2.5	0.07
Sysmex XT series	287	44.497	2.5	0.08
Sysmex XP Series	271	41.537	2.9	0.09
Nihon Kohden Celltac Alpha	266	45.377	3.5	0.12
Manual Methods	192	42.332	2.6	0.10
Mindray BC-6000/6200/6600/6800/6800Plus	181	48.832	2.2	0.10
ABX-Micros/Minos/ABC VET	170	43.701	3.8	0.16
Sysmex KX 21	170	42.128	3.2	0.13
Horiba ABX Pentra 60/80/XLR	165	42.037	2.7	0.11
Microhematocrit Centrifugation	161	42.286	3.2	0.13
Mindray BC 5100/5180/5300/5380/5390	137	47.334	3.3	0.17
Nihon Kohden Celltac E/Es	93	45.994	2.9	0.17
Medonic M series/Swelab	82	44.405	4.0	0.24
Beckman Coulter Ac. T 5 series	83	41.861	1.6	0.09
Beckman Coulter LH700 Series	81	45.100	1.5	0.10

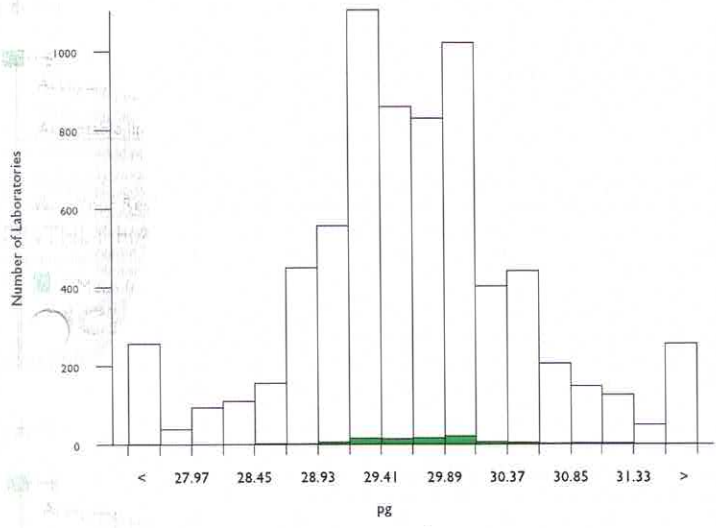


MCH, pg

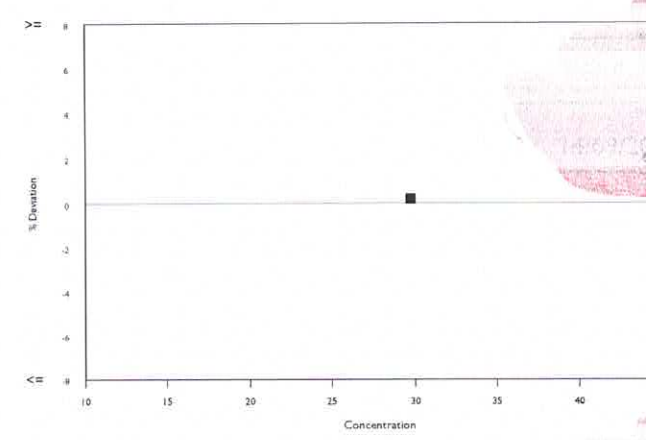
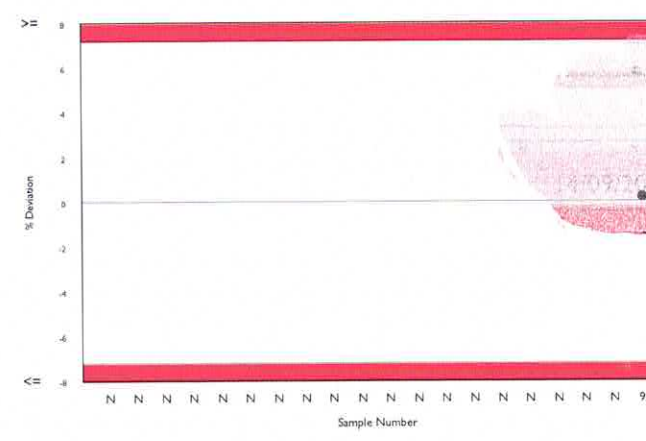
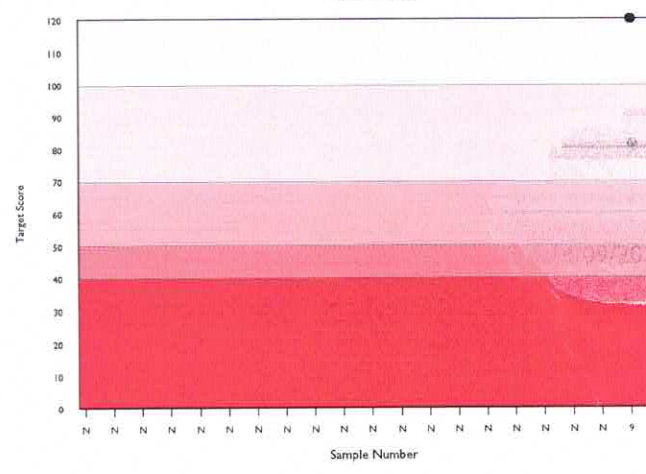
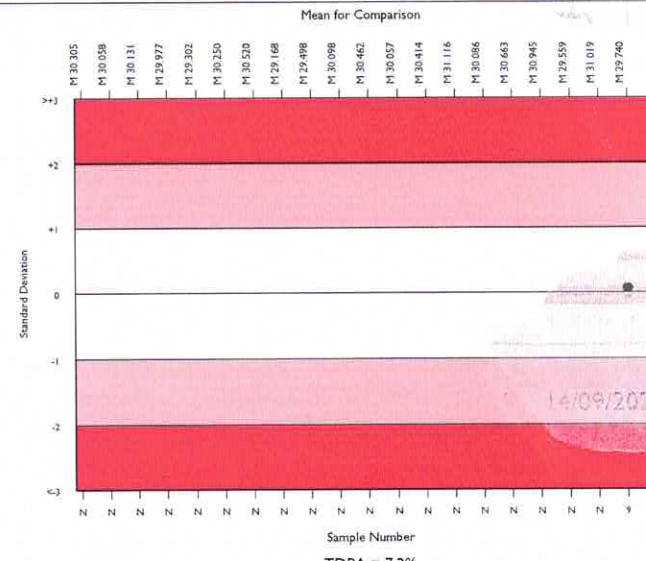
	N	Mean	CV%	U _m	SDPA	Exc.
All Methods	6488	29.653	2.2	0.01	1.07	600
Beckman Coulter Ac. T 5 series	82	29.740	1.3	0.05	1.07	11

▲ Your Result	29.800	SDI	0.06
		RMSDI	Too Few
■ Mean for Comparison	29.740	TS	120
		RMTS	Too Few
		%DEV	0.2
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	7.20%



Method	N	Mean	CV%	U _m
Sysmex XN Series	1258	29.534	1.3	0.01
Abbott Cell-Dyn Ruby	411	29.778	2.4	0.04
Sysmex XN-L Series (330/350/450/550)	340	29.515	1.1	0.02
Sysmex XS series	330	29.663	1.4	0.03
Beckman Coulter DxH 600/800/900 Series	305	29.462	1.3	0.03
Mindray BC 1000/2000/3000 series	297	29.456	3.3	0.07
Siemens/Bayer Advia 120/2120	291	30.257	1.9	0.04
Sysmex XT series	286	29.319	1.5	0.03
Sysmex XP Series	272	29.526	2.1	0.05
Nihon Kohden Celltac Alpha	265	29.865	2.8	0.06
Mindray BC 5100/5180/5300/5380/5390	187	29.804	1.7	0.05
ABX Micros/Minos/ABC VET	161	29.462	3.0	0.09
Horiba ABX Pentra 60/80/XLR	163	29.947	1.7	0.05
Sysmex KX 21	156	29.447	2.0	0.06
Mindray BC 5100/5180/5300/5380/5390	137	29.971	1.9	0.06
Nihon Kohden Celltac E/Es	88	29.818	2.2	0.09
Beckman Coulter Ac. T 5 series	82	29.740	1.3	0.05
Beckman Coulter LH700 Series	87	29.493	1.5	0.06
Medonic M series/Swelab	82	30.394	2.3	0.10
Mindray BC 5000/5150/5130/5140	76	30.040	2.0	0.09
ABX Pentra 120/Nexus Series	64	29.297	1.8	0.08

