



CUSTOMER SUPPORT CALL

www.beckmancoulter.com

ACCOUNT PROTEUS LABORATORIES CC 18069 NGUNGUNYANE STR T/A JG KUBHEKA LABORATORIES CC SPRINGS GAUTENG 1576	MODEL AcT 5diff AL	SERIAL NUMBER AX26057	ID NUMBER 13594988
CUSTOMER CONTACT JABU KUBHEKA 11-7372518	PURCHASE ORDER PL000085	PROPERTY NUMBER	
AGREEMENT TYPE Warranty	AGREEMENT NUMBER 9494173	EFFECTIVE DATES 13-AUG-2015 To 12-AUG-2016	
SERVICE REQUEST NUMBER 24998457	REQUEST DATE 16-JUL-2015	CALL COMPLETE DATE 13-AUG-2015	

PERFORMED BY
Alex Lope
T3 - Field Technical Service

DESCRIPTION OF WORK PERFORMED

PROBLEM: 1075101 - Installation Process @ JG KUBHEKA SPRINGS

SOLUTION:

SYSTEM VALIDATION: For Medical Devices - Regulatory requirements call for a final validation of instrument repair and system readiness. The final validation of instrument repair and system readiness can only be obtained through a successful QC run using the laboratory's quality control system. This repair record and the laboratory's quality control records comprise the quality documents associated with this instrument repair. Copies of these records may be required by Beckman Coulter or regulatory authorities to complete technical investigations or quality audits. We appreciate your cooperation if requested to provide copies of your QC data related to this repair.

DATE	DESCRIPTION	TYPE	HOURS	RATE	EXTENDED AMOUNT	CUSTOMER CHARGE
11-AUG-2015	09-De-Installation	LABOR	10.00	R 895.00	R 8,950.00	R 0.00
12-AUG-2015	09-De-Installation	LABOR	10.50	R 895.00	R 9,397.50	R 0.00
13-AUG-2015	09-De-Installation	LABOR	2.00	R 895.00	R 1,790.00	R 0.00
13-AUG-2015	09-De-Installation	TRAVEL	6.00	R 895.00	R 5,370.00	R 0.00
LABOR/TRAVEL TOTAL					R 25,507.50	R 0.00

PART NUMBER	PART DESCRIPTION	QTY	PRICE	EXTENDED AMOUNT	CUSTOMER CHARGE
LAD002DS	Tool, LTX RBC/PLA (2 x 2 mL)	1	R 10,374.00	R 10,374.00	R 0.00
XEA616BS	KIT, FLOWCELL INJECTOR TUBE	1	R 1,195.00	R 1,195.00	R 0.00
883371	LUBRICANT, TRI-FLOW., 2 OZ., SQUEEZE BOTTLE, 12/CS., PTFE., CLR LIQ	1	R 317.20	R 317.20	R 0.00
PARTS TOTAL				R 11,886.20	R 0.00
TOTAL CHARGE				R 37,393.70	R 0.00

CUSTOMER SIGNATURE

Total is an estimate only and does not include applicable sales tax and shipping charges.

Customer Care

From: Customer Care <customercare@proteuslab.co.za>
Sent: 23 March 2021 18:07
To: 'BEC BZA Customer Support EMEAI'
Cc: 'BEC BZA Immuno Chemistry EMEAI'
Subject: RE: JOB CARD

Hi Silindile

Could we also get the qc & calibration records for each analyser supplied by your engineers. We never kept them.

Thank you

From: BEC BZA Customer Support EMEAI [mailto:CustomerSupport.BZA@beckman.com]
Sent: 23 March 2021 16:27
To: Customer Care <customercare@proteuslab.co.za>
Cc: BEC BZA Immuno Chemistry EMEAI <icsa@beckman.com>
Subject: RE: JOB CARD

Good day Gugu

Kindly see attached as per requested for the below analyzers

Please **keep them safe** since our system has changed and we may not be able to retrieve them in future

Access2 – 502186
AU480 – 2012121907
ACT5 – AX26057
Aquios – AW32038

Regards
Silindile

From: BEC BZA Immuno Chemistry EMEAI [mailto:icsa@beckman.com]
Sent: 19 March 2021 14:34
To: Customer Care <customercare@proteuslab.co.za>
Subject: RE: JOB CARD

Good day Gugu,

Please see attached.

