

Proteus Laboratories

All acceptable

MONTHLY HAEMATOLOGY

CYCLE 13 SAMPLE 10

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: 14/10/2020

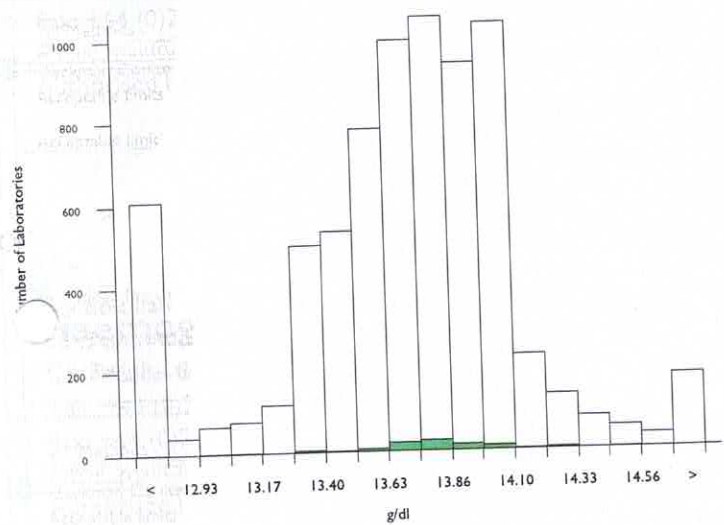
Randox Laboratories Limited
55 Diamond Road
CRUMLIN BT29 4QY
Tel: +44 (0)28 9445 4399
Fax: +44 (0)28 9445 4398
Email: mail@riqas.com

Haemoglobin, g/dl

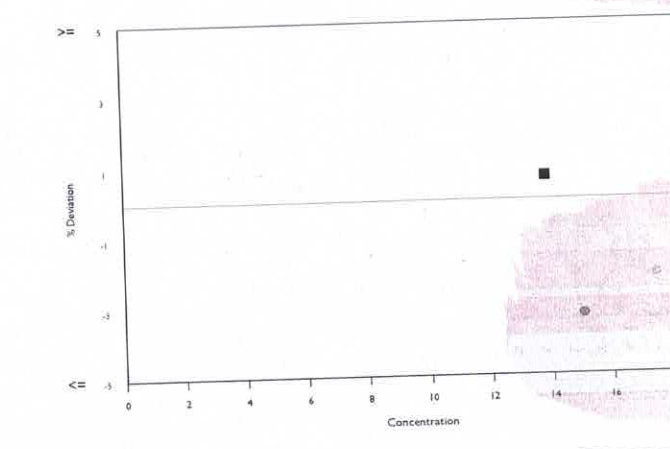
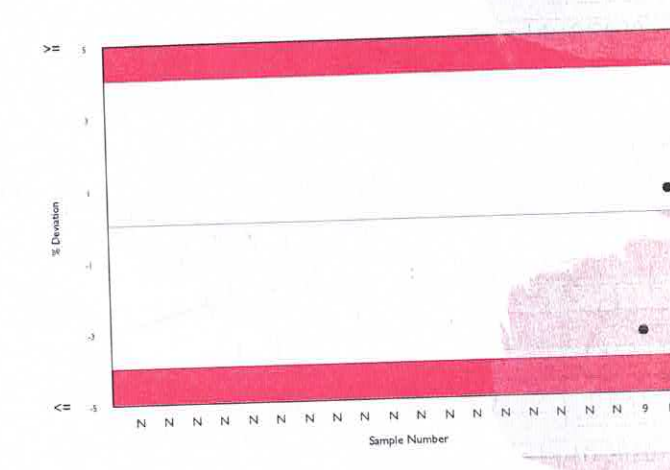
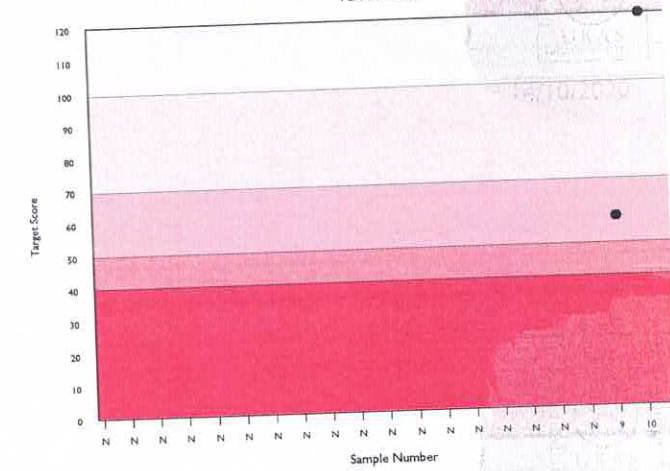
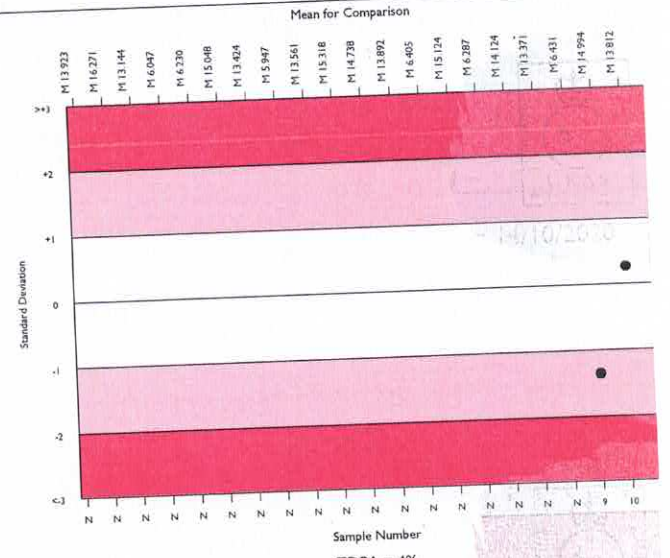
	N	Mean	CV%	U _m	SDPA	Exc.
All Methods	6724	13.753	2.3	0.00	0.33	671
Beckman Coulter Ac. T 5 series	79	13.812	1.1	0.02	0.34	11

▲ Your Result	13.900	SDI	0.26
		RMSDI	Too Few
■ Mean for Comparison	13.812	TS	120
		RMTS	Too Few
		%DEV	0.6
		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	1282	13.819	1.3	0.01
Abbott Cell-Dyn Ruby	414	13.912	1.8	0.02
Sysmex XN-L Series (330/350/450/550)	322	13.708	1.1	0.01
Sysmex XS series	315	13.784	1.3	0.01
Mindray BC 1000/2000/3000 series	301	13.675	2.7	0.03
Siemens/Bayer Advia 120/2120	295	13.853	1.5	0.02
Beckman Coulter DxH 600/800/900 Series	295	13.564	1.1	0.01
Nihon Kohden Celltac Alpha	278	13.894	2.2	0.02
Sysmex XP Series	284	13.560	2.1	0.02
Sysmex XT series	268	13.747	1.2	0.01
Manual Methods	197	12.198	4.4	0.05
Mindray BC-6000/6200/6600/6800/6800Plus	180	13.858	1.0	0.01
ABX Micros/Minos/ABC VET	180	13.637	3.4	0.04
Sysmex KX 21	158	13.550	1.7	0.02
Horiba ABX Pentra 60/80/XLR	153	13.797	1.3	0.02
Calculated from HCT	129	12.033	3.2	0.04
Mindray BC 5100/5180/5300/5380/5390	119	13.780	1.7	0.03
Nihon Kohden Celltac E/Es	89	13.830	1.3	0.02
Medonic M series/Swelab	82	13.990	2.4	0.05
Beckman Coulter Ac. T 5 series	79	13.812	1.1	0.02
Beckman Coulter LH700 Series	76	13.715	1.0	0.02