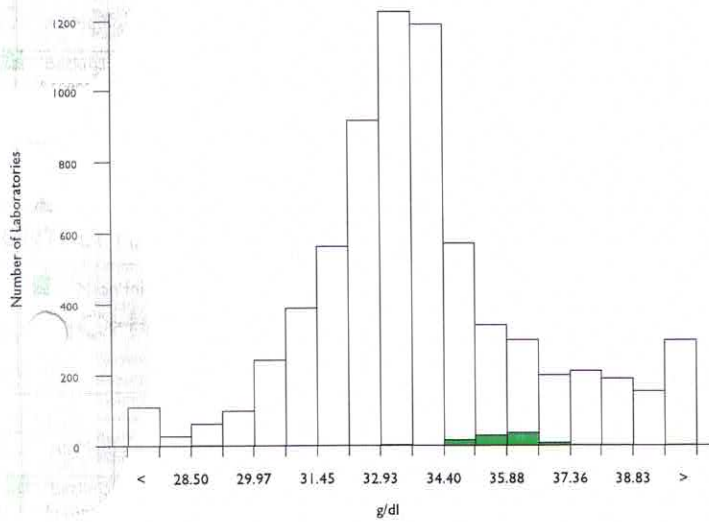


MCHC, g/dl

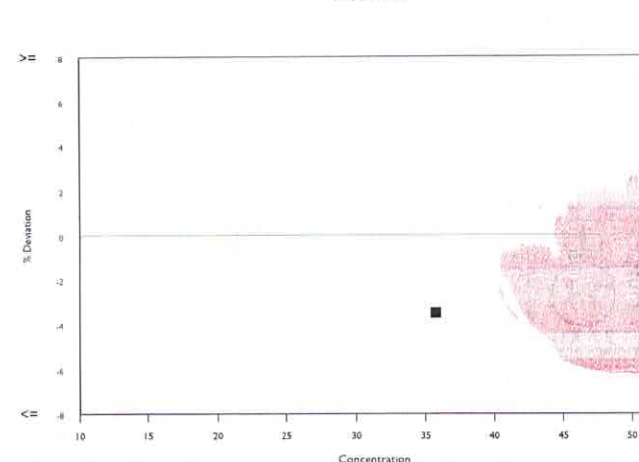
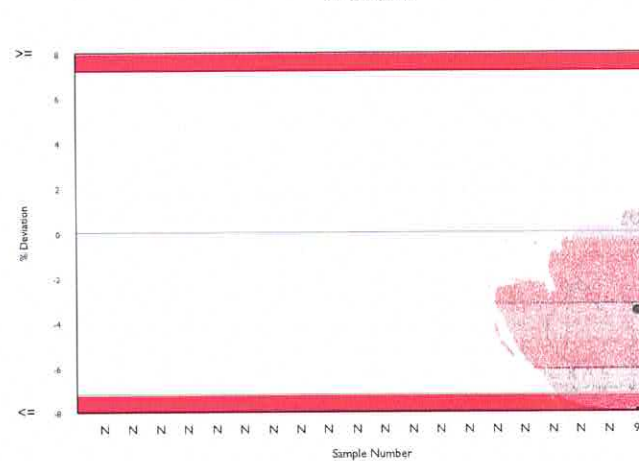
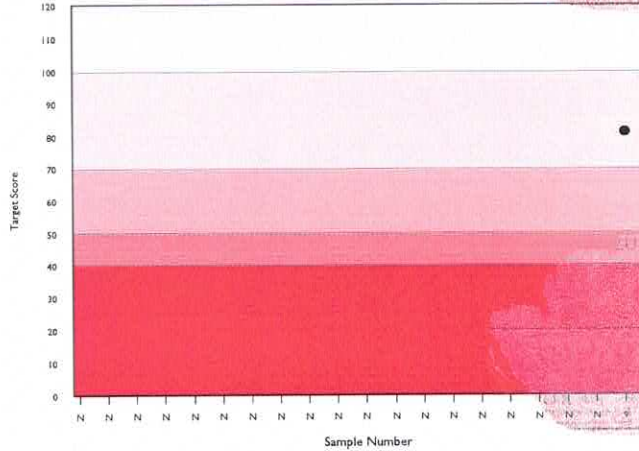
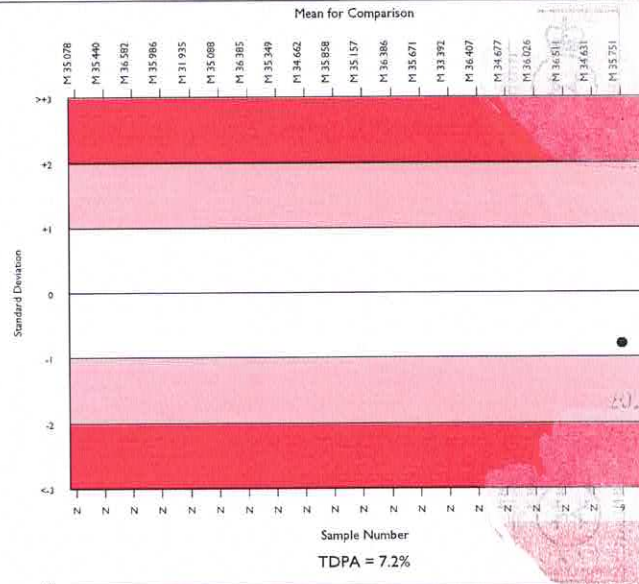
	N	Mean	CV%	U _m	SDPA	Exc.
All Methods	6466	33.671	5.8	0.03	1.47	613
Beckman Coulter Ac. T 5 series	83	35.751	1.5	0.07	1.56	10

▲ Your Result	34.500	SDI	-0.80
		RMSDI	Too Few
■ Mean for Comparison	35.751	TS	81
		RMTS	Too Few
		%DEV	-3.5
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation: N/A
 Acceptable limits of performance for RIQAS: 7.20%



Method	N	Mean	CV%	U _m
Sysmex XN Series	1252	33.498	2.4	0.03
Abbott Cell-Dyn Ruby	408	38.793	2.8	0.07
Sysmex XN-L Series (330/350/450/550)	328	33.652	1.9	0.04
Sysmex XS series	323	33.688	2.1	0.05
Beckman Coulter DxH 600/800/900 Series	306	32.461	1.7	0.04
Mindray BC 1000/2000/3000 series	285	32.516	3.9	0.09
Siemens/Bayer Advia 120/2120	295	37.851	2.4	0.07
Sysmex XT series	285	33.363	2.6	0.06
Sysmex XP Series	273	35.326	3.4	0.09
Nihon Kohden Celltac Alpha	263	33.290	3.9	0.10
Mindray BC-6000/6200/6600/6800/6800Plus	178	30.696	2.1	0.06
ABX Micros/Minos/ABC VET	164	33.757	4.2	0.14
Horiba ABX Pentra 60/80/XLR	161	35.716	2.8	0.10
Sysmex KX 21	155	34.854	3.1	0.11
Mindray BC 5100/5180/5300/5380/5390	143	31.565	3.7	0.12
Nihon Kohden Celltac E/Es	90	32.888	3.0	0.13
Beckman Coulter Ac. T 5 series	83	35.751	1.5	0.07
Medonic M series/Swelab	82	34.582	3.4	0.16
Beckman Coulter LH700 Series	82	33.013	1.9	0.09
Mindray BC 5000/5150/5130/5140	75	31.661	3.1	0.14
ABX Pentra 120/Nexus Series	62	35.426	2.0	0.12