Kind regards,

Zandile Madonsela

SENIOR SPECIALIST CUSTOMER TECHNICAL SUPPORT CHEMISTRY & IMMUNOCHEMISTRY

Office: +27 11 564 3000

www.beckmancoulter.com | icsa@beckman.com

Beckman Coulter Stand1A Growthpoint Business Park Tonnetti Street Halfway house 1685



Proteus Laboratory

Equipment/IQC Action Log

Name: ACTSAL

SIN: AX06057

Date	Problem	Action Taken	Resolved (Y/N)	Sign
1 Jan 2021	No calibration, 10L records from initial installation			
	Action: →	requested records from Beckman	Awaiting response	Ⓟ
	→	Does not affect current workflow		

QC - records available



CUSTOMER SUPPORT CALL
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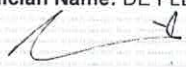
ACCOUNT	MODEL	SERIAL NUMBER	ID NUMBER
PROTEUS LABORATORIES CC 18069 NGUNGUNYANE STR SPRINGS, GAUTENG 1576	AcT 5diff AL	AX26057	13594988
CUSTOMER CONTACT	PURCHASE ORDER	PROPERTY NUMBER	
JABU KUBHEKA 27-11-7372518 jabu@proteuslab.co.za			
AGREEMENT TYPE	AGREEMENT NUMBER	EFFECTIVE DATES	
XG 8x5	S2354ZA R01-MAR-20 10:00:26-1-XG AcT 5diff AL Service Contract	01-Jul-2020 to 30-Jun-2021	
CASE NUMBER	CREATED DATE/TIME		
CA-02298636	02-Jul-2020 09:42		
WORK ORDER NUMBER	COMPLETION DATE	PERFORMED BY	INSTRUMENT CONDITION
WO-02137345	23-Dec-2020 15:00	DE FLEURIOT DE LA COLINIÈRE, MARC	Operational

SUMMARY OF WORK PERFORMED	
Reported Problem	PM C
Symptom Summary	PM Service required
Problem Summary	PM Service required
Resolution Summary	Replaced all the tubing around the water bath and ok. Replaced all tubing around Reagent syringe and ok. Replaced al O-rings andok. Check vacuum and sensor voltage and ok. Replaced VL 12
Verification of Activity	Ran Start up and ok. Ran Repro and ok. Ran latex and ok. Ran QC and ok. Customer to monitor and calibrate if required

SYSTEM VALIDATION: For Medical Devices - Regulatory requirements call for a final validation of instrument repair and system readiness. The final validation of instrument repair and system readiness can only be obtained through a successful QC run using the laboratory's quality control system. This repair record and the laboratory's quality control records comprise the quality documents associated with this instrument repair. Copies of these records may be required by Beckman Coulter or regulatory authorities to complete technical investigations or quality audits. We appreciate your cooperation if requested to provide copies of your QC data related to this repair.

START DATE	END DATE	DESCRIPTION	HOURS	RATE	TOTAL LINE PRICE	CUSTOMER CHARGE
23-Dec-2020 07:30	23-Dec-2020 08:30	SERVICE TRAVEL	1	1,024.00 ZAR	1,024.00 ZAR	0.00 ZAR
23-Dec-2020 08:30	23-Dec-2020 15:00	SERVICE LABOR	6.5	985.00 ZAR	6,402.50 ZAR	0.00 ZAR
23-Dec-2020 15:00	23-Dec-2020 16:00	SERVICE TRAVEL	1	1,024.00 ZAR	1,024.00 ZAR	0.00 ZAR
LABOR/TRAVEL TOTAL					8,450.50 ZAR	0.00 ZAR

PART NUMBER	PART DESCRIPTION	QTY	PRICE	TOTAL LINE PRICE	CUSTOMER CHARGE
EAE008AS	TUBING TYGON 2.06MM (0.081)	2	1,274.00 ZAR	2,548.00 ZAR	0.00 ZAR
XDB136A	Valve Liq 3 Ways W/O Coil	1	3,562.00 ZAR	3,562.00 ZAR	0.00 ZAR
XEC236AS	KIT MAINT.6 MONTHS P60/P80/PXL	1	3,474.00 ZAR	3,474.00 ZAR	0.00 ZAR

PART NUMBER	PART DESCRIPTION	QTY	PRICE	TOTAL LINE PRICE	CUSTOMER CHARGE
1300033036	KIT MAINTENANCE 1 YEAR P60/P80	1	5,096.00 ZAR	5,096.00 ZAR	0.00 ZAR
PARTS/EXPENSES TOTAL				14,680.00 ZAR	0.00 ZAR
TOTAL CHARGE				23,130.50 ZAR	0.00 ZAR
Customer Call Originator: JABU KUBHEKA Name of Person Signing Service Report: 			Technician Name: DE FLEURIOT DE LA COLINIÈRE, MARC 		
Customer Signature			Technician Signature		

Total is an estimate only and does not include applicable sales tax and shipping charges.