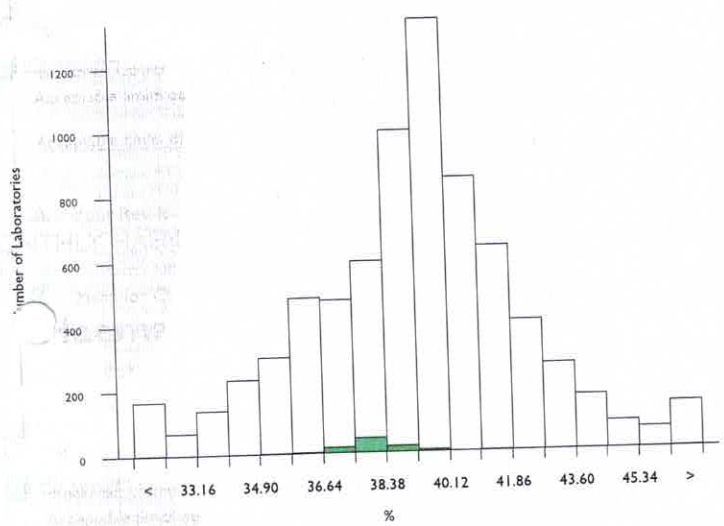


Haematocrit (HCT), %

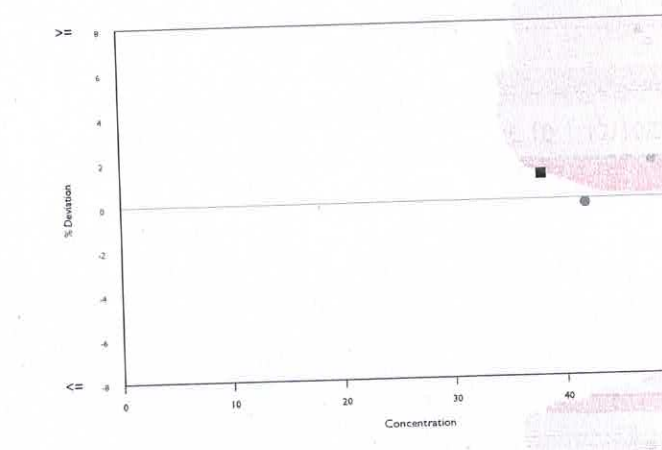
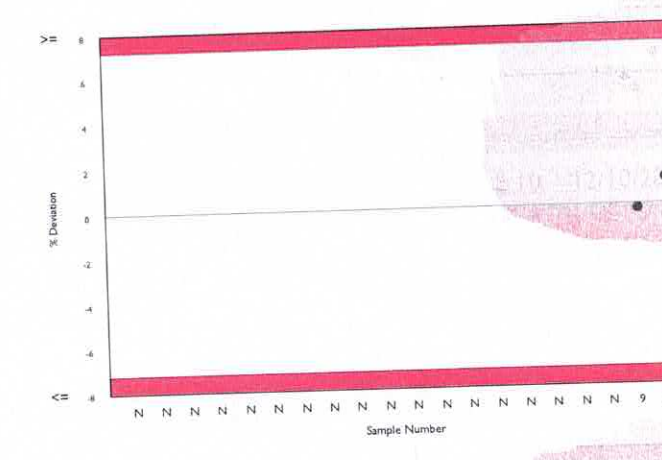
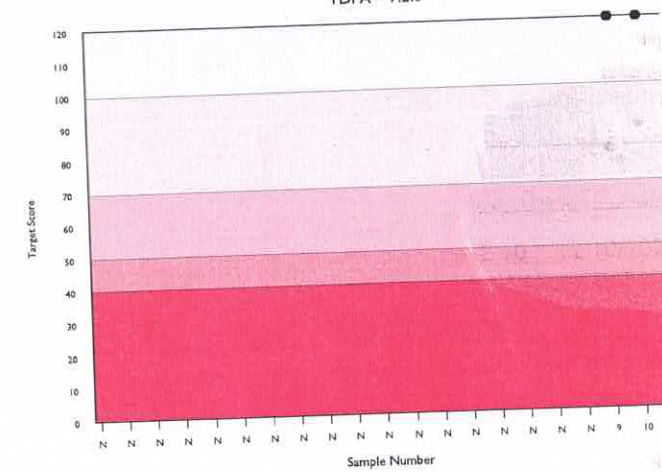
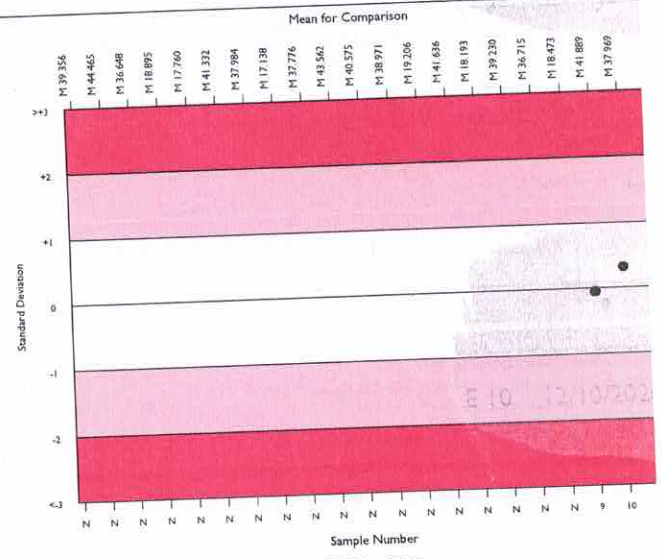
	N	Mean	CV%	U _m	SDPA	Exc.
All Methods	6796	39.253	5.9	0.04	1.44	569
Beckman Coulter Ac. T 5 series	80	37.969	1.5	0.08	1.39	10

▲ Your Result	38.400	SDI	0.31
		RMSDI	Too Few
■ Mean for Comparison	37.969	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	7.20%



Method	N	Mean	CV%	U _m
Sysmex XN Series	1247	39.543	2.1	0.03
Abbott Cell-Dyn Ruby	400	34.565	2.6	0.06
Sysmex XN-L Series (330/350/450/550)	329	39.354	2.3	0.06
Sysmex XS series	306	39.616	2.3	0.07
Mindray BC 1000/2000/3000 series	296	41.116	3.5	0.11
Siemens/Bayer Advia 120/2120	299	35.875	2.7	0.07
Beckman Coulter DxH 600/800/900 Series	288	40.465	1.6	0.05
Sysmex XP Series	278	36.685	3.2	0.09
Nihon Kohden Celltac Alpha	278	40.907	3.2	0.10
Sysmex XT series	263	39.558	2.5	0.08
Manual Methods	195	36.672	2.7	0.09
Mindray BC-6000/6200/6600/6800/6800Plus	182	43.834	2.0	0.08
ABX Micros/Minos/ABC VET	173	39.002	3.8	0.14
Sysmex KX 21	163	36.993	2.6	0.09
Horiba ABX Pentra 60/80/XLR	146	38.184	2.5	0.10
Microhaematocrit Centrifugation	146	36.331	2.8	0.10
Mindray BC 5100/5180/5300/5380/5390	114	42.190	3.3	0.16
Nihon Kohden Celltac E/Es	86	41.859	2.4	0.14
Medonic M series/Swelab	81	39.135	3.7	0.20
Beckman Coulter Ac. T 5 series	80	37.969	1.5	0.08
Beckman Coulter LH700 Series	74	40.651	2.1	0.12

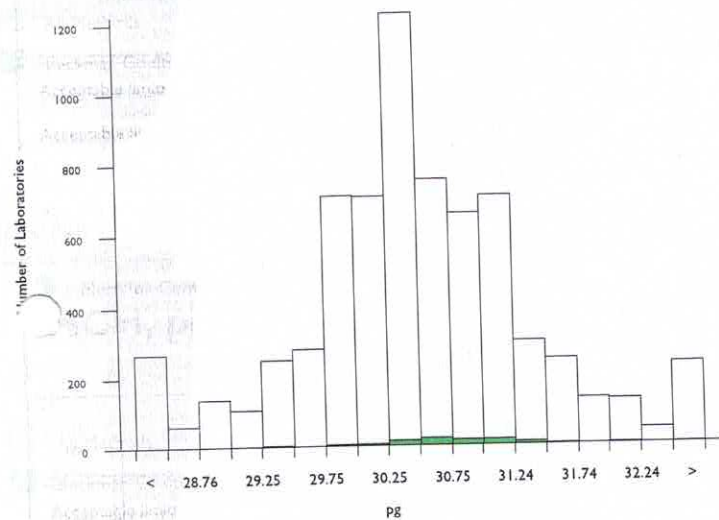


MCH, pg

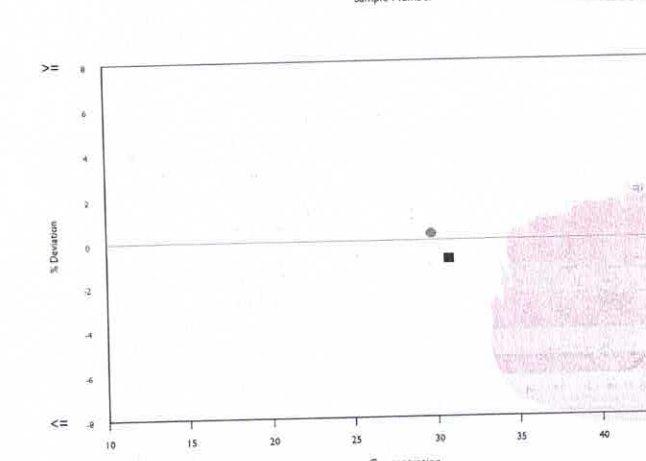
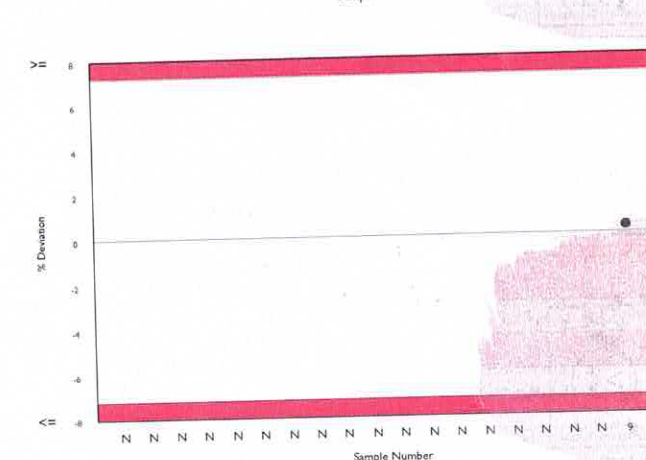
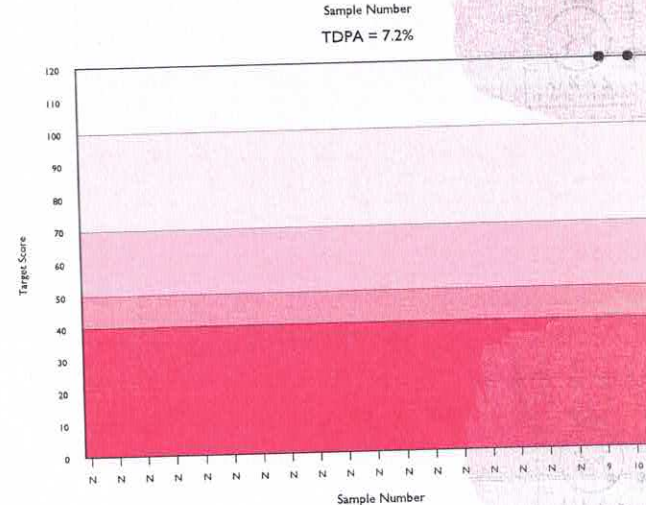
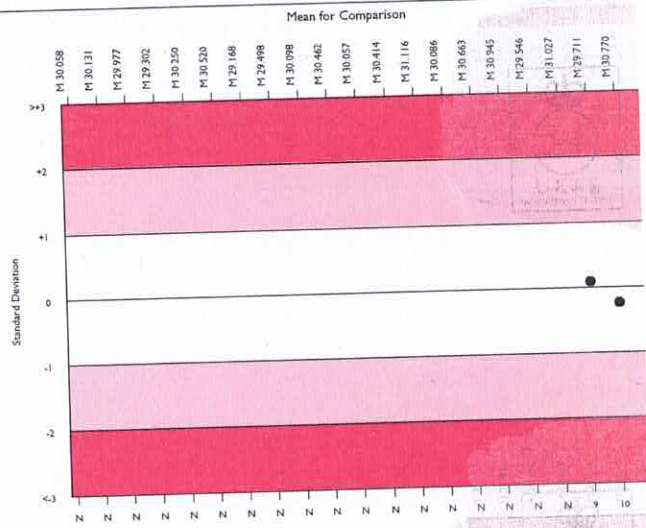
	N	Mean	CV%	U _m	SDPA	Exc.
All Methods	6294	30.502	2.2	0.01	1.10	599
Beckman Coulter Ac. T 5 series	81	30.770	1.2	0.05	1.11	9

▲ Your Result	30.500	SDI	-0.24
		RMSDI	Too Few
■ Mean for Comparison	30.770	TS	120
		RMTS	Too Few
		%DEV	-0.9
		RM%DEV	Too Few