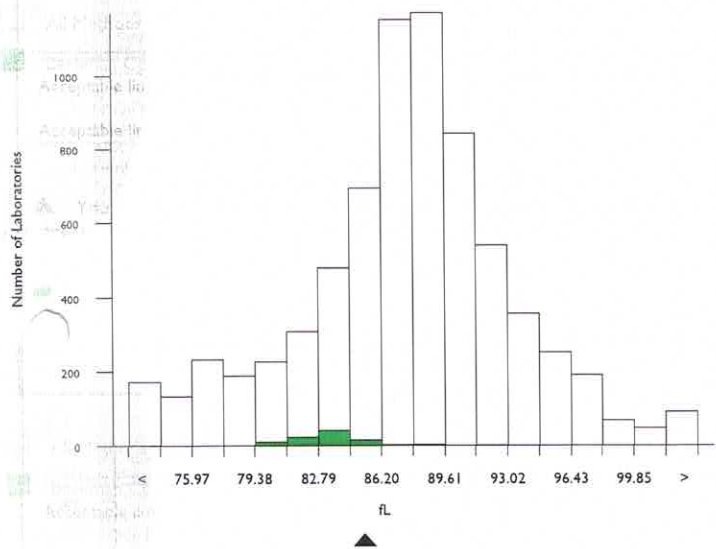


MCV, fL

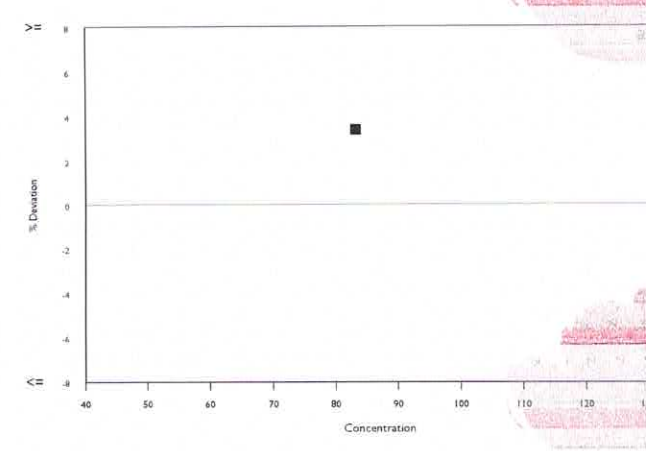
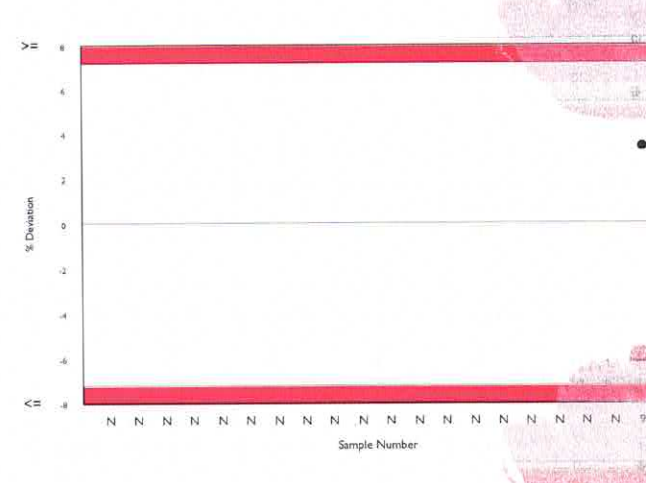
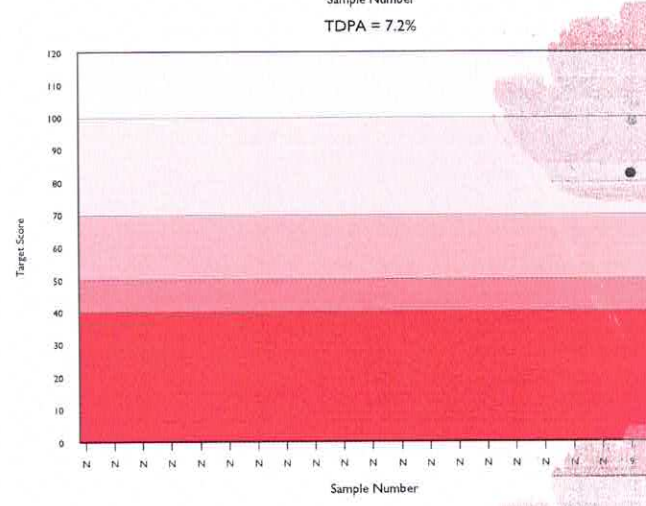
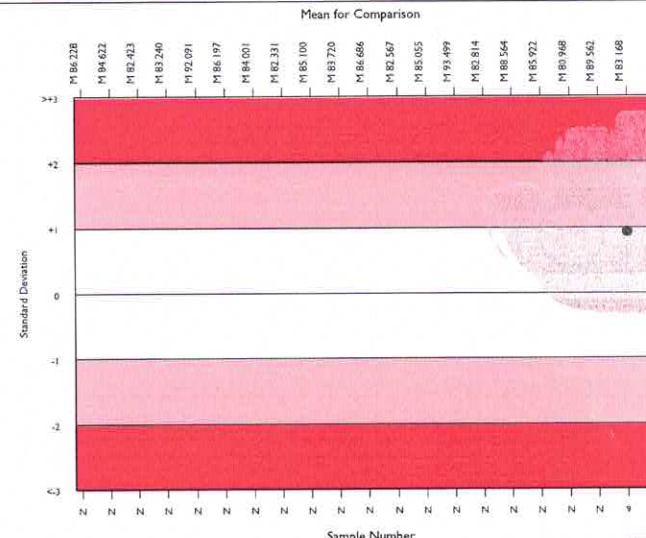
	N	Mean	CV%	U _m	SDPA	Exc.
All Methods	6560	87.914	5.2	0.07	3.23	570
Beckman Coulter Ac. T 5 series	83	83.168	1.6	0.19	3.06	10

▲ Your Result	86.000	SDI	0.93
		RMSDI	Too Few
■ Mean for Comparison	83.168	TS	82
		RMTS	Too Few
		%DEV	3.4
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	7.20%



Method	N	Mean	CV%	U _m
Sysmex XN Series	1220	87.995	2.0	0.06
Abbott Cell-Dyn Ruby	410	76.651	2.1	0.10
Sysmex XN-L Series (330/350/450/550)	337	87.602	1.8	0.11
Sysmex XS series	322	87.855	1.8	0.11
Beckman Coulter DxH 600/800/900 Series	306	90.697	1.2	0.08
Mindray BC 1000/2000/3000 series	303	90.629	2.8	0.19
Siemens/Bayer Advia 120/2120	293	80.180	2.2	0.13
Sysmex XT series	290	87.673	2.3	0.15
Sysmex XP Series	274	83.611	2.5	0.16
Nihon Kohden Celltac Alpha	264	89.926	2.9	0.20
Mindray BC-6000/6200/6600/6800/6800Plus	180	96.995	1.7	0.15
ABX Micros/Minos/ABC VET	167	87.555	3.4	0.29
Horiba ABX Pentra 60/80/XLR	161	84.002	2.4	0.20
Sysmex KX 21	159	84.406	2.9	0.24
Mindray BC 5100/5180/5300/5380/5390	138	95.083	2.7	0.27
Nihon Kohden Celltac E/Es	90	90.778	2.7	0.32
Beckman Coulter Ac. T 5 series	83	83.168	1.6	0.19
Beckman Coulter LH700 Series	82	89.067	1.5	0.18
Medonic M series/Swelab	82	87.434	3.0	0.37
Mindray BC 5000/5150/5130/5140	76	94.167	1.7	0.23
ABX Pentra 120/Nexus Series	63	82.940	1.6	0.21

