False “lymphocytosis” secondary to red cell interference in differential channel.

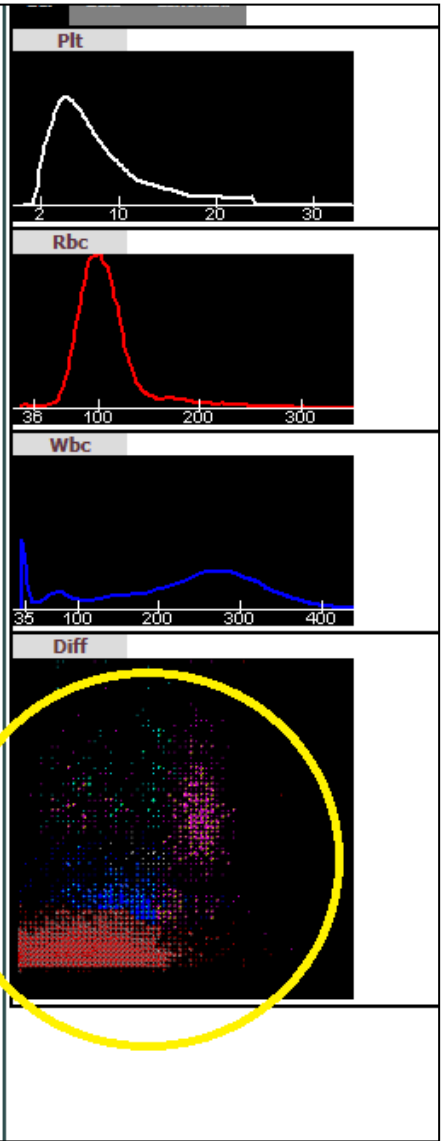
Parameter	Result	Flags	Prev. Result/Date
HGB	91	v_DH	97 29/11/2019
RBC	2.58	v_DH	2.74 29/11/2019
HCT	0.27	v_DH	0.28 29/11/2019
MCV	105	v_DH	104 29/11/2019
MCH	35.4	v__H	35.5 29/11/2019
MCHC	337	v__H	341 29/11/2019
RDW	19.7	v__H	19.6 29/11/2019
UWBC	8.30	v__H	7.58 23/11/2019
WBC	7.67	v_DH	10.56 29/11/2019
NE#	3.80 (R)	____	8.12 (R) 29/11/2019
LY#	3.08 (R)	____	0.77 (R) 29/11/2019
MO#	0.64 (R)	____	1.46 (R) 29/11/2019
EO#	0.01 (R)	____	0.06 (R) 29/11/2019
BA#	0.14 (R)	____	0.15 (R) 29/11/2019
NE%	49.6 (R)	____	76.9 (R) 29/11/2019
LY%	40.1 (R)	____	7.3 (R) 29/11/2019
MO%	8.3 (R)	____	13.8 (R) 29/11/2019
EO%	0.1 (R)	____	0.6 (R) 29/11/2019
BA%	1.9 (R)	____	1.4 (R) 29/11/2019
PLT	90 (R)	v__H	108 (R) 29/11/2019
MPV	8.6 (R)	v__H	8.1 (R) 29/11/2019

Total	100 / 100			
WBC	100	100%	7.67	Key
Neutrophils	90	90.00	6.90	f
Lymphocytes	7	7.00	0.54	g
Monocytes	3	3.00	0.23	h
Eosinophils	0	0	0	j
Basophils	0	0	0	k
Bands	0	0	0	d
Metamyelocytes	0	0	0	r
Myelocytes	0	0	0	t
Promyelocytes	0	0	0	y
Blasts	0	0	0	u
Abnormal Lymphs	0	0	0	w
Reactive Lymphs	f	0	0	a
Prolymphocytes	0	0	0	z
Smear cells	0	0	0	x
Plasma cells	0	0	0	p
Hairy cells	0	0	0	o
Lymphoma cells	0	0	0	i
Nucleated RBCs	0	0	0	c
Morphology	0	0	0	m