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



Method	N	Mean	CV%	U _m
Sysmex XN Series	1252	30.449	1.4	0.02
Abbott Cell-Dyn Ruby	407	30.730	2.7	0.05
Sysmex XN-L Series (330/350/450/550)	331	30.478	1.4	0.03
Sysmex XS series	311	30.525	1.5	0.03
Mindray BC 1000/2000/3000 series	288	29.779	3.2	0.07
Beckman Coulter DxH 600/800/900 Series	288	30.518	1.3	0.03
Siemens/Bayer Advia 120/2120	290	30.709	2.2	0.05
Nihon Kohden Celltac Alpha	272	30.636	2.5	0.06
Sysmex XP Series	273	30.506	2.6	0.06
Sysmex XT series	269	30.371	1.6	0.04
Mindray BC-6000/6200/6600/6800/6800Plus	186	30.759	1.6	0.04
Sysmex KX 21	165	30.422	2.2	0.07
ABX Micros/Minos/ABC VET	164	30.393	3.3	0.10
Horiba ABX Pentra 60/80/XLR	150	30.717	1.8	0.06
Mindray BC 5100/5180/5300/5380/5390	117	30.845	1.9	0.07
Nihon Kohden Celltac E/Es	84	30.649	1.9	0.08
Medonic M series/Swelab	81	31.025	2.0	0.09
Beckman Coulter Ac. T 5 series	81	30.770	1.2	0.05
Beckman Coulter LH700 Series	75	30.359	1.6	0.07
Mindray BC 5000/5150/5130/5140	70	30.659	2.4	0.11
ABX Pentra 120/Nexus Series	62	30.179	2.0	0.10



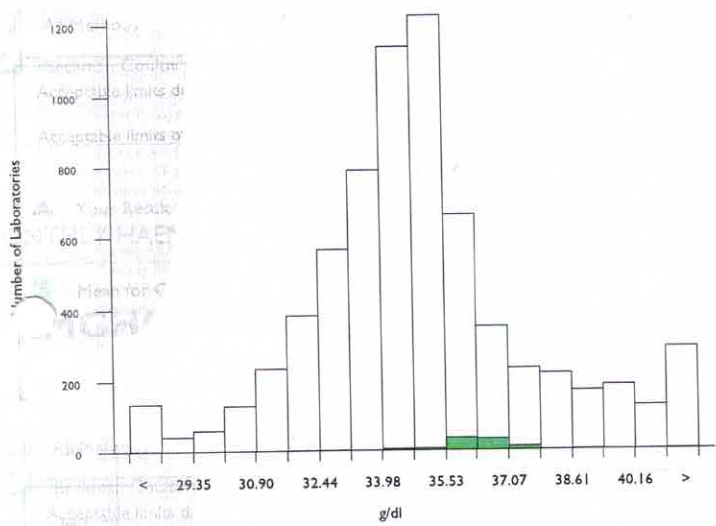
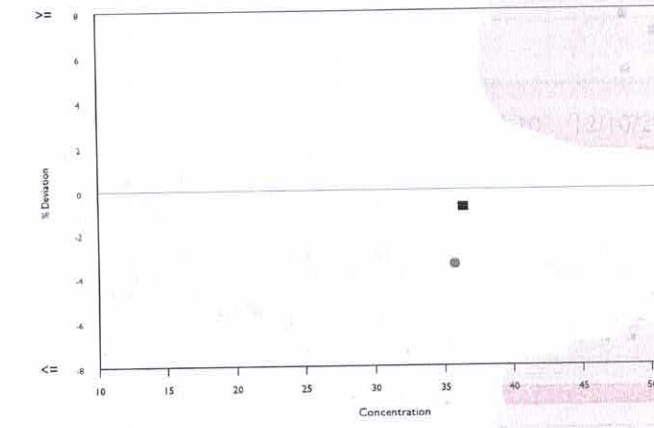
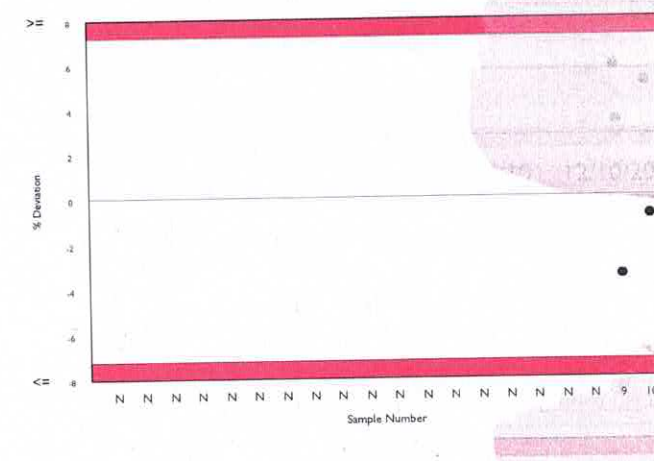
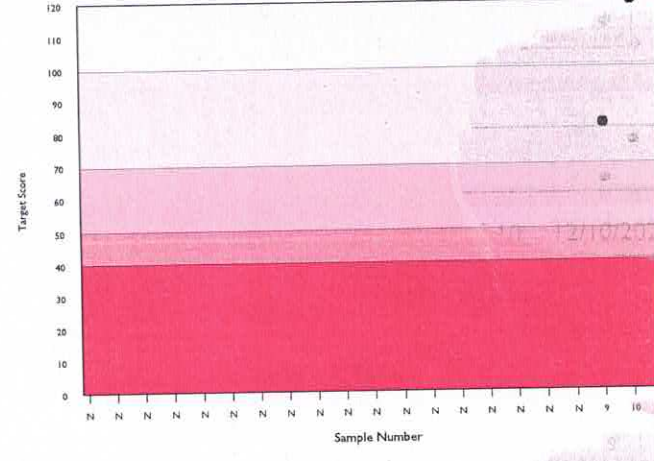
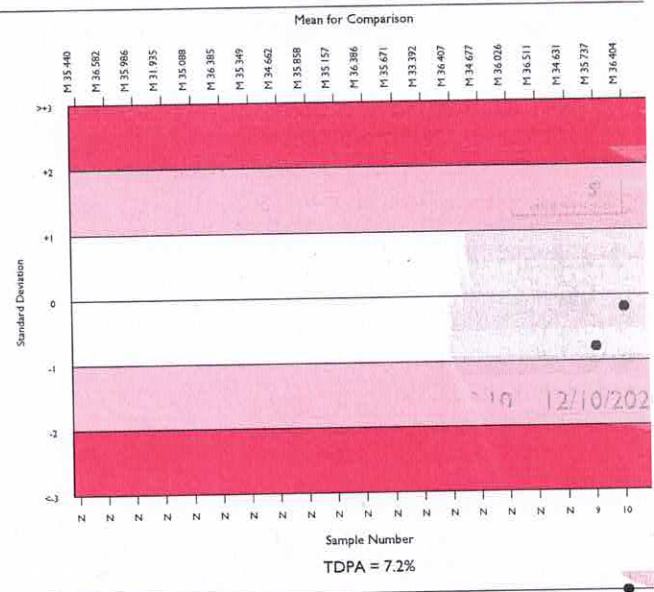
MCHC, g/dl

	N	Mean	CV%	U _m	SDPA	Exc.
All Methods	6291	34.759	5.9	0.03	1.52	592
Beckman Coulter Ac. T 5 series	74	36.404	1.1	0.06	1.59	16

▲ Your Result	36.100	SDI	-0.19
		RMSDI	Too Few
■ Mean for Comparison	36.404	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: 7.20%



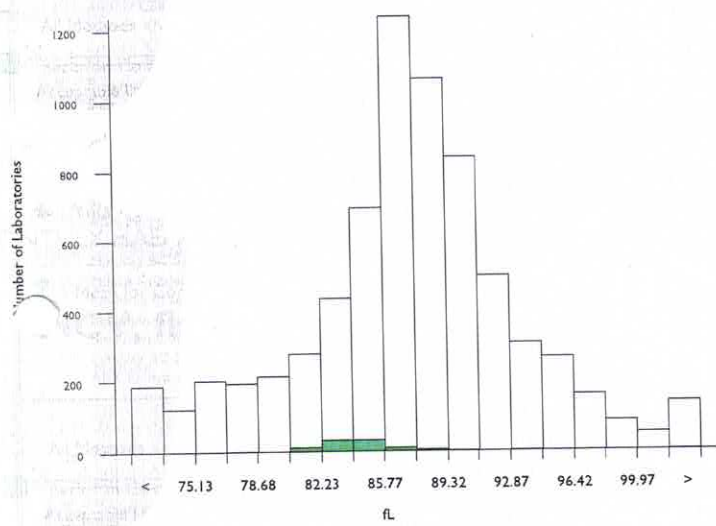
Method	N	Mean	CV%	U _m
Sysmex XN Series	1239	34.888	1.9	0.02
Abbott Cell-Dyn Ruby	387	40.256	2.8	0.07
Sysmex XN-L Series (330/350/450/550)	338	34.801	2.3	0.05
Sysmex XS series	307	34.721	2.3	0.06
Mindray BC 1000/2000/3000 series	278	33.220	3.8	0.09
Beckman Coulter DxH 600/800/900 Series	281	33.516	1.4	0.04
Siemens/Bayer Advia 120/2120	290	38.516	2.6	0.07
Nihon Kohden Celltac Alpha	268	33.933	3.4	0.09
Sysmex XP Series	275	36.875	3.7	0.10
Sysmex XT series	256	34.687	2.6	0.07
Mindray BC-6000/6200/6600/6800/6800Plus	182	31.523	1.9	0.05
Sysmex KX 21	161	36.468	3.2	0.12
ABX Micros/Minos/ABC VET	163	34.918	3.5	0.12
Horiba ABX Pentra 60/80/XLR	145	36.167	2.0	0.08
Mindray BC 5100/5180/5300/5380/5390	115	32.463	3.1	0.12
Nihon Kohden Celltac E/Es	86	32.995	2.6	0.12
Medonic M series/Swelab	82	35.833	3.3	0.16
Beckman Coulter Ac. T 5 series	74	36.404	1.1	0.06
Beckman Coulter LH700 Series	75	33.647	1.9	0.09
Mindray BC 5000/5150/5130/5140	66	32.432	2.7	0.14
ABX Pentra 120/Nexus Series	61	35.946	2.3	0.13