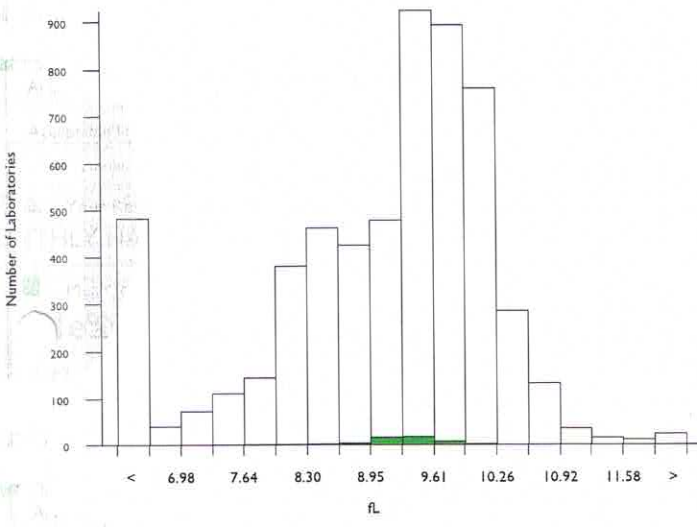


Mean Platelet Volume, fL

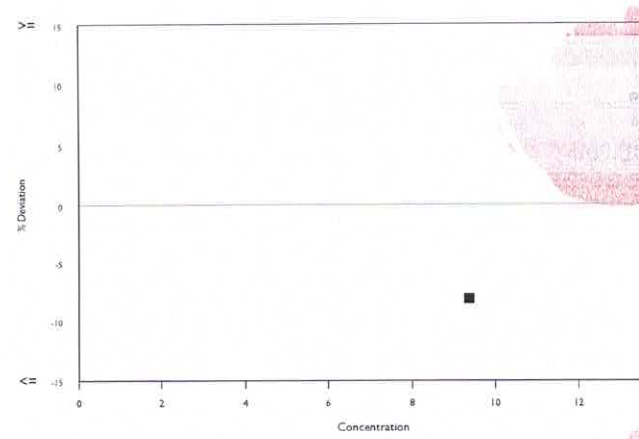
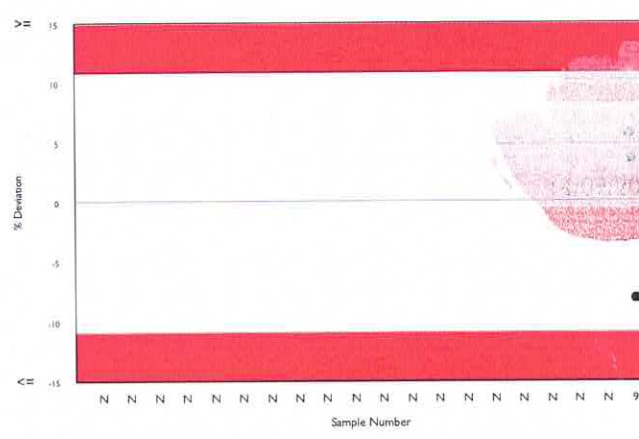
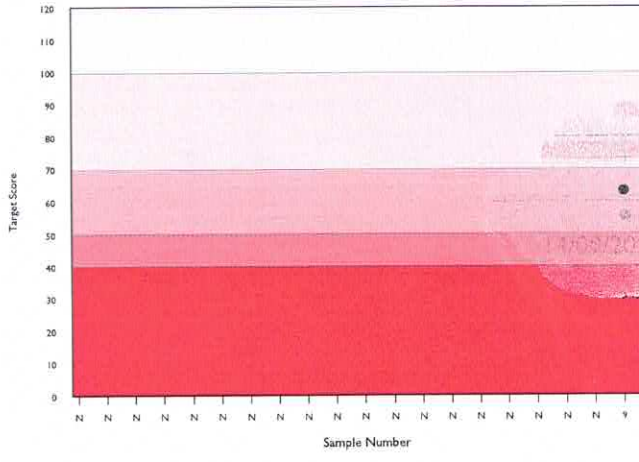
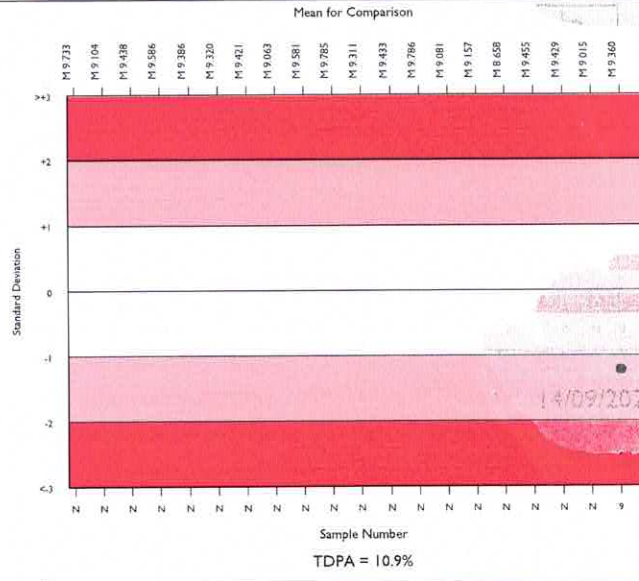
	N	Mean	CV%	U _m	SDPA	Exc.
All Methods	5181	9.284	9.4	0.02	0.62	481
Beckman Coulter Ac. T 5 series	44	9.360	3.3	0.06	0.62	5

▲ Your Result	8.600	SDI	-1.22
		RMSDI	Too Few
■ Mean for Comparison	9.360	TS	63
		RMTS	Too Few
		%DEV	-8.1
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	10.90%



Method	N	Mean	CV%	U _m
Sysmex XN Series	1018	9.879	2.7	0.01
Abbott Cell-Dyn Ruby	316	5.245	8.3	0.03
Beckman Coulter DxH 600/800/900 Series	277	8.499	2.7	0.02
Sysmex XS series	266	10.021	3.8	0.03
Mindray BC 1000/2000/3000 series	263	8.866	6.4	0.04
Sysmex XN-L Series (330/350/450/550)	248	9.879	2.8	0.02
Nihon Kohden Celltac Alpha	235	8.199	8.6	0.06
Sysmex XT series	237	9.558	3.0	0.02
Sysmex XP Series	221	9.366	3.2	0.02
Siemens/Bayer Advia 120/2120	214	9.972	5.9	0.05
Mindray BC-6000/6200/6600/6800/6800Plus	153	10.078	2.9	0.03
Sysmex KX 21	128	9.231	3.4	0.03
ABX Micros/Minos/ABC VET	126	8.277	6.8	0.06
Horiba ABX Pentra 60/80/XLR	120	9.180	4.9	0.05
Mindray BC 5100/5180/5300/5380/5390	112	8.878	3.6	0.04
Medonic M series/Swelab	77	8.564	5.0	0.06
Mindray BC 5000/5150/5130/5140	70	9.870	3.0	0.04
Nihon Kohden Celltac E/Es	68	7.492	5.5	0.06
Beckman Coulter LH700 Series	63	8.429	3.4	0.05
ABX Pentra 120/Nexus Series	56	9.291	3.6	0.06
Erba Lächema Elite series	43	9.237	6.0	0.11