Gain Adjustment

DIFF Adjustment

Aperture Current

Pulse Adjustment

After service records

HGB Blank Adjustment

HGB Blank Adjustment

Volts



RBC/PLT Gain

WBC Gain



Gain Adjustment

DIFF Adjustment

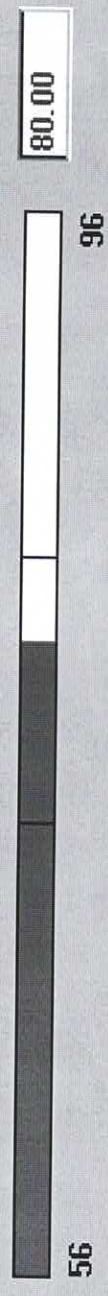
Aperture Current

Pulse Adjustment

HGB Blank Adjustment

RBC/PLT Gain

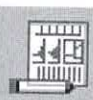
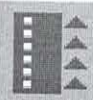
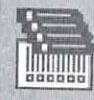
RBC Gain



PLT Gain



WBC Gain



Gain Adjustment

DIFF Adjustment

Aperture Current

Pulse Adjustment

HGB Blank Adjustment

RBC/PLT Gain

WBC Gain

WBC Gain

105.00

57

156



Gain Adjustment

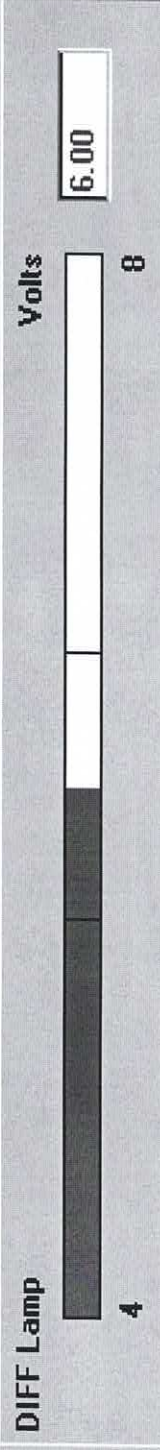
DIFF Adjustment

Aperture Current

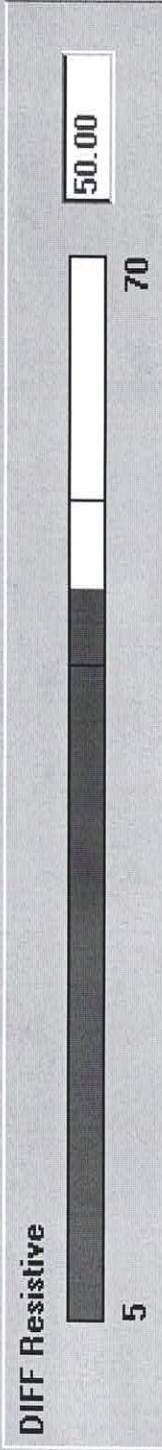
Pulse Adjustment

Run DIFF Adjustment

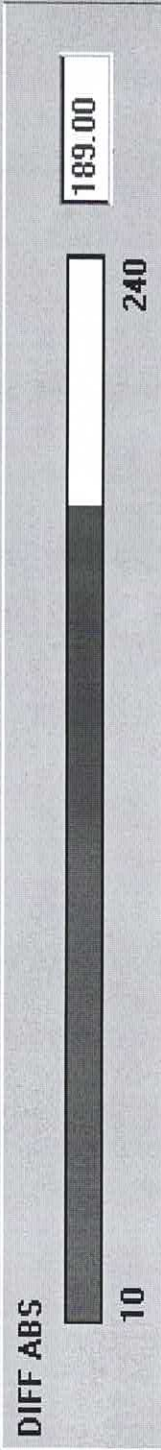
DIFF Lamp



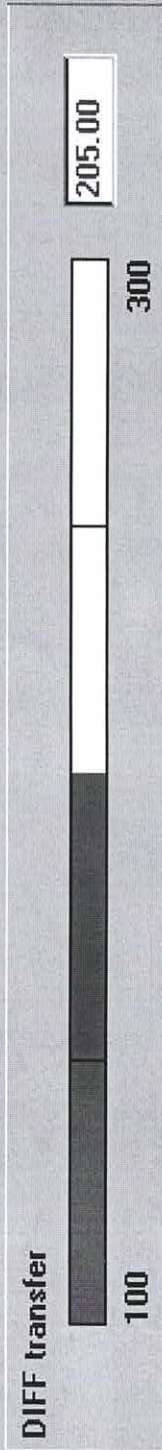
DC Channel



Absorbance Channel



Transfer Time



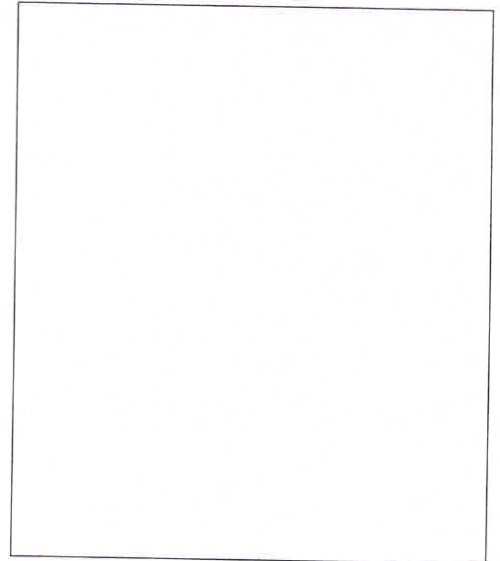
Background

Sample ID BACKGROUND	Run Date/Time 23/12/2020 13:06:27	Operator Service	Status Startup Passed