MCV, fL

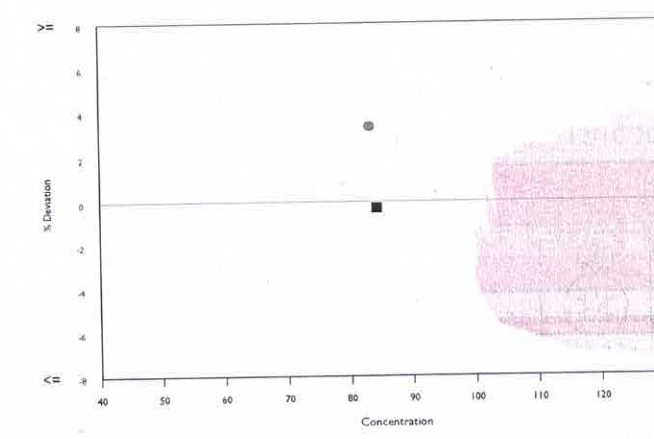
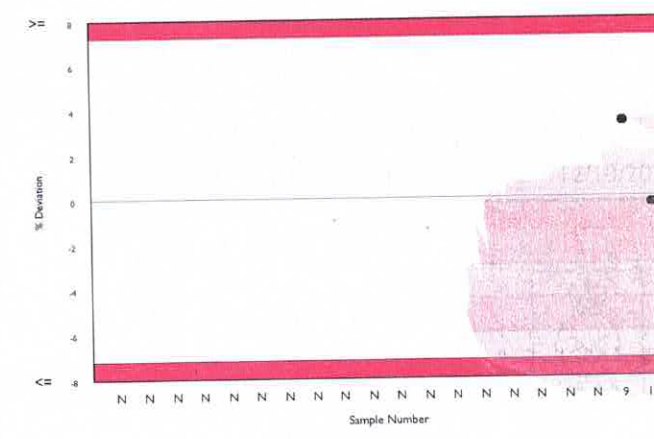
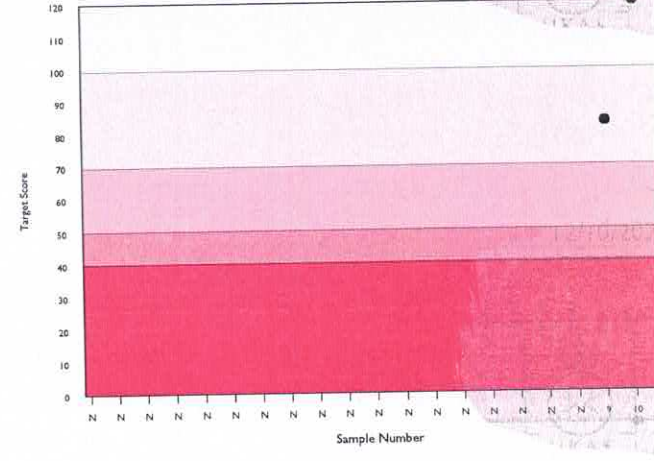
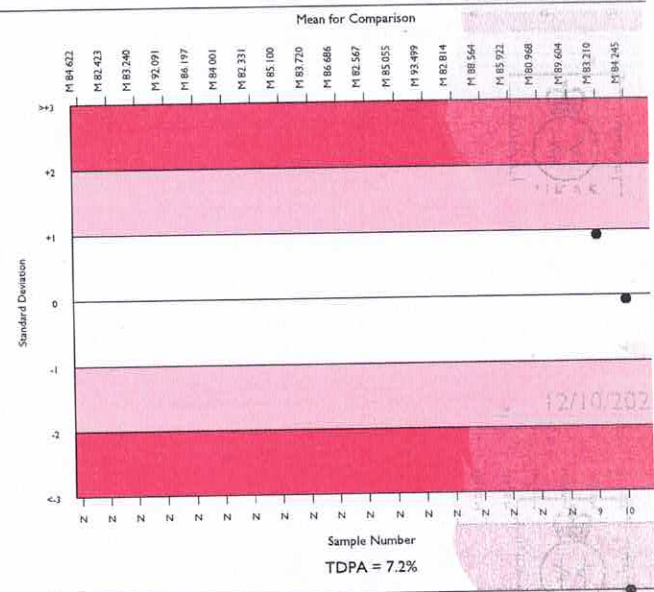
	N	Mean	CV%	U _m	SDPA	Exc.
All Methods	6361	87.553	5.4	0.07	3.22	568
Beckman Coulter Ac. T 5 series	81	84.245	1.5	0.17	3.09	9

▲ Your Result	84.000	SDI	-0.08
		RMSDI	Too Few
■ Mean for Comparison	84.245	TS	120
		RMTS	Too Few
		%DEV	-0.3
		RM%DEV	Too Few

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



Method	N	Mean	CV%	U _m
Sysmex XN Series	1249	87.118	1.9	0.06
Abbott Cell-Dyn Ruby	403	76.246	2.4	0.11
Sysmex XN-L Series (330/350/450/550)	328	87.497	2.3	0.14
Sysmex XS series	303	87.652	2.1	0.13
Mindray BC 1000/2000/3000 series	290	89.815	2.7	0.18
Beckman Coulter DxH 600/800/900 Series	286	90.977	1.2	0.08
Siemens/Bayer Advia 120/2120	296	79.643	2.8	0.16
Nihon Kohden Celltac Alpha	274	90.341	2.4	0.16
Sysmex XP Series	272	82.592	2.6	0.17
Sysmex XT series	256	87.332	2.2	0.15
Mindray BC-6000/6200/6600/6800/6800Plus	180	97.386	1.9	0.17
ABX Micros/Minos/ABC VET	164	87.257	2.9	0.25
Sysmex KX 21	156	83.153	2.6	0.22
Horiba ABX Pentra 60/80/XLR	146	84.859	2.0	0.18
Mindray BC 5100/5180/5300/5380/5390	116	95.090	2.9	0.32
Nihon Kohden Celltac E/Es	84	92.302	2.2	0.27
Medonic M series/Swelab	82	86.649	2.3	0.28
Beckman Coulter Ac. T 5 series	81	84.245	1.5	0.17
Beckman Coulter LH700 Series	74	89.567	1.6	0.21
Mindray BC 5000/5150/5130/5140	65	94.470	1.6	0.24
ABX Pentra 120/Nexus Series	65	83.914	1.7	0.22



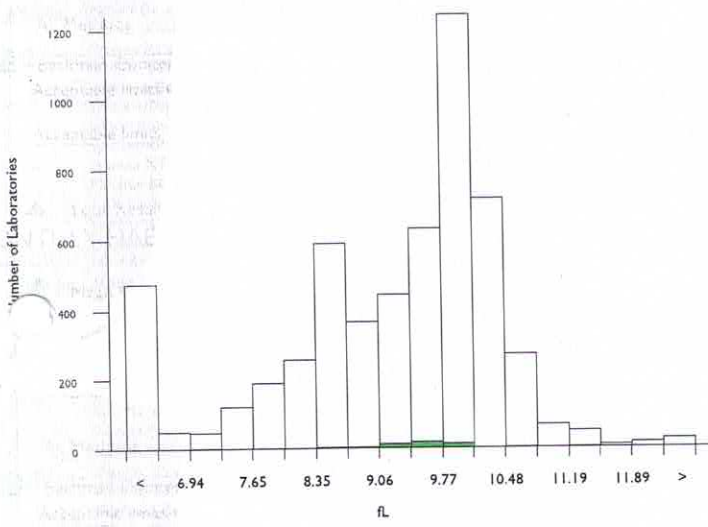
Mean Platelet Volume, fL

N Mean CV% U_m SDPA Exc.

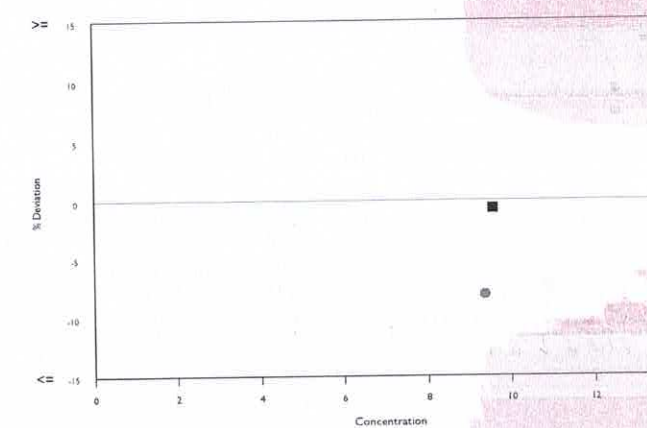
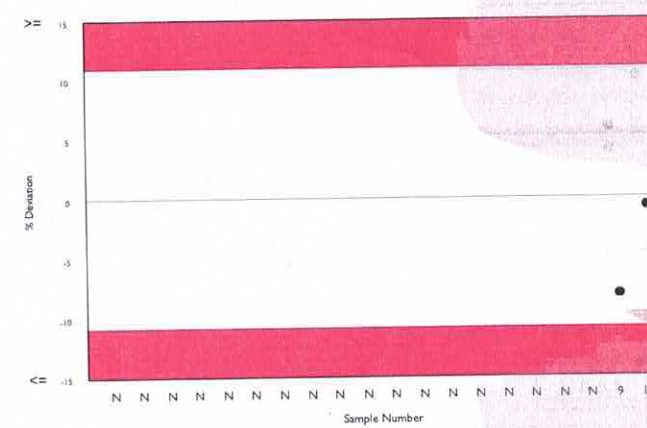
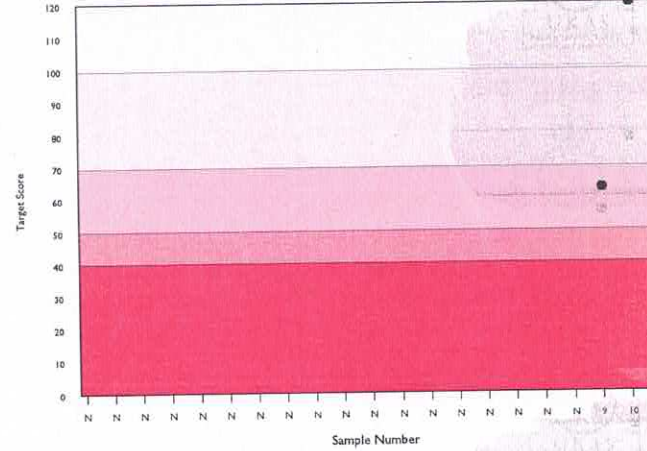
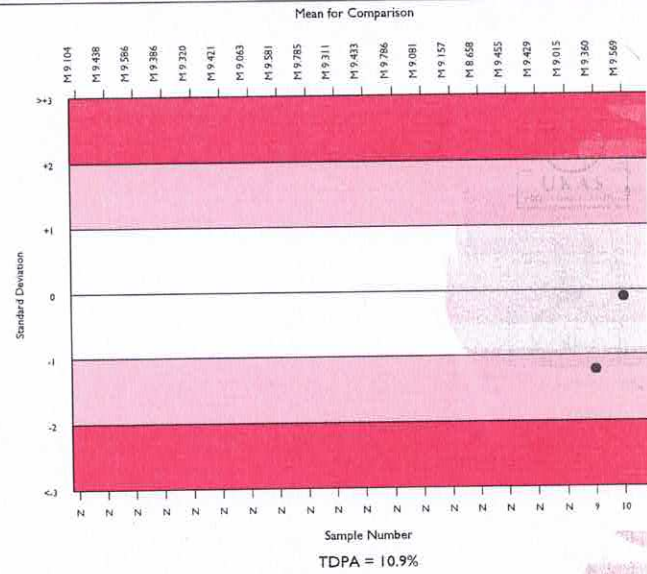
All Methods	5058	9.420	10.0	0.02	0.62	471
Beckman Coulter Ac. T 5 series	41	9.569	3.0	0.06	0.63	6