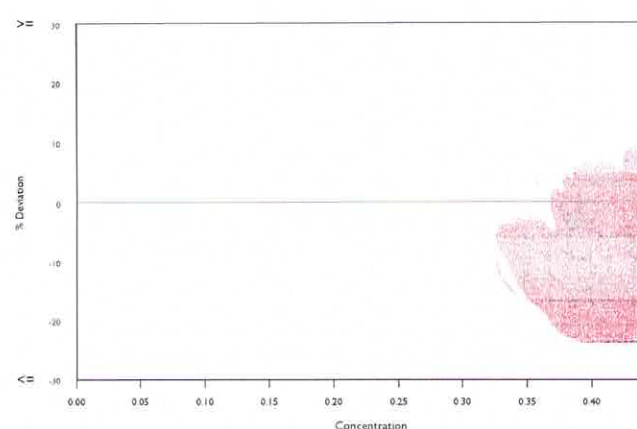
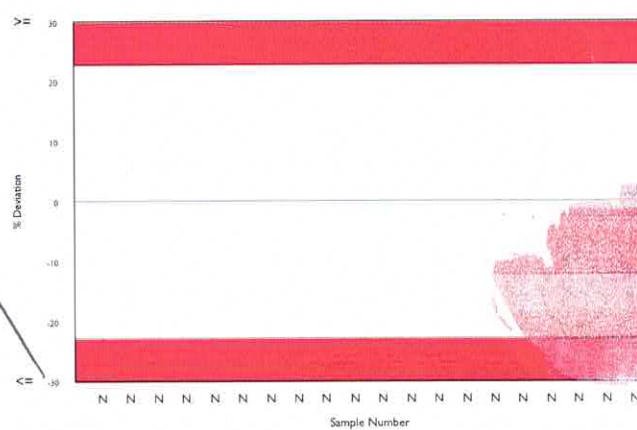
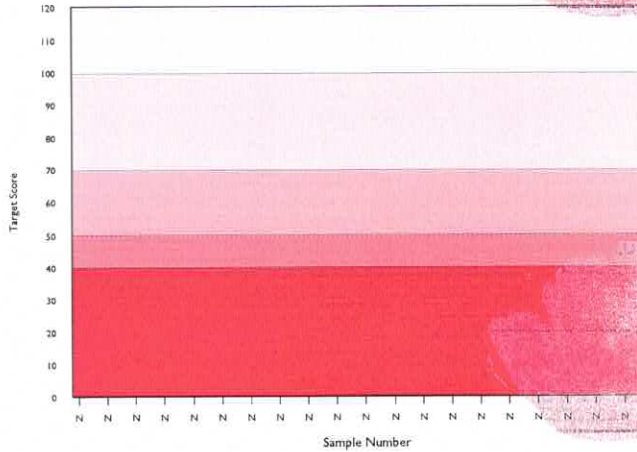
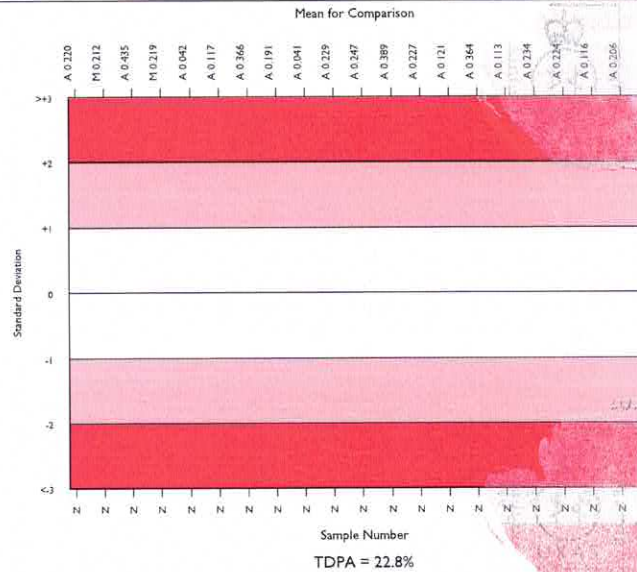
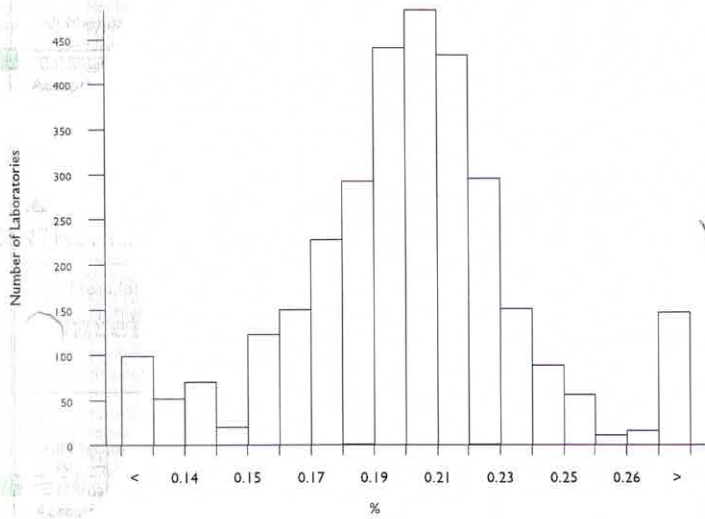


Plateletcrit, %

	N	Mean	CV%	U _m	SDPA	Exc.
All Methods	2832	0.206	11.8	0.00	0.03	319
Beckman Coulter Ac. T 5 series	2	0.208	11.9	0.02	0.04a	0

▲ Your Result	No Result	SDI	Too Few
		RMSDI	
□ Mean for Comparison	0.206	TS	Too Few
		RMTS	
		%DEV	Too Few
		RM%DEV	

Acceptable limits derived from Biological Variation: N/A
 Acceptable limits of performance for RIQAS: 22.80%



no reported

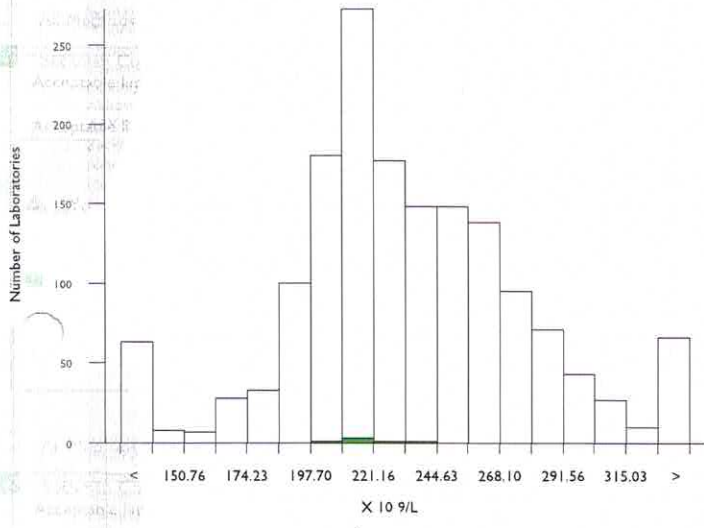
Method	N	Mean	CV%	U _m
Sysmex XN Series	490	0.214	5.7	0.00
Mindray BC 1000/2000/3000 series	229	0.203	10.6	0.00
Nihon Kohden Celltac Alpha	209	0.177	12.5	0.00
Sysmex XT series	163	0.207	6.7	0.00
Sysmex XS series	148	0.211	7.0	0.00
Sysmex XP Series	132	0.232	7.6	0.00
Mindray BC-6000/6200/6600/6800/6800Plus	105	0.226	5.0	0.00
Sysmex XN-L Series (330/350/450/550)	103	0.216	6.9	0.00
Siemens/Bayer Advia 120/2120	83	0.208	5.6	0.00
Mindray BC 5100/5180/5300/5380/5390	80	0.204	9.0	0.00
Abbott Cell-Dyn Ruby	80	0.139	11.8	0.00
ABX Micros/Minos/ABC VET	78	0.185	8.8	0.00
Beckman Coulter DxH 600/800/900 Series	81	0.193	4.8	0.00
Nihon Kohden Celltac E/Es	63	0.169	8.8	0.00
Mindray BC 5000/5150/5130/5140	59	0.226	7.1	0.00
Medonic M series/Swelab	58	0.178	9.5	0.00
Horiba ABX Pentra 60/80/XLR	50	0.210	8.4	0.00
Human Humacount Series	41	0.192	17.7	0.01
ABX Pentra 120/Nexus Series	39	0.210	5.5	0.00
Erba Lachema Elite series	31	0.185	10.3	0.00
Mindray BC 5600/5800	28	0.198	7.1	0.00

