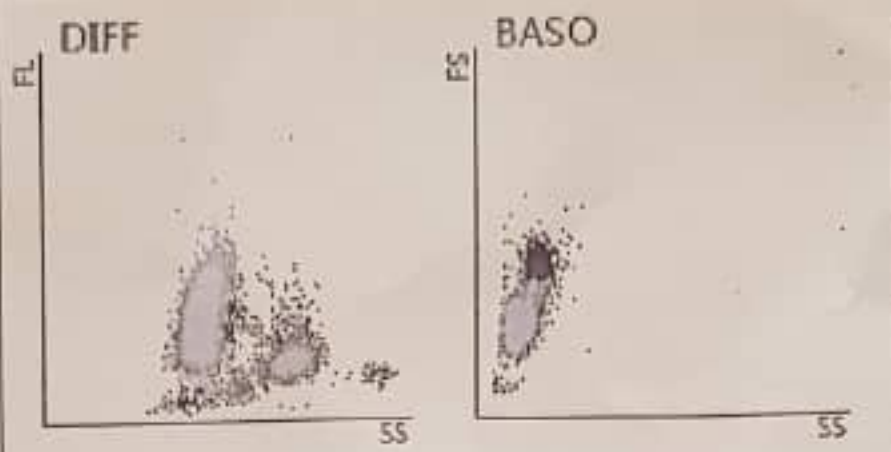
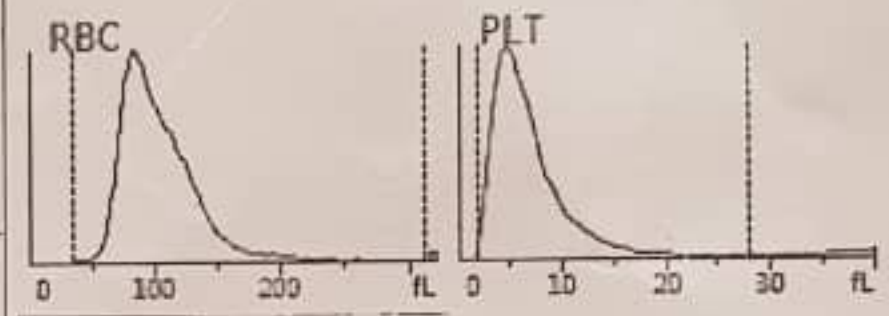
Mode: AL-WB-CD

Date of Analysis: 1/10/2021 9:18 AM

Para.		Result	Unit	Ref. Ranges
WBC	H	18.14	10^3/uL	4.00 - 11.00
Neu#		2.72	10^3/uL	2.00 - 7.00
Lym#		****	10^3/uL	0.80 - 4.00
Mon#		****	10^3/uL	0.12 - 1.20
Eos#		0.08	10^3/uL	0.02 - 0.50
Bas#	H	0.89	10^3/uL	0.00 - 0.10
IMG#	H	0.27	10^9/L	0.00 - 0.10
Neu%	L	15.0	%	50.0 - 70.0
Lym%		****	%	20.0 - 40.0
Mon%		****	%	3.0 - 12.0
Eos%		0.5	%	0.5 - 5.0
Bas%	H	4.9	%	0.0 - 1.0
IMG%	H	1.5	%	0.0 - 1.0
RBC	L	2.39	10^6/uL	4.20 - 5.40
HGB	L	7.8	g/dL	12.0 - 16.0
HCT	L	24.0	%	37.0 - 47.0
MCV	H	100.2	fL	80.0 - 96.0
MCH	H	32.7	pg	27.0 - 32.0
MCHC	L	32.7	g/dL	33.0 - 37.0
RDW-CV	H	24.9	%	11.5 - 14.5
RDW-SD	H	88.6	fL	35.0 - 56.0
PLT		264	10^3/uL	145 - 449
MPV	L	7.1	fL	7.4 - 10.4
PDW		15.8		9.0 - 17.0
PCT		0.188	%	0.108 - 0.282
P-LCC	L	26	10^3/uL	30 - 90
P-LCR	L	9.9	%	11.0 - 45.0





WBC Message

WBC Scattergram Abn.
Abn. Lymph/blast?
Immature Gran?
Basophilia
Leucocytosis

RBC Message

Anisocytosis
Anemia

PLT Message

RET

LFR: Pink
MFR: Red
HFR: Dark Yellow

NRBC

NRBC: PINK
WBC: Blue

BASO

BASO: RED
WBC: Blue

DIFF

LYM: Green
MONO: Pink
NEU: Blue
EOS: Red
HFC: Green
IMG: DarkCyan

RBC Morphology				*WBC Morphology*	
Normal		*Acanthocyte*		*Hypersegmented neu*	
Anisocytosis		*Burr.cell*		*Toxic Granulation*	
Poikilocytos		*Tear drop RBC*		*Dohle bodies*	
Microcytosis		*Sickle cell*		*CVN*	
Macrocytosis		*Bite cell*		*Giant Platelets*	
Macro Ovalocyte		*Blister cell*			
Hypochoromia		*Schistocyte*			
Polychromasia		*Rouleaux form.*			
Ovalocyte		*Howell-Jolly body*			
Elliptocyte		*Baso stip.*			
Target cell		*Pappenheimer*			
Spherocyte					

Comments

Report date: 21.10.39		
Clinical Information:	Source of Tissue/ Specimen: Peripheral Blood	Viability: Good

Interpretation / Diagnosis: Immunophenotyping together with cytochemistry and cytomorphology o
PB are consistent with diagnosis of *CD10 positive T-cell Acute Lymphoblastic Leukemia / Lymphoma.*

BM cytomorphology & immunophenotyping for further evaluation recommended.

Stem-Cell Associated Markers		%	Comments
CD34	(Progenitor Cell)	<1	
CD117	(Progenitor Cell)	1	
HLA-DR	(HLA-MHC Antigen)	9	
TdT	(Nuclear TdT)	1	
Myeloid/Monocytic Markers			
CD13	(Myeloid)	1	
CD33	(Myeloid)	<1	
CD15	(Myeloid/Monocytic)		
CD11b	(Myeloid/Monocytic)		
CD64	(Monocytic)		
CD14	(Monocytic)		
iMPO	(cytoplasmic Myeloperoxidase)	<1	
Other Markers			
CD41	(gpIIb/IIIa)		
CD42b			
CD61			
CD235a	(Glycophorin A)		
CD45	(Common Leukocyte Antigen)	93	Dim
CD25	(Activated Cells)		

B-Cell Associated Markers		%	Comments
CD19	(Pan-B)	3	
CD10	(CALLA)	75	Aberrant Expression
CD22	(Pan-B)		
iCD79α	(Cytoplasmic, Pan-B)	4	
iIgM	Cytoplasmic μ heavy chain)		
CD20	(Mature B)	4	
s.Kappa	(Ig light chain)		
s.Lambda	(Ig light chain)		
CD79β	(Surface, Mature B)		
T/NK Cell Associated Markers			
iCD3	(cytoplasmic, Early T cell	60	
CD1a	(Thymic T)	<1	
CD7	(Pan-T)	94	
CD3	(Mature T)	17	
CD2	(Pan-T)	83	Dim
CD5	(Pan-T)	93	Dim
CD4	(Helper T)	83	
CD8	(Cytotoxic T)	20	
CD56	(NK/Cytotoxic T)	3	

79% of cells gated on blast regio

Comments: CD99: 75%, CD123: <1%, CD4+CD8 dual positive cells: 11%,
CD7+CD56 dual positive cells: 75%, CD2+CD10 dual positive cells: 65%
Positive cut off for cytoplasmic CD markers is 10%.