▲ Your Result	9.500	SDI	-0.11
		RMSDI	Too Few
■ Mean for Comparison	9.569	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 10.90%



Method	N	Mean	CV%	U_m
Sysmex XN Series	1026	10.058	2.2	0.01
Abbott Cell-Dyn Ruby	311	4.583	13.8	0.04
Mindray BC 1000/2000/3000 series	266	8.911	6.7	0.05
Beckman Coulter DxH 600/800/900 Series	256	8.595	2.6	0.02
Sysmex XS series	247	10.167	2.9	0.02
Sysmex XN-L Series (330/350/450/550)	248	10.045	2.4	0.02
Nihon Kohden Celltac Alpha	242	8.122	8.8	0.06
Sysmex XP Series	214	9.619	3.1	0.03
Sysmex XT series	221	9.759	2.8	0.02
Siemens/Bayer Advia 120/2120	210	10.525	5.5	0.05
Mindray BC-6000/6200/6600/6800/6800Plus	155	10.279	3.4	0.04
Sysmex KX 21	124	9.492	2.9	0.03
ABX Micros/Minos/ABC VET	126	8.325	5.6	0.05
Horiba ABX Pentra 60/80/XLR	113	9.339	4.6	0.05
Mindray BC 5100/5180/5300/5380/5390	96	8.931	3.4	0.04
Medonic M series/Swelab	71	8.489	3.9	0.05
Nihon Kohden Celltac E/Es	63	7.443	5.4	0.06
Mindray BC 5000/5150/5130/5140	61	10.167	2.9	0.05
Beckman Coulter LH700 Series	55	8.451	3.3	0.05
ABX Pentra 120/Nexus Series	55	9.489	3.5	0.06
Human Humacount Series	48	8.338	7.7	0.12



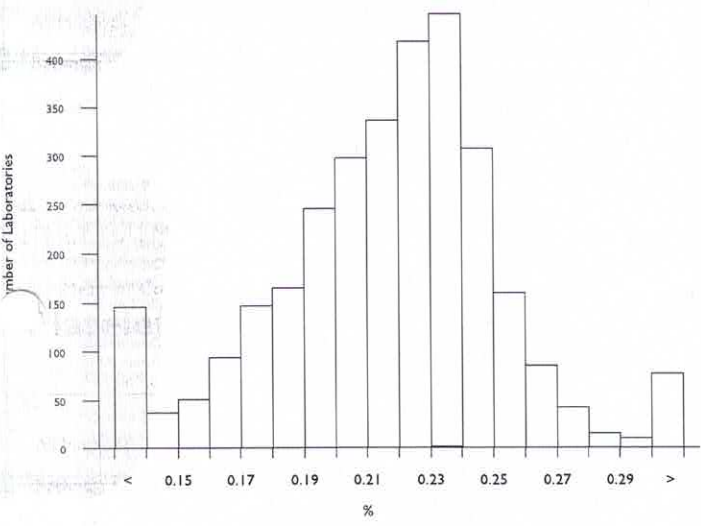
Plateletcrit, %

	N	Mean	CV%	U _m	SDPA	Exc.
All Methods	2792	0.222	12.2	0.00	0.03	284
Beckman Coulter Ac. T 5 series	1	0.241	0.0	0.00	N/A	0

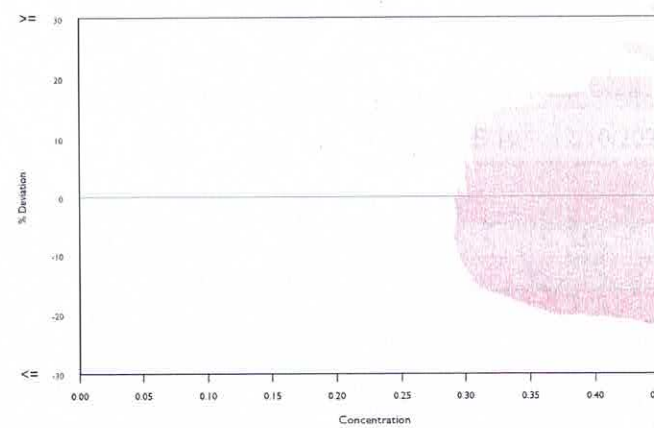
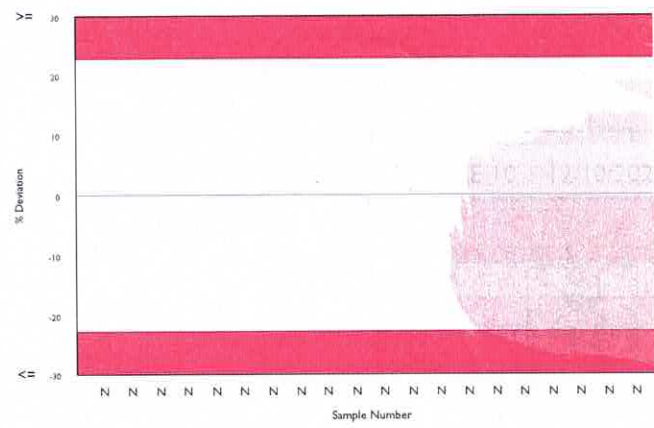
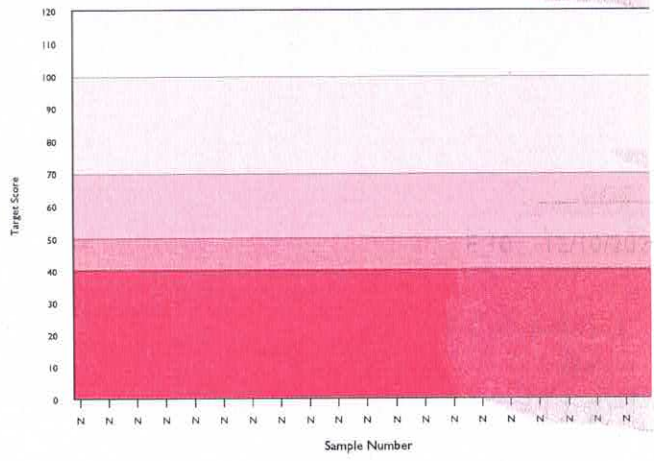
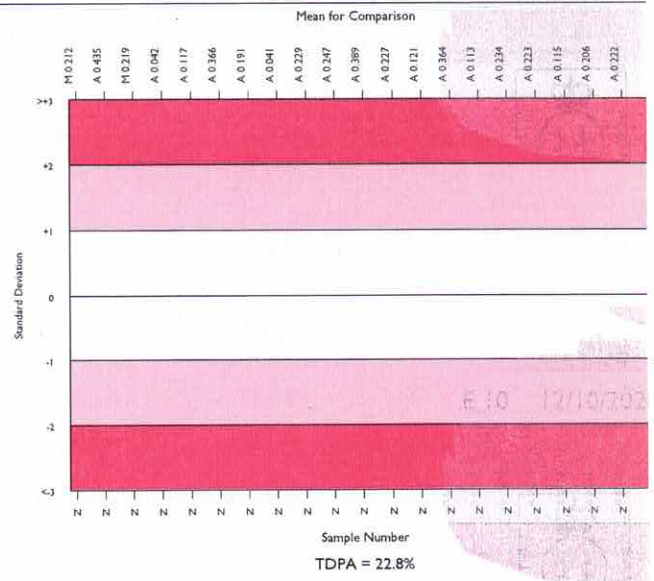
Legend	Value	SDI	RMST	TS	RM%DEV
▲ Your Result	No Result	RMST	Too Few		
□ Mean for Comparison	0.222	TS	Too Few		
		%DEV	Too Few		
		RM%DEV	Too Few		

Acceptable limits derived from Biological Variation: N/A

Acceptable limits of performance for RIQAS: 22.80%



Method	N	Mean	CV%	U _m
Sysmex XN Series	501	0.236	5.0	0.00
Mindray BC 1000/2000/3000 series	229	0.212	9.3	0.00
Nihon Kohden Celltac Alpha	209	0.184	11.9	0.00
Sysmex XS series	147	0.237	6.1	0.00
Sysmex XT series	142	0.229	6.0	0.00
Sysmex XP Series	135	0.249	7.1	0.00
Mindray BC-6000/6200/6600/6800/6800Plus	113	0.252	5.4	0.00
Sysmex XN-L Series (330/350/450/550)	104	0.237	7.0	0.00
Abbott Cell-Dyn Ruby	87	0.120	29.1	0.00
Siemens/Bayer Advia 120/2120	83	0.225	7.5	0.00
ABX Micros/Minos/ABC VET	82	0.193	10.7	0.00
Mindray BC 5100/5180/5300/5380/5390	71	0.216	6.3	0.00
Beckman Coulter DxH 600/800/900 Series	74	0.208	3.7	0.00
Medonic M series/Swelab	63	0.191	8.3	0.00
Nihon Kohden Celltac E/Es	57	0.179	7.7	0.00
Mindray BC 5000/5150/5130/5140	54	0.245	6.9	0.00
Horiba ABX Pentra 60/80/XLR	45	0.226	6.5	0.00
Human Humacount Series	44	0.196	12.5	0.00
ABX Pentra 120/Nexus Series	39	0.235	5.1	0.00
Erba Lachema Elite series	31	0.200	10.8	0.00
Mindray BC 5600/5800	28	0.215	7.6	0.00



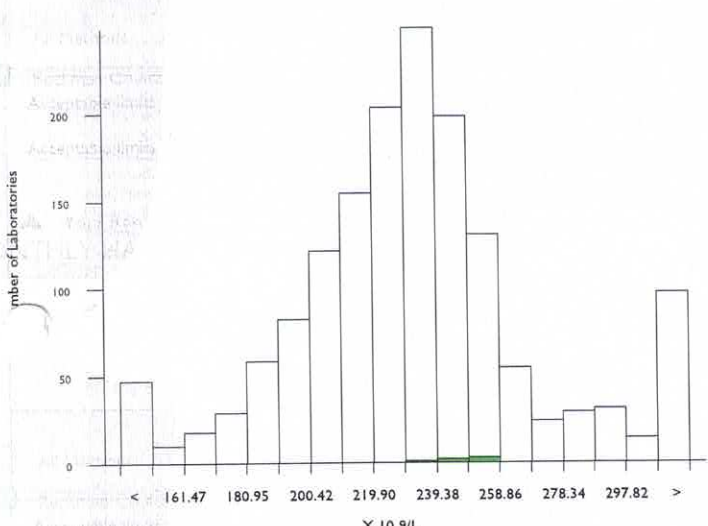
Platelets (Optical Count), X 10⁹/L

N Mean CV% U_m SDPA Exc.