Platelets (Optical Count), X 10⁹/L

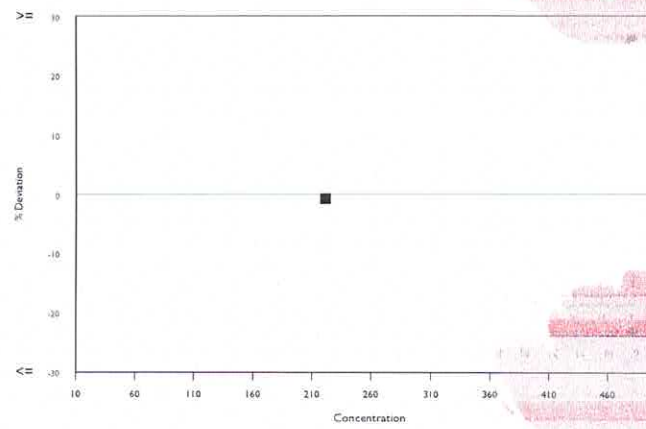
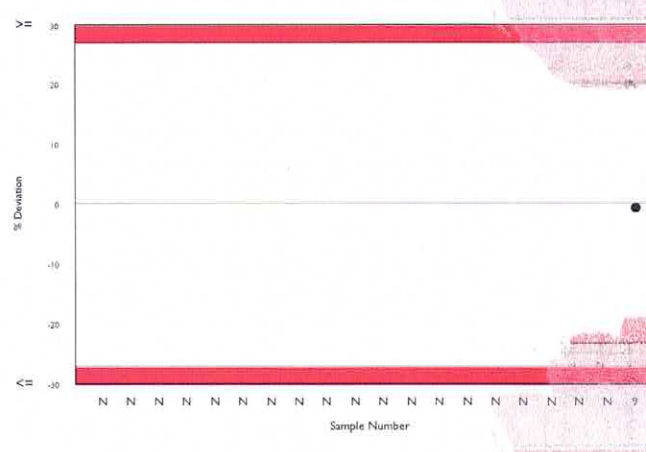
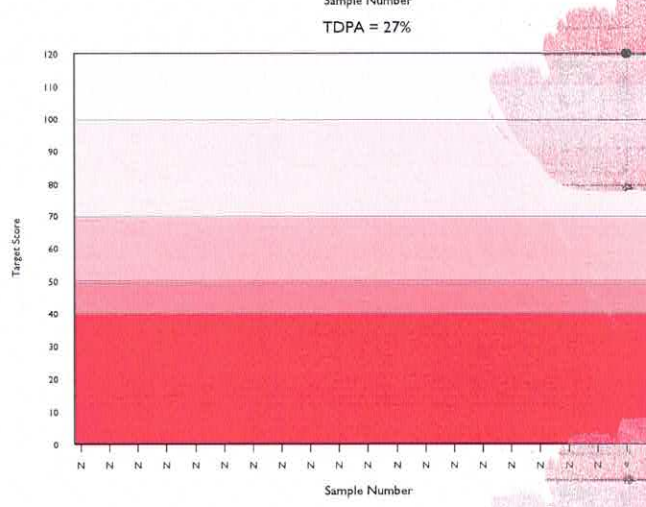
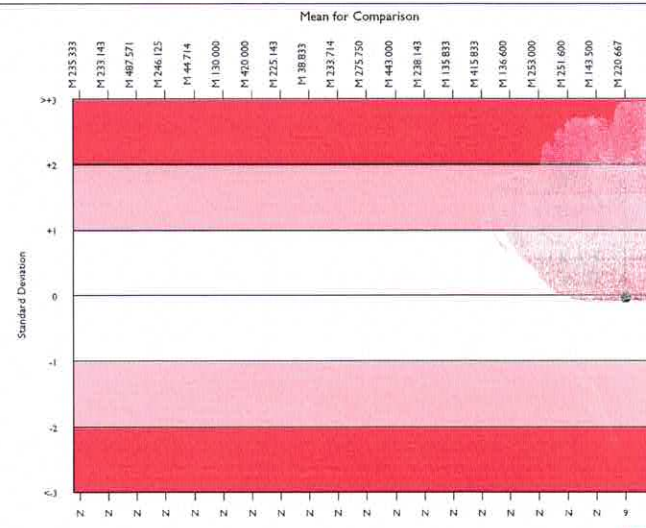
	N	Mean	CV%	U _m	SDPA	Exc.
All Methods	1451	232.902	13.4	1.03	38.23	164
Beckman Coulter Ac. T 5 series	6	220.667	4.2	4.72	36.22	0

▲ Your Result	219.000	SDI	-0.05
		RMSDI	Too Few
■ Mean for Comparison	220.667	TS	120
		RMTS	Too Few
		%DEV	-0.8
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation	N/A
Acceptable limits of performance for RIQAS	27.00%



Method	N	Mean	CV%	U _m
Abbott Cell-Dyn Ruby	392	263.983	6.9	1.15
Manual Methods	273	216.283	14.9	2.44
Siemens/Bayer Advia 120/2120	298	205.887	6.4	0.95
Sysmex XN Series	104	248.692	17.3	5.26
Abbott Cell-Dyn 3200	51	250.961	11.5	5.06
Sysmex XT Series	45	228.746	8.7	3.73
Sysmex XN-L Series (330/350/450/550)	40	222.275	6.2	2.73
Sysmex XS Series	36	209.997	5.7	2.48
Abbott Alinity hq	34	215.029	3.8	1.75
Mindray BC-6000/6200/6600/6800/6800Plus	25	224.560	6.1	3.45
Beckman Coulter DxH 600/800/900 Series	26	222.796	5.0	2.71
Abbott Cell-Dyn Sapphire	17	239.941	6.8	4.93
Sysmex KX21	15	234.733	6.6	4.99
Horiba ABX Pentra 60/80/XLR	9	225.056	4.8	4.51
ABX Micros/Minos/ABC VET	6	223.500	5.8	6.64
Beckman Coulter Ac. T 5 series	6	220.667	4.2	4.72
Horiba Yumizen H500/ 550	6	235.417	6.3	7.54
Sysmex XE-2100	5	278.600	3.1	4.82
Beckman Coulter DxH 500 Series	5	241.440	9.6	12.95
Horiba Yumizen H1500/ 2500	5	232.800	5.5	7.15
Sysmex XE-5000	5	273.400	6.3	9.67



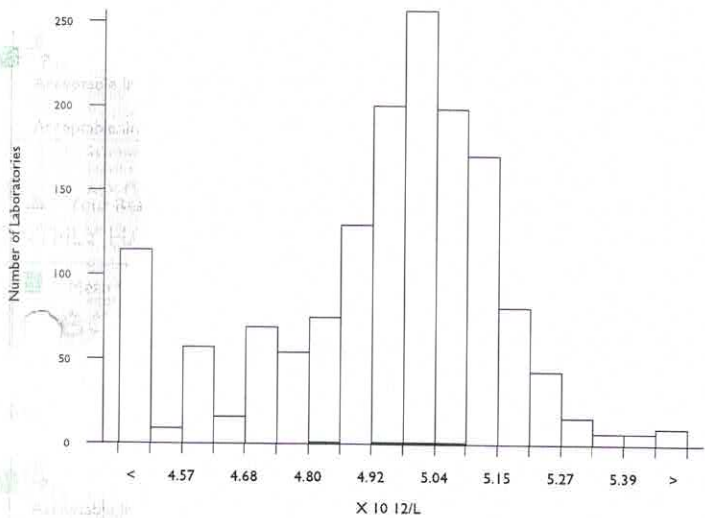
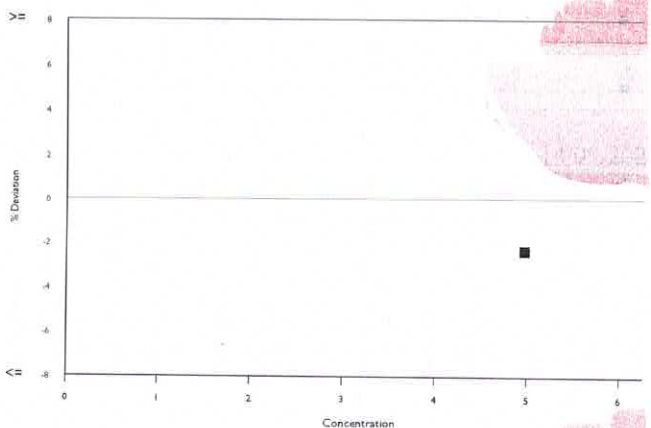
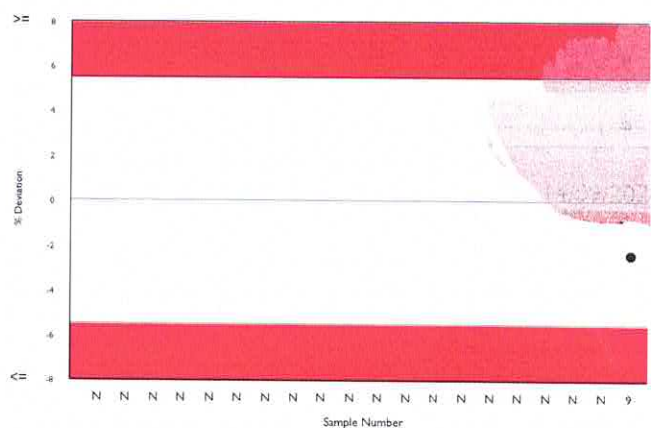
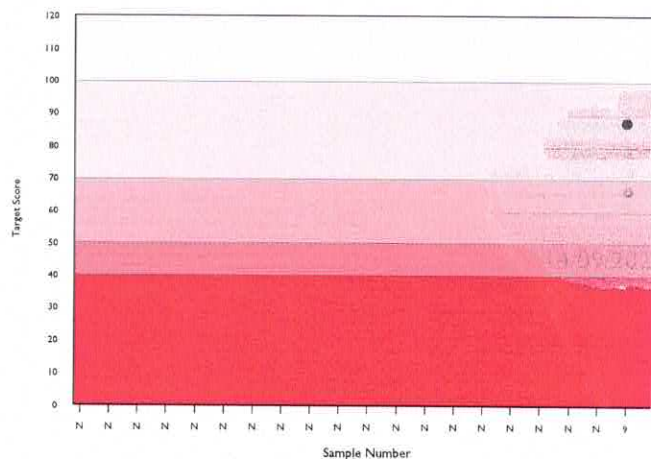
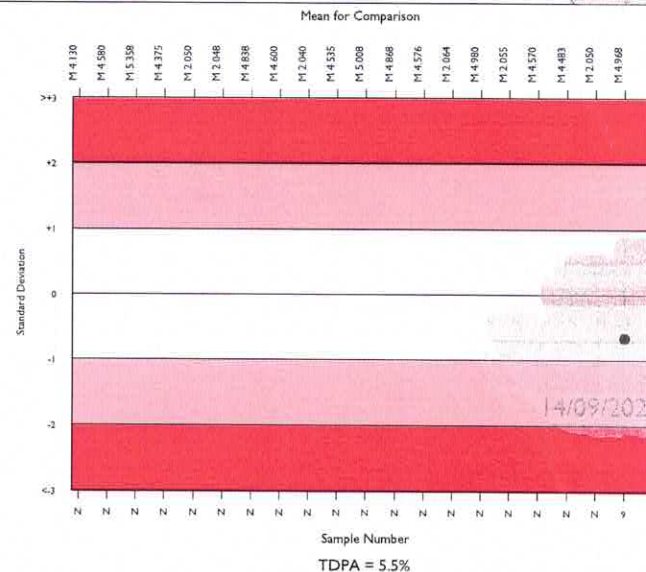
RBC (Optical Count), X 10¹²/L