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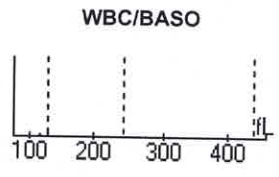
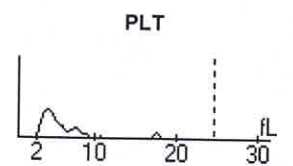
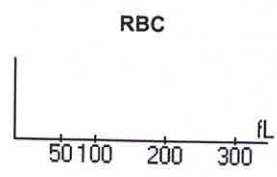
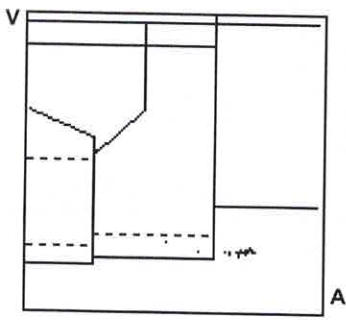
Range

WBC	0.0	<= 0.3
RBC	0.00*	<= 0.03
HGB	0.0*	<= 0.3
PLT	0*	<= 7.0

Flags and Messages



Comments



Flowcell WBC	0.06	<= 0.3
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Raw Data	WBC1 78	WBC2 27	LY# 0	SL 0	FNL 0	WBC 48
	RBC1 5	RBC2 6	MO# 0	ATL 0	FMN 0	RA# 47
	HCT1 710	HCT2 662	NE# 3	UM 0	FNE 0	DIFF# 3
	PLT1 31	PLT2 18	EO# 0	LN 2	UN 0	CO% 78.7
	HGBB 3783	HGBM 3790	DB 34	C127 0	IMM 0	

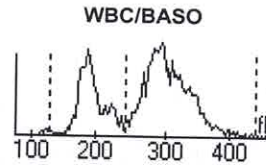
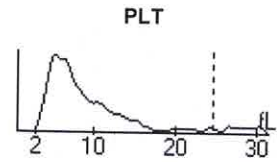
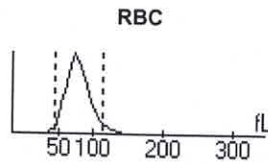
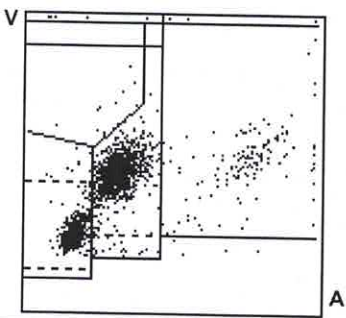
RAW DATA REPORT FOR INVESTIGATIONAL USE ONLY

Quality Control

Sample ID 361120	Control Name CONTROL 13	Expiration Date 05/01/2021	Modified on 18/12/2020
Run Date/Time 23/12/2020 14:24:59	Cass. / Pos. 5 4	Panel CBC/DIFF	Modified by Service
		Shift 0	