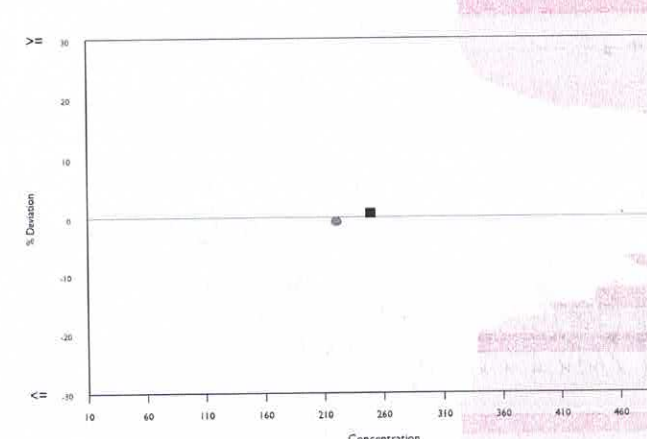
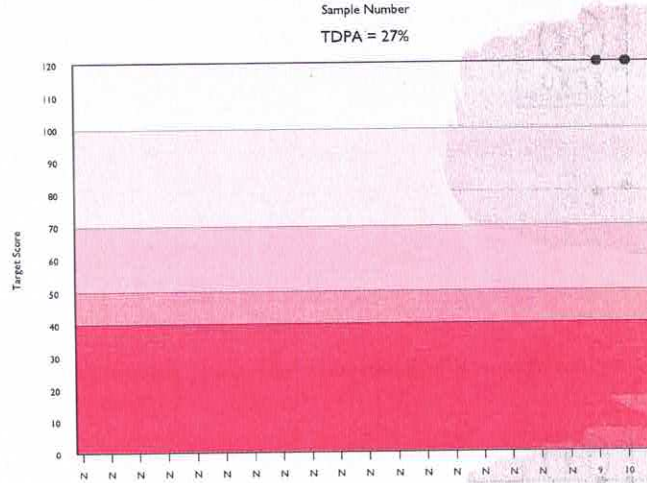
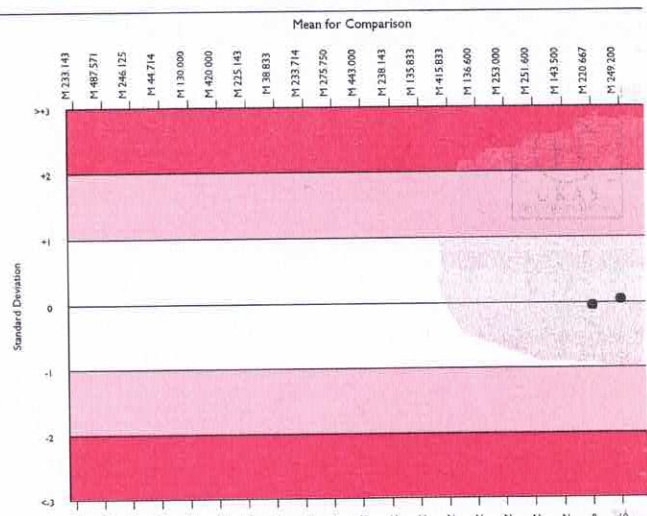
All Methods	1388	229.648	11.3	0.87	37.70	160
Beckman Coulter Ac. T 5 series	5	249.200	1.0	1.39	40.91	1

▲ Your Result	251.000	SDI	0.04
		RMSDI	Too Few
■ Mean for Comparison	249.200	TS	120
		RMETS	Too Few
		%DEV	0.7
		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	393	247.689	14.1	2.20
Siemens/Bayer Advia 120/2120	293	210.822	8.4	1.29
Manual Methods	259	219.494	10.8	1.85
Sysmex XN Series	85	255.341	10.0	3.48
Abbott Cell-Dyn 3200	48	225.585	8.4	3.44
Sysmex XT Series	42	234.179	6.0	2.72
Sysmex XN-L Series (330/350/450/550)	36	237.944	5.4	2.66
Abbott Alinity hq	36	229.444	4.3	2.04
Sysmex XS Series	33	233.039	4.5	2.30
Beckman Coulter DxH 600/800/900 Series	28	240.832	3.3	1.89
Mindray BC-6000/6200/6600/6800/6800Plus	26	235.000	10.3	5.96
Sysmex KX21	20	242.450	4.9	3.30
Abbott Cell-Dyn Sapphire	19	232.368	6.7	4.49
Horiba ABX Pentra 60/80/XLR	10	256.100	10.9	11.01
Horiba Yumizen H500/ 550	7	251.143	3.0	3.52
Sysmex XE-2100	7	245.571	8.9	10.29
Beckman Coulter Ac. T 5 series	5	249.200	1.0	1.39
Beckman Coulter DxH 500 Series	6	255.067	6.6	8.61
ABX Micros/Minos/ABC VET	6	213.633	14.6	15.87
ABX Pentra 120/Nexus Series	5	244.400	3.8	5.16
Sysmex XE-5000	5	253.600	4.3	6.07



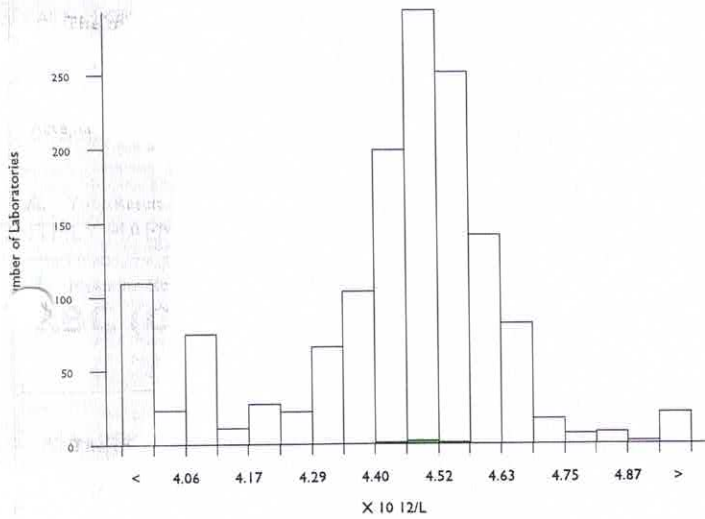
RBC (Optical Count), X 10¹²/L

	N	Mean	CV%	U _m	SDPA	Exc.
All Methods	1313	4.467	3.4	0.01	0.15	140
Beckman Coulter Ac. T 5 series	4	4.493	0.9	0.03	0.15	0

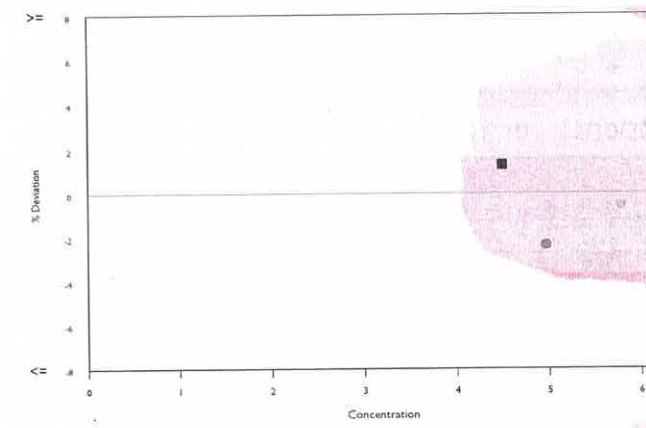
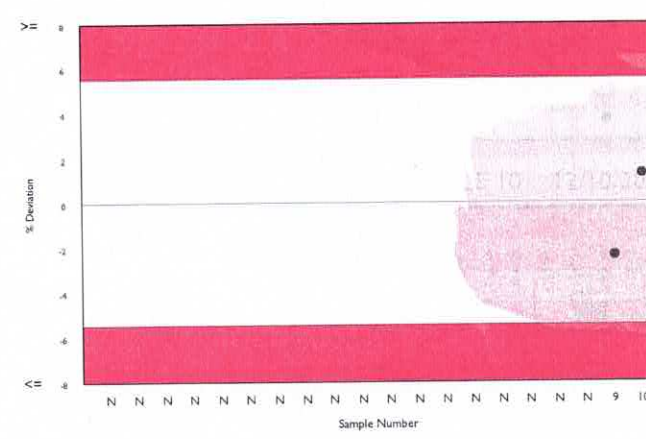
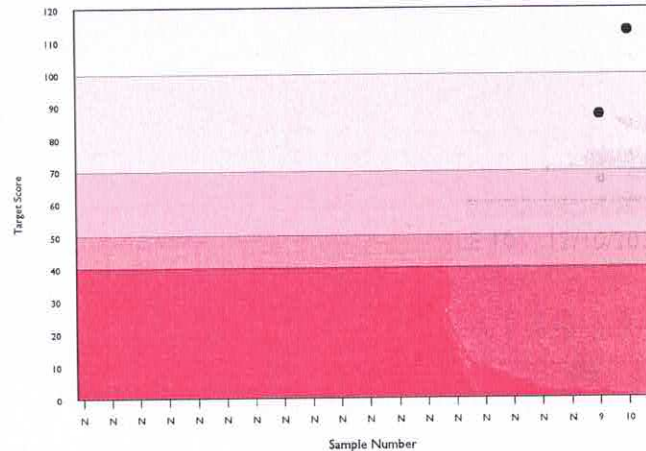
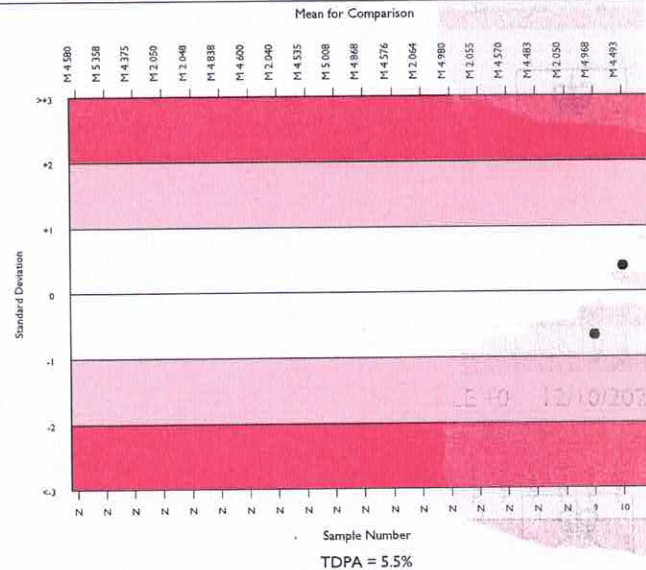
▲ Your Result	4.550	SDI	0.38
		RMSDI	Too Few
■ Mean for Comparison	4.493	TS	113
		RMTS	Too Few
		%DEV	1.3
		RM%DEV	Too Few