	N	Mean	CV%	U _m	SDPA	Exc.
<input type="checkbox"/> All Methods	1372	4.982	3.1	0.01	0.17	139
<input checked="" type="checkbox"/> Beckman Coulter Ac. T 5 series	4	4.968	1.8	0.06	0.18a	0

▲ Your Result	4.850	SDI	-0.67
		RMSDI	Too Few
■ Mean for Comparison	4.968	TS	87
		RMTS	Too Few
		%DEV	-2.4
		RM%DEV	Too Few

The mean for comparison is not statistically significant

Acceptable limits derived from Biological Variation: N/A
 Acceptable limits of performance for RIQAS: 5.50%



Method	N	Mean	CV%	U _m
Abbott Cell-Dyn Ruby	411	5.070	2.1	0.01
Siemens/Bayer Advia 120/2120	289	4.969	1.7	0.01
Manual Methods	238	4.680	3.9	0.01
Sysmex XN Series	118	5.047	1.8	0.01
Abbott Cell-Dyn 3200	48	5.008	1.7	0.02
Sysmex XT Series	41	5.049	2.3	0.02
Sysmex XS Series	40	5.058	1.3	0.01
Abbott Alinity hq	38	4.988	2.4	0.02
Beckman Coulter DxH 600/800/900 Series	25	4.970	1.0	0.01
Mindray BC-6000/6200/6600/6800/6800Plus	20	5.003	2.4	0.03
Sysmex KX21	17	5.009	1.2	0.02
Abbott Cell-Dyn Sapphire	12	4.993	2.6	0.05
Horiba ABX Pentra 60/80/XLR	10	5.012	1.2	0.02
ABX Micros/Minos/ABC VET	6	4.938	3.2	0.08
Horiba Yumizen H500/ 550	6	4.848	5.7	0.14
Beckman Coulter DxH 500 Series	5	5.092	3.8	0.11
Sysmex XE-2100	5	4.848	3.9	0.10
Beckman Coulter Ac. T 5 series	4	4.968	1.8	0.06
ABX Pentra 120/Nexus Series	4	5.065	0.6	0.02
Abbott Cell-Dyn 3700	3	5.050	1.5	0.06
Beckman Coulter LH700 Series	3	5.040	2.7	0.10

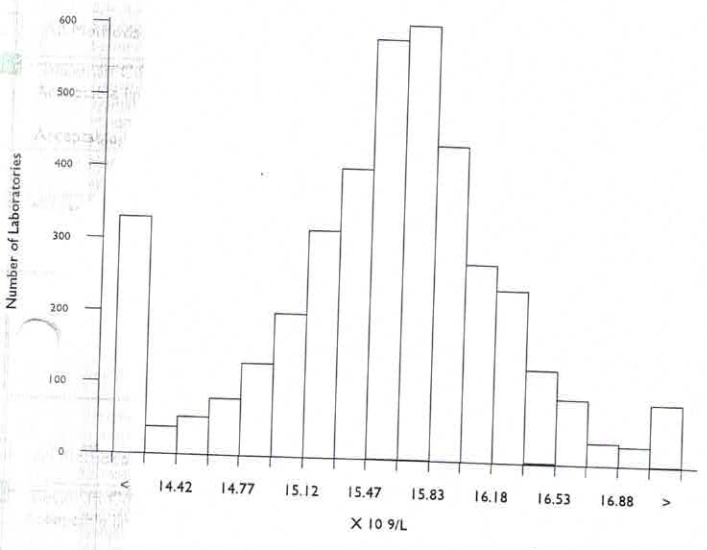
WBC (Optical Count), X 10⁹/L

	N	Mean	CV%	U _m	SDPA	Exc.
All Methods	3573	15.655	3.0	0.01	0.68	473
Beckman Coulter Ac. T 5 series	5	16.360	4.9	0.45	0.84a	0

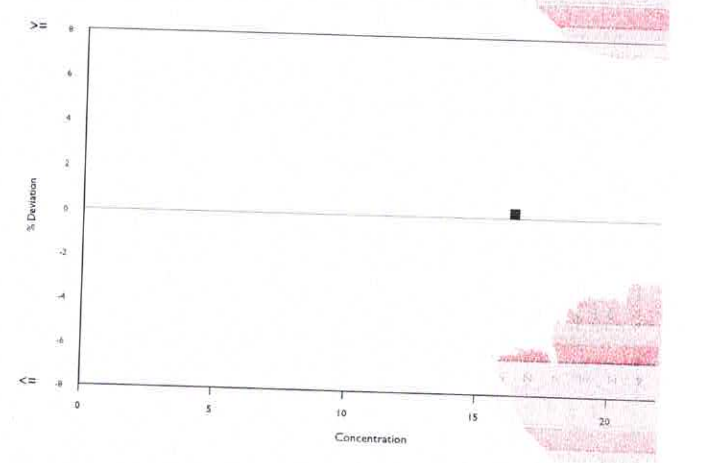
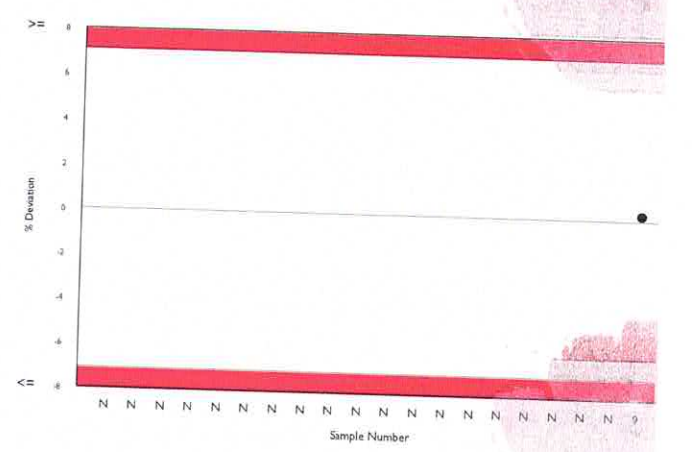
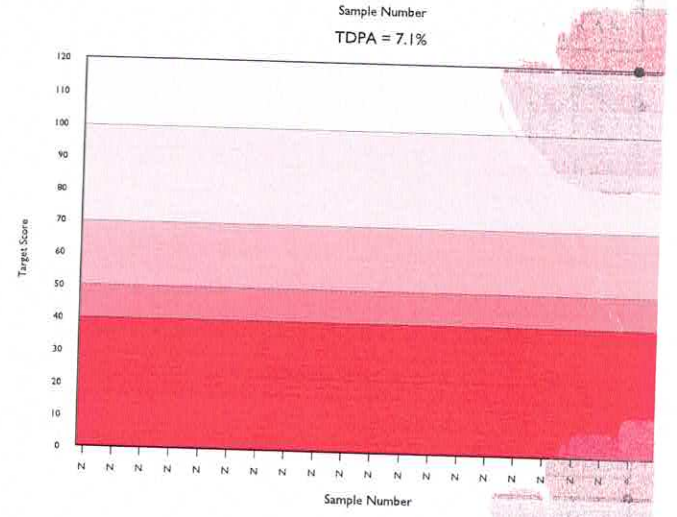
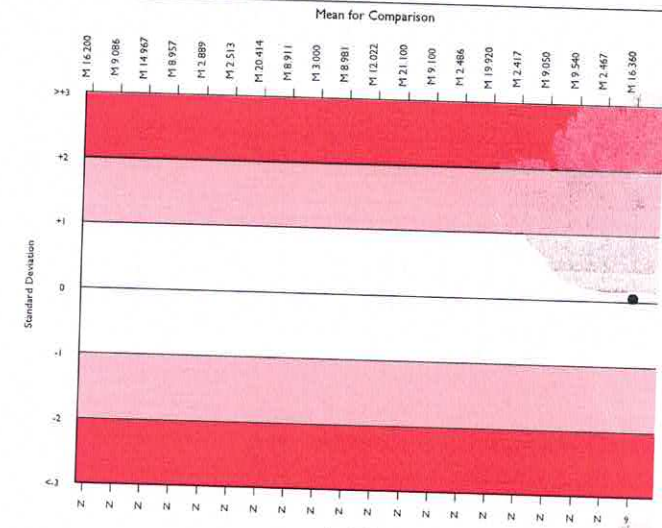
▲ Your Result	16.400	SDI	0.05
		RMSDI	Too Few
■ Mean for Comparison	16.360	TS	120
		RMTS	Too Few
		%DEV	0.2
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation N/A