Comments

ClumpedPLT: Original analyser c

Choose



Haematology	30-11-2019 09:27	29-11-2019 08:41	28-11-2019 14:49
FBE			
Hb	97	95	92
WBC	5.77	4.81	4.94
Platelets	248	233	222
Hct	0.29	0.28	0.27
MCV	98	97	97
MCH	32.9	32.5	33.0
MCHC	337	334	339
RBC	2.95	2.92	2.79
RDW	19.7	19.8	19.9
Neutrophils	5.07	1.61	3.75
Lymphocytes	0.17	2.48	0.59
Monocytes	0.35	0.70	0.25
Eosinophils	0.00	0.04	0.05
Basophils	0.00	0.04	0.00
Bands	0.12		0.30
Metamyelocytes	0.06		
Morphology	* Comment	* Comment	* Comment

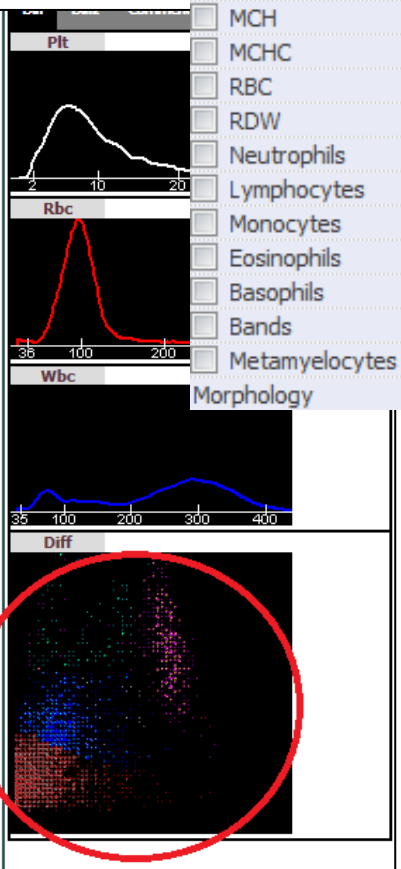
Parameter	Result	Flags	Prev. Result/Date
HGB	97	V_DH	92 28/11/2019
RBC	2.95	V_DH	2.79 28/11/2019
HCT	0.29	V_DH	0.27 28/11/2019
MCV	98	V_DH	97 28/11/2019
MCH	32.9	V__H	33.0 28/11/2019
MCHC	337	V__H	339 28/11/2019
RDW	19.7	V__H	19.9 28/11/2019
WBC	5.77	V_DH	4.94 28/11/2019
NE#	1.89 (R)	____	3.75 28/11/2019
LY#	3.24 (R)	____	0.59 28/11/2019
MO#	0.55 (R)	____	0.25 28/11/2019
EO#	0.01 (R)	____	0.05 28/11/2019
BA#	0.08 (R)	____	0.00 28/11/2019
NE%	32.8 (R)	____	76.0 28/11/2019
LY%	56.1 (R)	____	12.0 28/11/2019
MO%	9.4 (R)	____	5.0 28/11/2019
EO%	0.3 (R)	____	1.0 28/11/2019
BA%	1.4 (R)	____	0.0 28/11/2019
PLT	248	V_DH	222 28/11/2019
MPV	9.9	V__H	9.9 28/11/2019
M		____	1 28/11/2019
FILMREQ	YES	VC_H	YES 28/11/2019
SS1	MADE	VC_H	MADE 28/11/2019
VariantLymp	YES	VC_H	YES 28/11/2019

Total	100 / 100			
WBC	100	100%	5.77	Key
Neutrophils	88	88.00	5.07	f
Lymphocytes	3	3.00	0.17	g
Monocytes	6	6.00	0.35	h
Eosinophils	0	0	0	j
Basophils	0	0	0	k
Bands	2	2.00	0.12	d
Metamyelocytes	1	1.00	0.06	r
Myelocytes	0	0	0	t
Promyelocytes	0	0	0	y
Blasts	0	0	0	u
Abnormal Lymphs	0	0	0	w
Reactive Lymphs	0	0	0	a
Prolymphocytes	0	0	0	z
Smear cells	0	0	0	x
Plasma cells	0	0	0	p
Hairy cells	0	0	0	o
Lymphoma cells	0	0	0	i
Nucleated RBCs	0	0	0	c
Morphology	0	0	0	m

Comments

ClumpedPLT: Original analyser c Choose

M:Comments : Red cells show macrocytosis with a moderate increase in target cells. White cells show hypergranulation. Platelets appear normal. Manual differential performed to correct for interference in th e sample.



False “lymphocytosis” secondary to red cell interference in differential channel.
Cumulative results – false neutropenia reported.