Range	Range	Flags and Messages																																							
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>WBC</td><td>2.3</td><td>2.0 / 2.8</td></tr> <tr><td>RBC</td><td>2.32</td><td>2.30 / 2.54</td></tr> <tr><td>HGB</td><td>6.5</td><td>6.1 / 6.9</td></tr> <tr><td>HCT</td><td>0.186</td><td>0.174 / 0.204</td></tr> <tr><td>MCV</td><td>80</td><td>73 / 83</td></tr> <tr><td>MCH</td><td>27.8</td><td>24.9 / 28.9</td></tr> <tr><td>MCHC</td><td>34.8</td><td>31.4 / 37.4</td></tr> <tr><td>RDW</td><td>13.7</td><td>10.5 / 18.5</td></tr> </table>	WBC	2.3	2.0 / 2.8	RBC	2.32	2.30 / 2.54	HGB	6.5	6.1 / 6.9	HCT	0.186	0.174 / 0.204	MCV	80	73 / 83	MCH	27.8	24.9 / 28.9	MCHC	34.8	31.4 / 37.4	RDW	13.7	10.5 / 18.5	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>NE</td><td>61.7</td><td>51.5 / 71.5</td></tr> <tr><td>LY</td><td>30.2</td><td>21.0 / 37.0</td></tr> <tr><td>MO</td><td>0.4</td><td>0.0 / 2.0</td></tr> <tr><td>EO</td><td>7.6</td><td>0.0 / 17.0</td></tr> <tr><td>BA</td><td>67.7S</td><td>59.0 / 77.0</td></tr> </table>	NE	61.7	51.5 / 71.5	LY	30.2	21.0 / 37.0	MO	0.4	0.0 / 2.0	EO	7.6	0.0 / 17.0	BA	67.7S	59.0 / 77.0	Analytical Messages BASO+
WBC	2.3	2.0 / 2.8																																							
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<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>PLT</td><td>57</td><td>46 / 86</td></tr> <tr><td>MPV</td><td>9.0</td><td>7.4 / 11.4</td></tr> </table>	PLT	57	46 / 86	MPV	9.0	7.4 / 11.4	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>NE#</td><td>1.44</td><td>1.24 / 1.72</td></tr> <tr><td>LY#</td><td>0.71</td><td>0.50 / 0.90</td></tr> <tr><td>MO#</td><td>0.01</td><td>0.00 / 0.04</td></tr> <tr><td>EO#</td><td>0.18</td><td>0.00 / 0.40</td></tr> <tr><td>BA#</td><td>1.58S</td><td>1.41 / 1.85</td></tr> </table>	NE#	1.44	1.24 / 1.72	LY#	0.71	0.50 / 0.90	MO#	0.01	0.00 / 0.04	EO#	0.18	0.00 / 0.40	BA#	1.58S	1.41 / 1.85																			
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BA#	1.58S	1.41 / 1.85																																							

Result Comment Analytical Error



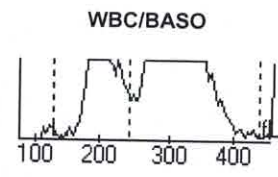
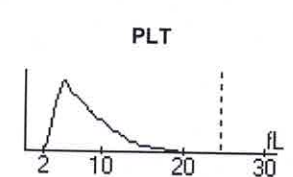
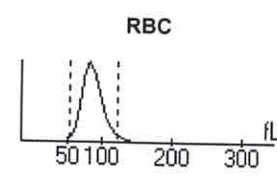
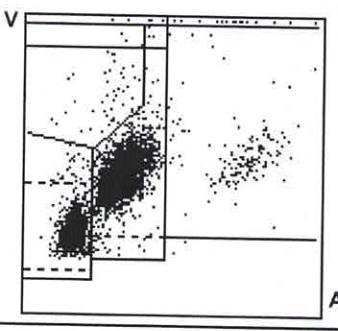
	Statistics						Number of analysis				8
	WBC	RBC	HGB	HCT	MCV	MCH	MCHC	RDW	PLT	MPV	
	NE	LY	MO	EO	BA	NE#	LY#	MO#	EO#	BA#	
Mean	2.5	2.49	6.5	0.2	79.36	26.45	33.25	13.88	75.74	9.17	
2SD	60.68	28.22	0.4	10.69	66.83	1.52	0.71	0.01	0.27	1.67	
CV%	0.4	0.64	0.24	0.03	5.56	5.89	5.59	1.27	31.78	0.43	
	2.0	2.3	0.13	3.93	1.37	0.22	0.12	0.00	0.12	0.27	
Lower Limits	8.05 H	12.88 H	1.86	8.72 H	3.5 H	11.12 H	8.4 H	4.56	20.98 H	2.35	
	1.65	4.08	15.59	18.37	1.02	7.2	8.28	17.59	22.0	8.19	
Target Values	2.0	2.30	6.1	0.174	73	24.9	31.4	10.5	46	7.4	
	51.5	21.0	0.0	0.0	59.0	1.24	0.50	0.00	0.00	1.41	
Upper Limits	2.4	2.42	6.5	0.189	78	26.9	34.4	14.5	66	9.4	
	61.5	29.0	1.0	8.5	68.0	1.48	0.70	0.02	0.20	1.63	
Delta Diff	2.8	2.54	6.9	0.204	83	28.9	37.4	18.5	86	11.4	
	71.5	37.0	2.0	17.0	77.0	1.72	0.90	0.04	0.40	1.85	
	0.1	0.07	0.0	0.008	1	0.4	1.1	0.6	10	0.2	
	0.8	0.8	0.6	2.2	1.2	0.04	0.01	0.01	0.07	0.04	