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	405	4.521	2.0	0.01
Siemens/Bayer Advia 120/2120	296	4.506	2.1	0.01
Manual Methods	219	4.066	3.8	0.01
Sysmex XN Series	108	4.506	1.7	0.01
Abbott Cell-Dyn 3200	49	4.518	1.9	0.02
Sysmex XT Series	41	4.494	1.9	0.02
Abbott Allinity hq	37	4.556	1.4	0.01
Sysmex XS Series	35	4.485	1.1	0.01
Beckman Coulter DxH 600/800/900 Series	28	4.441	1.2	0.01
Sysmex KX21	24	4.453	1.0	0.01
Mindray BC-6000/6200/6600/6800/6800Plus	16	4.505	1.5	0.02
Abbott Cell-Dyn Sapphire	11	4.507	2.7	0.05
Horiba ABX Pentra 60/80/XLR	12	4.512	2.2	0.04
Horiba Yumizen H500/ 550	7	4.483	1.2	0.02
Beckman Coulter DxH 500 Series	5	4.556	1.1	0.03
ABX Micros/Minos/ABC VET	6	4.392	3.3	0.07
ABX Pentra 120/Nexus Series	5	4.618	2.0	0.05
Sysmex XE-2100	6	4.407	2.5	0.06
Beckman Coulter Ac. T 5 series	4	4.493	0.9	0.03
Beckman Coulter LH700 Series	3	4.563	0.1	0.00
Abbott Cell-Dyn 3700	2	4.580	0.6	0.02



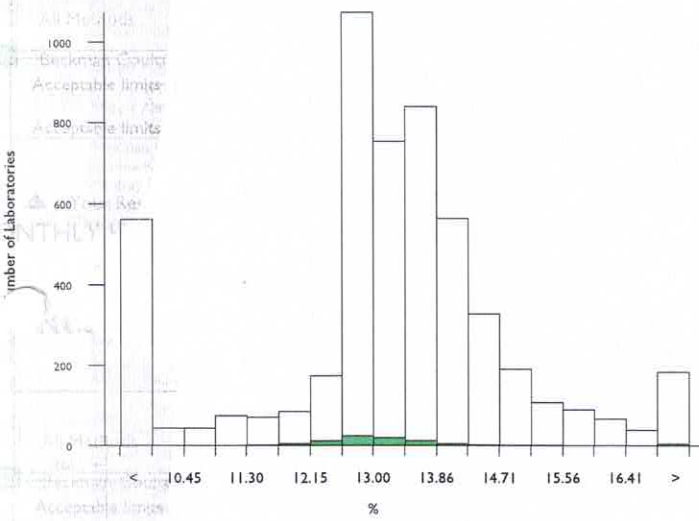
Red Cell Dist. Width CV, %

	N	Mean	CV%	U _m	SDPA	Exc.
All Methods	4598	13.434	8.5	0.02	0.71	683
Beckman Coulter Ac. T 5 series	73	13.034	3.8	0.07	0.69	10

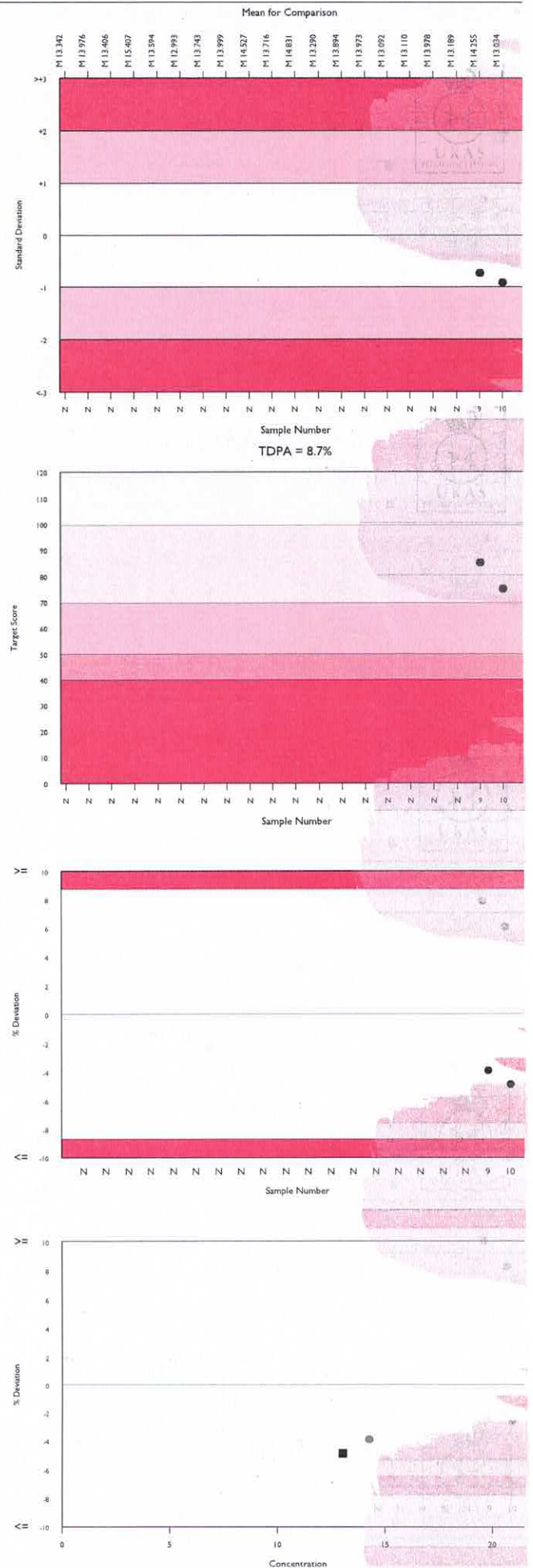
▲ Your Result	12.400	SDI	-0.92
		RMSDI	Too Few
■ Mean for Comparison	13.034	TS	75
		RMTS	Too Few
		%DEV	-4.9
		RM%DEV	Too Few

Acceptable limits derived from Biological Variation: N/A

Acceptable limits of performance for RIQAS: 8.70%



Method	N	Mean	CV%	U _m
Sysmex XN Series	1057	13.105	3.1	0.02
Abbott Cell-Dyn Ruby	291	9.404	11.3	0.08
Sysmex XS series	243	13.543	2.5	0.03
Sysmex XN-L Series (330/350/450/550)	229	13.231	6.7	0.07
Beckman Coulter DxH 600/800/900 Series	232	13.926	1.8	0.02
Nihon Kohden Celltac Alpha	226	13.883	4.6	0.05
Mindray BC 1000/2000/3000 series	224	13.372	3.9	0.04
Sysmex XT series	201	13.534	2.3	0.03
Siemens/Bayer Advia 120/2120	217	14.415	6.0	0.07
Sysmex XP Series	193	8.738	8.6	0.07
Mindray BC-6000/6200/6600/6800/6800Plus	151	13.774	1.4	0.02
Horiba ABX Pentra 60/80/XLR	108	13.098	6.6	0.10
Sysmex KX 21	84	8.876	7.4	0.09
Mindray BC 5100/5180/5300/5380/5390	94	13.344	3.7	0.06
ABX Micros/Minos/ABC VET	80	12.318	5.7	0.10
Beckman Coulter Ac. T 5 series	73	13.034	3.8	0.07
Nihon Kohden Celltac E/Es	67	15.567	5.8	0.14
Mindray BC 5000/5150/5130/5140	56	15.076	2.0	0.05
Beckman Coulter LH700 Series	60	14.033	1.9	0.04
Medonic M series/Swelab	56	11.767	7.7	0.15
ABX Pentra 120/Nexus Series	45	14.719	3.7	0.10