Acceptable limits of performance for RIQAS 7.10%



Method	N	Mean	CV%	U _m
Sysmex XN Series	1158	15.596	1.8	0.01
Abbott Cell-Dyn Ruby	414	15.809	2.4	0.02
Manual methods	304	14.989	8.7	0.09
Sysmex XS Series	323	15.979	2.7	0.03
Siemens/Bayer Advia 120/2120	286	15.083	3.4	0.04
Sysmex XT Series	278	15.951	2.5	0.03
Sysmex XN-L Series (330/350/450/550)	238	15.939	2.0	0.03
Mindray BC-6000/6200/6600/6800/6800Plus	177	15.487	2.0	0.03
Mindray BC 5000/5150/5130/5140	71	15.557	2.5	0.06
Abbott Cell-Dyn 3200	52	15.860	2.9	0.08
Mindray BC 5600/5800	53	15.826	3.1	0.09
Beckman Coulter DxH 600/800/900 Series	35	15.413	1.3	0.04
Abbott Alinity hq	35	15.734	2.1	0.07
Sysmex XE-2100	32	15.338	3.5	0.12
ABX Pentra 120/Nexus Series	21	15.869	3.7	0.16
Sysmex KX21	18	15.407	2.8	0.13
Abbott Cell-Dyn Sapphire	18	16.011	2.6	0.12
ABX Micros/Minos/ABC VET	11	15.214	2.4	0.14
Horiba ABX Pentra 60/80/XLR	14	15.654	5.3	0.28
Sysmex XE-5000	12	14.948	2.8	0.15
Mindray BC 5200/5500	11	15.749	3.7	0.22



Analyte	Mean for Comparison	Your Result	SDI	RMSDI	%DEV	RM%DEV	TS	RMTS	Performance
haemoglobin	14.997	14.500	-1.36	Too Few	-3.3	Too Few	58	Too Few	
haematocrit (HCT)	41.861	41.800	-0.04	Too Few	-0.1	Too Few	120	Too Few	
ICH	29.740	29.800	0.06	Too Few	0.2	Too Few	120	Too Few	
ICHC	35.751	34.500	-0.80	Too Few	-3.5	Too Few	81	Too Few	
ICV	83.168	86.000	0.93	Too Few	3.4	Too Few	82	Too Few	
lean Platelet Volume	9.360	8.600	-1.22	Too Few	-8.1	Too Few	63	Too Few	
plateletcrit	0.206	No Result		Too Few		Too Few		Too Few	
platelets (Optical Count)	220.667	219.000	-0.05	Too Few	-0.8	Too Few	120	Too Few	
BC (Optical Count)	4.968	4.850	-0.67	Too Few	-2.4	Too Few	87	Too Few	
red Cell Dist. Width CV	14.255	13.700	-0.74	Too Few	-3.9	Too Few	85	Too Few	
WBC (Optical Count)	16.360	16.400	0.05	Too Few	0.2	Too Few	120	Too Few	

ORMSDI N/A

ORM%DEV N/A

ORMTS N/A

P 17/09/20

Sample ID cycle13/9
 Cass. Pos.
 Location
 Sample Comment
 Patient ID
 Last Name
 First Name
 Patient Comment

Run Date/Time 07/09/2020 16:18:06
 Flagging Set Proteus Standard
 Physician

Collect Date/Time
 Panel CBC/DIFF Rerun No
 Operator Supervisor

Date of Birth
 Age
 Gender Unknown

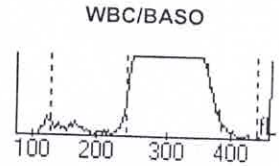
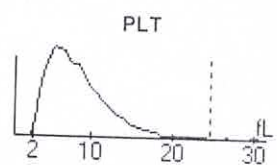
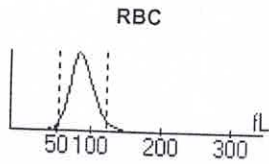
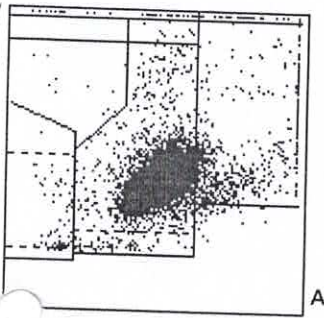
			Range
WBC	16.4HH	10 ³ /μL	4.0 / 11.0
RBC	4.83	10 ⁶ /μL	4.00 / 6.20
HGB	14.6	g/dL	11.0 / 18.8
HCT	41.5	%	35.0 / 55.0
MCV	86	fL	80 / 100
MCH	30.2	pg	26.0 / 34.0
MCHC	35.2H	g/dL	31.0 / 35.0
F	13.3	%	10.0 / 20.0
PLT	204	10 ³ /μL	150 / 400
MPV	8.8	fL	6.0 / 10.0

			Range
NE	....	%	50.0 / 80.0
LY	0.9LL	%	25.0 / 50.0
MO	0.1LL	%	2.0 / 10.0
EO	....	%	0.0 / 5.0
BA	....	%	0.0 / 2.0
NE#	....	10 ³ /μL	2.00 / 8.00
LY#	0.15LL	10 ³ /μL	1.00 / 5.00
MO#	0.02L	10 ³ /μL	0.10 / 1.00
EO#	....	10 ³ /μL	0.00 / 0.40
BA#	....	10 ³ /μL	0.00 / 0.20

Flags and Messages

DiffPlot and Histogram Flags
 NE
 Analytical Messages
 BASO+
 Interpretive Messages
 Leukocytosis
 Lymphopenia
 QA Messages
 QC expired

Result Comment



Microscopic Examination

Neutrophils	_____	Metamyelocytes	_____	Anisocytosis	_____	Retics	_____
Bands	_____	Myelocytes	_____	Hypochromia	_____	Sed. Rate	_____
Lymphocytes	_____	Promyelocytes	_____	Polychromasia	_____		
Monocyte	_____	Blast	_____	Poikilocytosis	_____		
Eosinophils	_____	Atyp. Lymph	_____	Microcytosis	_____		
Basophils	_____	NRBCs	_____	Macrocytosis	_____		

Comments _____

Requested by _____
 Reviewed by _____

Raw Data	WBC1 11535	WBC2 11560	LY# 79	SL 41	FNL 11	WBC 11733
	RBC1 26373	RBC2 26702	MO# 9	ATL 1	FMN 0	RA# 9587
	HCT1 1967301	HCT2 1965053	NE# 7980	UM 0	FNE 139	DIFF# 8825
	PLT1 19440	PLT2 19458	EO# 757	LN 94	UN 11	CO% 95.7
	HGBB 3851	HGBM 1885	DB 120	C127 216	IMM 227	

Out of Action Range **XX.X** Out of Patient Range **XX.X**

RAW DATA REPORT FOR INVESTIGATIONAL USE ONLY