Quality Control

Sample ID 371120	Control Name CONTROL 14	Expiration Date 05/01/2021	Modified on 18/12/2020	Modified by Service
Run Date/Time 23/12/2020 14:24:13	Cass. / Pos. 5 3		Panel CBC/DIFF	Shift 0

Range	Range	Flags and Messages																																							
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>WBC</td><td>7.5</td><td>6.5 / 8.5</td></tr> <tr><td>RBC</td><td>4.49</td><td>4.45 / 4.75</td></tr> <tr><td>HGB</td><td>13.9</td><td>13.3 / 14.3</td></tr> <tr><td>HCT</td><td>0.380</td><td>0.371 / 0.411</td></tr> <tr><td>MCV</td><td>85</td><td>80 / 90</td></tr> <tr><td>MCH</td><td>30.9</td><td>28.0 / 32.0</td></tr> <tr><td>MCHC</td><td>36.5</td><td>32.3 / 38.3</td></tr> <tr><td>RDW</td><td>11.4</td><td>7.7 / 15.7</td></tr> </table>	WBC	7.5	6.5 / 8.5	RBC	4.49	4.45 / 4.75	HGB	13.9	13.3 / 14.3	HCT	0.380	0.371 / 0.411	MCV	85	80 / 90	MCH	30.9	28.0 / 32.0	MCHC	36.5	32.3 / 38.3	RDW	11.4	7.7 / 15.7	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>NE</td><td>65.6</td><td>55.0 / 75.0</td></tr> <tr><td>LY</td><td>29.9</td><td>21.5 / 37.5</td></tr> <tr><td>MO</td><td>0.9</td><td>0.0 / 3.0</td></tr> <tr><td>EO</td><td>3.6</td><td>0.0 / 8.0</td></tr> <tr><td>BA</td><td>69.6S</td><td>62.0 / 78.0</td></tr> </table>	NE	65.6	55.0 / 75.0	LY	29.9	21.5 / 37.5	MO	0.9	0.0 / 3.0	EO	3.6	0.0 / 8.0	BA	69.6S	62.0 / 78.0	<div style="border: 1px solid black; padding: 5px;"> Analytical Messages BASO+ </div>
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BA	69.6S	62.0 / 78.0																																							
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>PLT</td><td>261</td><td>223 / 283</td></tr> <tr><td>MPV</td><td>8.7</td><td>6.7 / 10.7</td></tr> </table>	PLT	261	223 / 283	MPV	8.7	6.7 / 10.7	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>NE#</td><td>4.91</td><td>4.13 / 5.63</td></tr> <tr><td>LY#</td><td>2.24</td><td>1.61 / 2.81</td></tr> <tr><td>MO#</td><td>0.07</td><td>0.00 / 0.22</td></tr> <tr><td>EO#</td><td>0.27</td><td>0.00 / 0.60</td></tr> <tr><td>BA#</td><td>5.21S</td><td>4.65 / 5.85</td></tr> </table>	NE#	4.91	4.13 / 5.63	LY#	2.24	1.61 / 2.81	MO#	0.07	0.00 / 0.22	EO#	0.27	0.00 / 0.60	BA#	5.21S	4.65 / 5.85																			
PLT	261	223 / 283																																							
MPV	8.7	6.7 / 10.7																																							
NE#	4.91	4.13 / 5.63																																							
LY#	2.24	1.61 / 2.81																																							
MO#	0.07	0.00 / 0.22																																							
EO#	0.27	0.00 / 0.60																																							
BA#	5.21S	4.65 / 5.85																																							