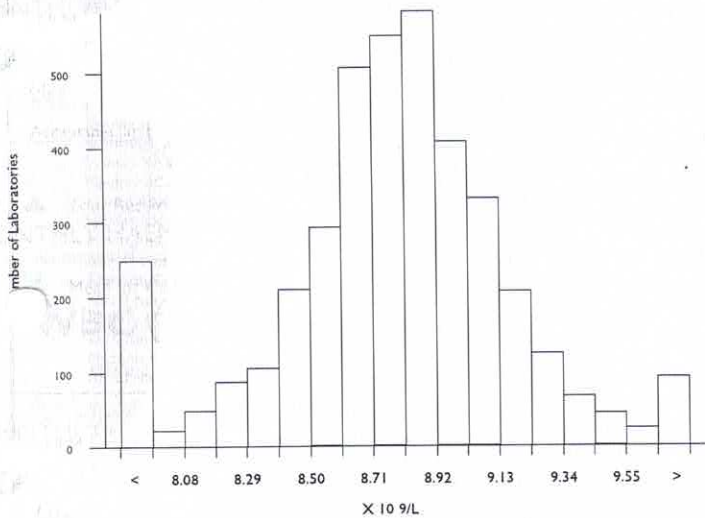


WBC (Optical Count), X 10⁹/L

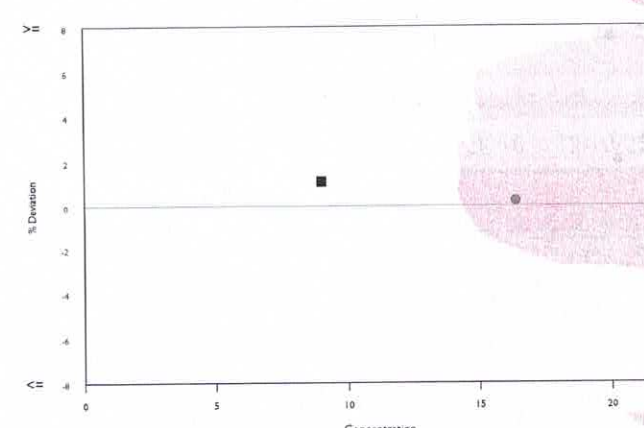
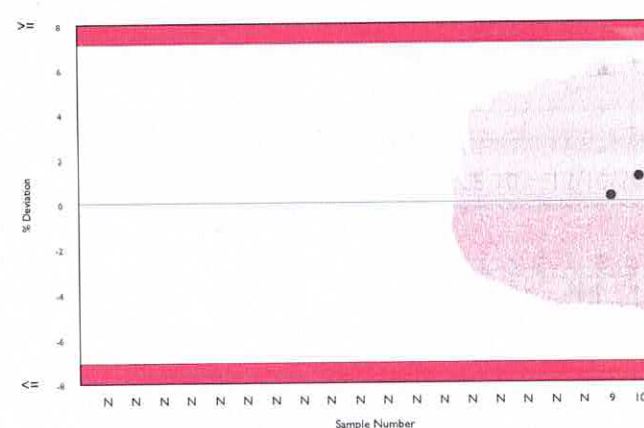
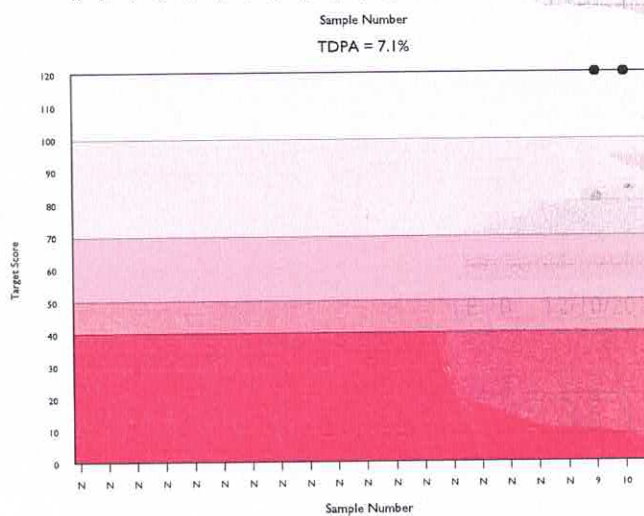
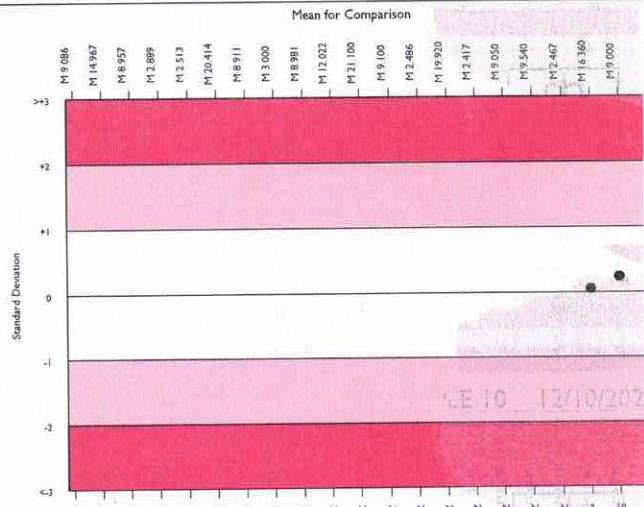
	N	Mean	CV%	U _m	SDPA	Exc.
All Methods	3570	8.817	3.2	0.01	0.38	371
Beckman Coulter Ac. T 5 series	5	9.000	3.8	0.19	0.43a	0

▲ Your Result	9.100	SDI	0.23
		RMSDI	Too Few
■ Mean for Comparison	9.000	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 7.10%



Method	N	Mean	CV%	U _m
Sysmex XN Series	1160	8.778	2.2	0.01
Abbott Cell-Dyn Ruby	404	8.954	2.5	0.01
Manual methods	293	8.724	7.1	0.05
Sysmex XS Series	305	8.976	2.6	0.02
Siemens/Bayer Advia 120/2120	291	8.547	3.3	0.02
Sysmex XT Series	261	8.938	2.4	0.02
Sysmex XN-L Series (330/350/450/550)	233	8.943	2.2	0.02
Mindray BC-6000/6200/6600/6800/6800Plus	181	8.622	2.2	0.02
Mindray BC 5000/5150/5130/5140	66	8.746	2.7	0.04
Abbott Cell-Dyn 3200	48	9.055	3.0	0.05
Mindray BC 5600/5800	46	8.907	2.9	0.05
Abbott Alinity hq	37	8.794	2.6	0.05
Beckman Coulter DxH 600/800/900 Series	33	8.980	1.9	0.04
Sysmex XE-2100	32	8.577	3.7	0.07
Sysmex KX21	24	8.678	2.9	0.06
ABX Pentra 120/Nexus Series	21	8.928	4.9	0.12
Abbott Cell-Dyn Sapphire	19	9.022	2.3	0.06
Horiba ABX Pentra 60/80/XLR	14	8.743	4.9	0.14
Sysmex XE-5000	11	8.454	2.2	0.07
ABX Micros/Minos/ABC VET	11	8.714	2.4	0.08
Horiba Yumizen H500/550	10	8.281	4.1	0.14



Analyte	Mean for Comparison	Your Result	SDI	RMSDI	%DEV	RM%DEV	TS	RMTS	Performance
Haemoglobin	13.812	13.900	0.26	Too Few	0.6	Too Few	120	Too Few	
Hematocrit (HCT)	37.969	38.400	0.31	Too Few	1.1	Too Few	120	Too Few	
HbA1c	30.770	30.500	-0.24	Too Few	-0.9	Too Few	120	Too Few	
HbA1c	36.404	36.100	-0.19	Too Few	-0.8	Too Few	120	Too Few	
WBC	84.245	84.000	-0.08	Too Few	-0.3	Too Few	120	Too Few	
Mean Platelet Volume	9.569	9.500	-0.11	Too Few	-0.7	Too Few	120	Too Few	
Plateletcrit	0.222	No Result		Too Few		Too Few		Too Few	
Platelets (Optical Count)	249.200	251.000	0.04	Too Few	0.7	Too Few	120	Too Few	
RDW-C (Optical Count)	4.493	4.550	0.38	Too Few	1.3	Too Few	113	Too Few	
Cell Dist. Width CV	13.034	12.400	-0.92	Too Few	-4.9	Too Few	75	Too Few	
RDW-C (Optical Count)	9.000	9.100	0.23	Too Few	1.1	Too Few	120	Too Few	

ORMSDI N/A

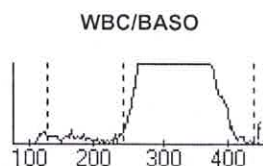
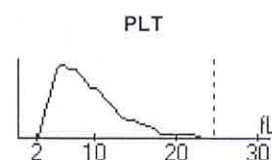
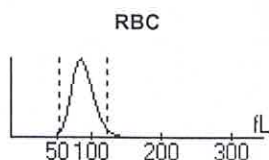
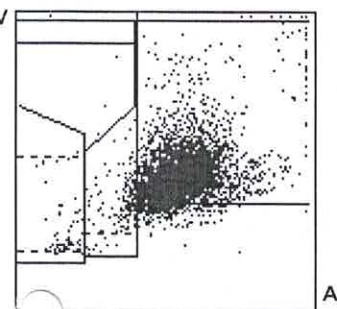
ORM%DEV N/A

ORMTS N/A

Sample ID sample 10/13 Run Date/Time 08/10/2020 17:24:12 Collect Date/Time
 Cass. Pos. Flagging Set Proteus Standard Panel CBC/DIFF Rerun No
 Location Physician Operator Supervisor
 Patient ID
 Last Name Date of Birth Age Gender Unknown
 First Name
 Patient Comment

Range		Range		Flags and Messages
WBC	9.1	10 ³ /μL	4.0 / 11.0	Analytical Messages DB BASO+ Interpretive Messages Lymphopenia Neutropenia Eosinophilia Cold Agglutinin
RBC	4.55	10 ⁶ /μL	4.00 / 6.20	
HGB	13.9	g/dL	11.0 / 18.8	
HCT	38.4	%	35.0 / 55.0	
MCV	84	fL	80 / 100	
MCH	30.5	pg	26.0 / 34.0	
MCHC	36.1HH	g/dL	31.0 / 35.0	
RI	12.4	%	10.0 / 20.0	
PLT	251	10 ³ /μL	150 / 400	
MPV	9.5	fL	6.0 / 10.0	
NE	3.0LL	%	50.0 / 80.0	
LY	1.4LL	%	25.0 / 50.0	
MO	0.1LL	%	2.0 / 10.0	
EO	95.6HH	%	0.0 / 5.0	
BA	%	0.0 / 2.0	
NE#	0.27LL	10 ³ /μL	2.00 / 8.00	
LY#	0.12LL	10 ³ /μL	1.00 / 5.00	
MO#	0.01L	10 ³ /μL	0.10 / 1.00	
EO#	8.71HH	10 ³ /μL	0.00 / 0.40	
BA#	10 ³ /μL	0.00 / 0.20	

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 6742	WBC2 6537	LY# 66	SL 23	FNL 5	WBC 6466
	RBC1 24569	RBC2 24789	MO# 3	ATL 0	FMN 1	RA# 5757
	HCT1 1855729	HCT2 1838027	NE# 144	UM 0	FNE 30	DIFF# 4868
	PLT1 18574	PLT2 18564	EO# 4655	LN 17	UN 0	CO% 98.1
	HGBB 3831	HGBM 1981	DB 753	C127 24	IMM 24	

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

RAW DATA REPORT FOR INVESTIGATIONAL USE ONLY