Result Comment **Analytical Error**



	Statistics					Number of analysis					10
	WBC	RBC	HGB	HCT	MCV	MCH	MCHC	RDW	PLT	MPV	
	NE	LY	MO	EO	BA	NE#	LY#	MO#	EO#	BA#	
Mean	7.58	4.7	13.89	0.39	84.28	29.85	35.36	11.52	270.94	8.58	
	64.81	29.91	1.0	4.29	69.45	4.91	2.27	0.08	0.33	5.27	
2SD	1.08	1.0	0.6	0.06	4.64	5.83	5.39	0.66	70.37	0.27	
	1.56	1.39	0.19	0.97	1.56	0.66	0.38	0.02	0.09	0.86	
CV%	7.11 H	10.66 H	2.16	7.37 H	2.75	9.77 H	7.62 H	2.84	12.99 H	1.57	
	1.2	2.32	9.67	11.27	1.12	6.7	8.3	10.73	14.01	8.14	
Lower Limits	6.5	4.45	13.3	0.371	80	28.0	32.3	7.7	223	6.7	
	55.0	21.5	0.0	0.0	62.0	4.13	1.61	0.00	0.00	4.65	
Target Values	7.5	4.60	13.8	0.391	85	30.0	35.3	11.7	253	8.7	
	65.0	29.5	1.5	4.0	70.0	4.88	2.21	0.11	0.30	5.25	
Upper Limits	8.5	4.75	14.3	0.411	90	32.0	38.3	15.7	283	10.7	
	75.0	37.5	3.0	8.0	78.0	5.63	2.81	0.22	0.60	5.85	
Delta Diff	0.1	0.10	0.1	0.004	1	0.1	0.1	0.2	18	0.1	
	0.2	0.4	0.5	0.3	0.5	0.03	0.06	0.03	0.03	0.02	

Quality Control

Sample ID 381120	Control Name CONTROL 15	Expiration Date 05/01/2021	Modified on 18/12/2020	Modified by Service
Run Date/Time 23/12/2020 14:23:27	Cass. / Pos. 5 2		Panel CBC/DIFF	Shift 0

	Value	Range
WBC	17.6	15.6 / 20.0
RBC	4.95	4.85 / 5.25
HGB	16.5	16.0 / 17.2
HCT	0.450	0.435 / 0.485
MCV	91	86 / 96
MCH	33.4	30.4 / 35.4
MCHC	36.8	33.1 / 39.1
RDW	11.0	7.5 / 15.5

	Value	Range
NE	79.4	69.0 / 89.0
LY	14.3	6.0 / 22.0
MO	1.4	0.0 / 4.0
EO	4.8	0.0 / 10.0
BA	87.8S	80.5 / 96.5

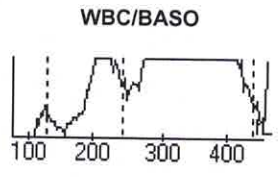
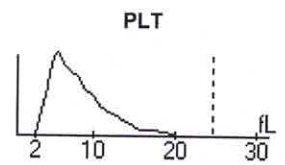
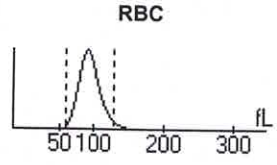
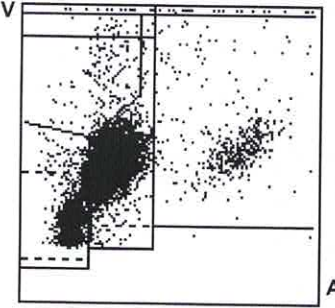
Flags and Messages

Analytical Messages
BASO+

PLT	499	470 / 570
MPV	8.6	6.8 / 10.8

NE#	13.99	12.28 / 15.84
LY#	2.52	1.06 / 3.92
MO#	0.25	0.00 / 0.72
EO#	0.85	0.00 / 1.78
BA#	15.47S	14.32 / 17.18

Result Comment Analytical Error



	Statistics					Number of analysis					4
	WBC	RBC	HGB	HCT	MCV	MCH	MCHC	RDW	PLT	MPV	
	NE	LY	MO	EO	BA	NE#	LY#	MO#	EO#	BA#	
Mean	18.26	5.02	16.84	0.46	91.77	33.56	36.57	11.04	518.39	8.67	
	79.07	14.16	1.65	5.13	88.18	14.43	2.59	0.3	0.94	16.11	
2SD	2.07	0.24	0.69	0.03	1.31	0.5	0.58	0.38	40.6	0.13	
	1.29	0.35	0.58	0.7	1.43	1.4	0.31	0.14	0.23	2.09	
CV%	5.67 H	2.42	2.03	2.81	0.71	0.75	0.79	1.73	3.92	0.74	
	0.82	1.24	17.76	6.86	0.81	4.84	6.02	23.4	12.29	6.48	
Lower Limits	15.6	4.85	16.0	0.435	86	30.4	33.1	7.5	470	6.8	
	69.0	6.0	0.0	0.0	80.5	12.28	1.06	0.00	0.00	14.32	
Target Values	17.8	5.05	16.6	0.460	91	32.9	36.1	11.5	520	8.8	
	79.0	14.0	2.0	5.0	88.5	14.06	2.49	0.36	0.89	15.75	
Upper Limits	20.0	5.25	17.2	0.485	96	35.4	39.1	15.5	570	10.8	
	89.0	22.0	4.0	10.0	96.5	15.84	3.92	0.72	1.78	17.18	
Delta Diff	0.5	0.03	0.2	0.001	1	0.7	0.5	0.5	2	0.1	
	0.1	0.2	0.4	0.1	0.3	0.37	0.10	0.06	0.05	0.36	

Reproducibility

Panel	CBC/DIFF	Date/Time		Operator		Operator										Service					
		WBC	RBC	HGB	HCT	MCV	MCH	MCHC	RDW	PLT	MPV	NE	LY	MO	EO		BA				
<input checked="" type="checkbox"/>		23/12/2020 13:38:28		Service		7.6	5.43	16.7	0.480	88	30.8	34.8	12.2	209	8.7	59.8	33.3	4.3	1.6	1.0	0.08
<input checked="" type="checkbox"/>		23/12/2020 13:37:36		Service		7.6	5.37	16.6	0.476	89	31.0	35.0	12.4	208	8.7	61.7	30.9	4.9	1.6	0.9	0.07
<input checked="" type="checkbox"/>		23/12/2020 13:36:45		Service		7.6	5.49	16.7	0.484	88	30.5	34.5	12.0	214	8.7	60.5	32.4	4.6	1.7	0.8	0.06
<input checked="" type="checkbox"/>		23/12/2020 13:35:53		Service		7.5	5.49	16.8	0.485	88	30.6	34.6	12.3	222	8.7	60.3	32.6	4.8	1.3	1.0	0.08
<input checked="" type="checkbox"/>		23/12/2020 13:35:01		Service		7.5	5.45	16.6	0.481	88	30.5	34.5	12.3	210	8.6	60.2	31.7	5.0	1.8	1.3	0.10
<input checked="" type="checkbox"/>		23/12/2020 13:33:17		Service		7.5	5.50	16.5	0.485	88	30.1	34.1	12.5	215	8.6	60.9	32.0	4.6	1.6	0.9	0.07
<input checked="" type="checkbox"/>		23/12/2020 13:32:26		Service		7.7	5.50	16.7	0.484	88	30.4	34.5	12.3	217	8.7	61.1	31.8	4.5	1.6	1.0	0.08
<input checked="" type="checkbox"/>		23/12/2020 13:31:34		Service		7.7	5.47	16.6	0.481	88	30.3	34.5	12.4	209	8.7	59.7	32.5	4.9	1.7	1.2	0.09
<input checked="" type="checkbox"/>		23/12/2020 13:30:42		Service		7.6	5.46	16.6	0.480	88	30.4	34.5	12.1	220	8.6	60.0	32.1	5.2	1.7	1.0	0.08
<input checked="" type="checkbox"/>		23/12/2020 13:29:50		Service		7.9	5.42	16.6	0.480	88	30.6	34.6	12.3	223	8.3	59.7	33.3	4.5	1.2	1.3	0.10

Reproducibility

Panel CBC/D/IFF

		23/12/2020 13:28:58 Service										Operator		Service		
		7.7	5.42	16.6	0.480	89	30.6	34.5	12.9	222	8.6	59.6	32.5	5.1	1.6	1.2
		4.60	0.39	0.12	0.09											
		Statistics														
		Number of analysis														
Mean		7.63	5.46	16.64	0.48	88.25	30.5	34.57	12.34	215.23	8.62	60.32	32.28	4.76	1.58	1.05
2SD		0.22	0.08	0.14	0.01	0.48	0.48	0.43	0.48	11.46	0.24	1.35	1.4	0.57	0.36	0.34
CV%		1.42	0.71	0.43	0.58	0.27	0.79	0.62	1.93	2.66	1.37	1.12	2.16	5.96	11.24	16.07
Minimum		7.5	5.37	16.5	0.476	88	30.1	34.1	12.0	208	8.3	59.6	30.9	4.3	1.2	0.8
Maximum		7.9	5.50	16.8	0.485	89	31.0	35.0	12.9	223	8.7	61.7	33.3	5.2	1.8	1.3
Range		0.4	0.13	0.2	0.009	1	0.9	0.9	0.9	15	0.4	2.1	2.4	0.9	0.6	0.5
												0.19	0.28	0.07	0.04	0.04

Reproducibility

Panel	CBC/DIFF	0.3	0.08	0.1	0.007	0	0.5	0.6	0.4	17	0.1	2.9	2.8	0.8	Operator	Service
Range												0.28	0.20	0.05	0.05	0.04
															0.6	0.5
															0.05	0.04