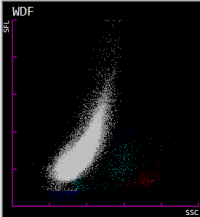
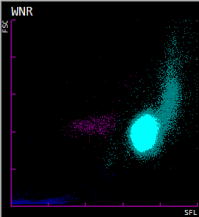
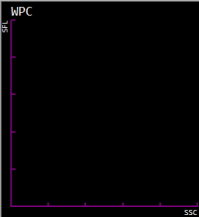
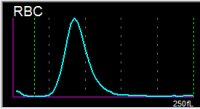
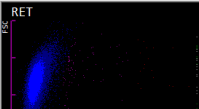
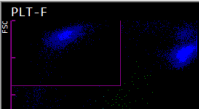


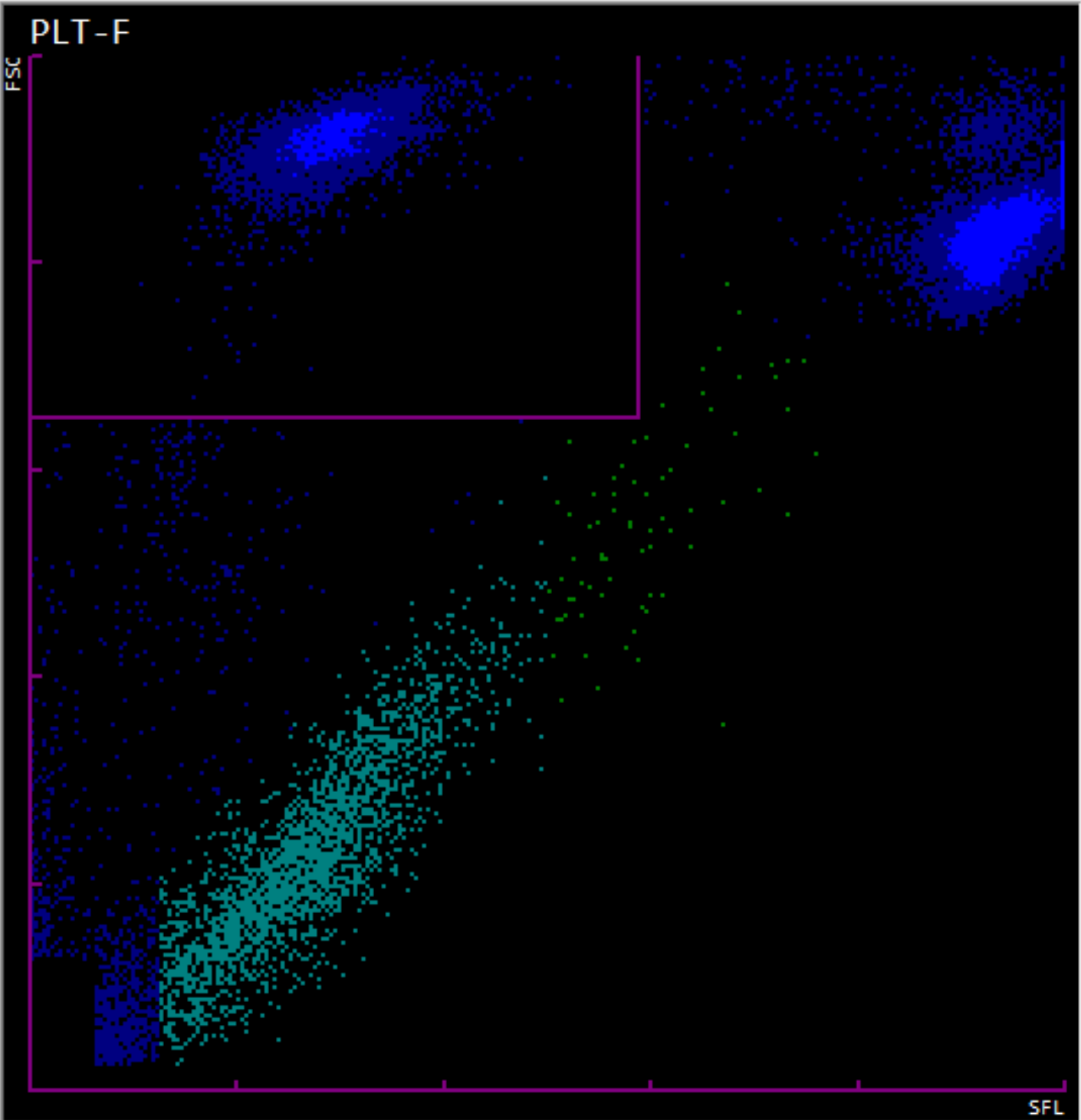
Case collection - Sysmex Europe GmbH

Title	Acute leukaemia with an interfered PLT-I count
Clinical value APPs	DIFF + RET + PLT-F
Software version	unknown
Unit	Conventional [g/dL, g/L etc.]
Sample type	Blood adult
Type of pathology	Leukaemia/MDS/MPN
Flags	Thrombocytopenia; Anemia; Blasts/Abn Lympho?; Leukocytosis; Lymphocytosis; Monocytosis; WBC Abn Scattergram;
Description	<p>Suspicion of acute leucaemia and interfered PLT-I count The patient shows a WBC count of $151.35 \times 10^3/\mu\text{l}$, anaemia with a haemoglobin result of 6.3 g/dl (normochromic and normocytic), thrombocytopenia $26 \times 10^3/\mu\text{l}$. The automatic differentiation was not possible, the flag messages "Blasts/Abn Lympho?", and "WBC Abn Scattergram" appear, beside the flags for "Monocytosis", "Lymphocytosis", "Leukocytosis".</p> <p>Thrombocytes:</p> <p>In this sample the PLT-I ($48 \times 10^3/\mu\text{l}$) was replaced by the PLT-F ($28 \times 10^3/\mu\text{l}$) result. The differences might have occurred due to potential interferences by white blood cell fragments.</p>

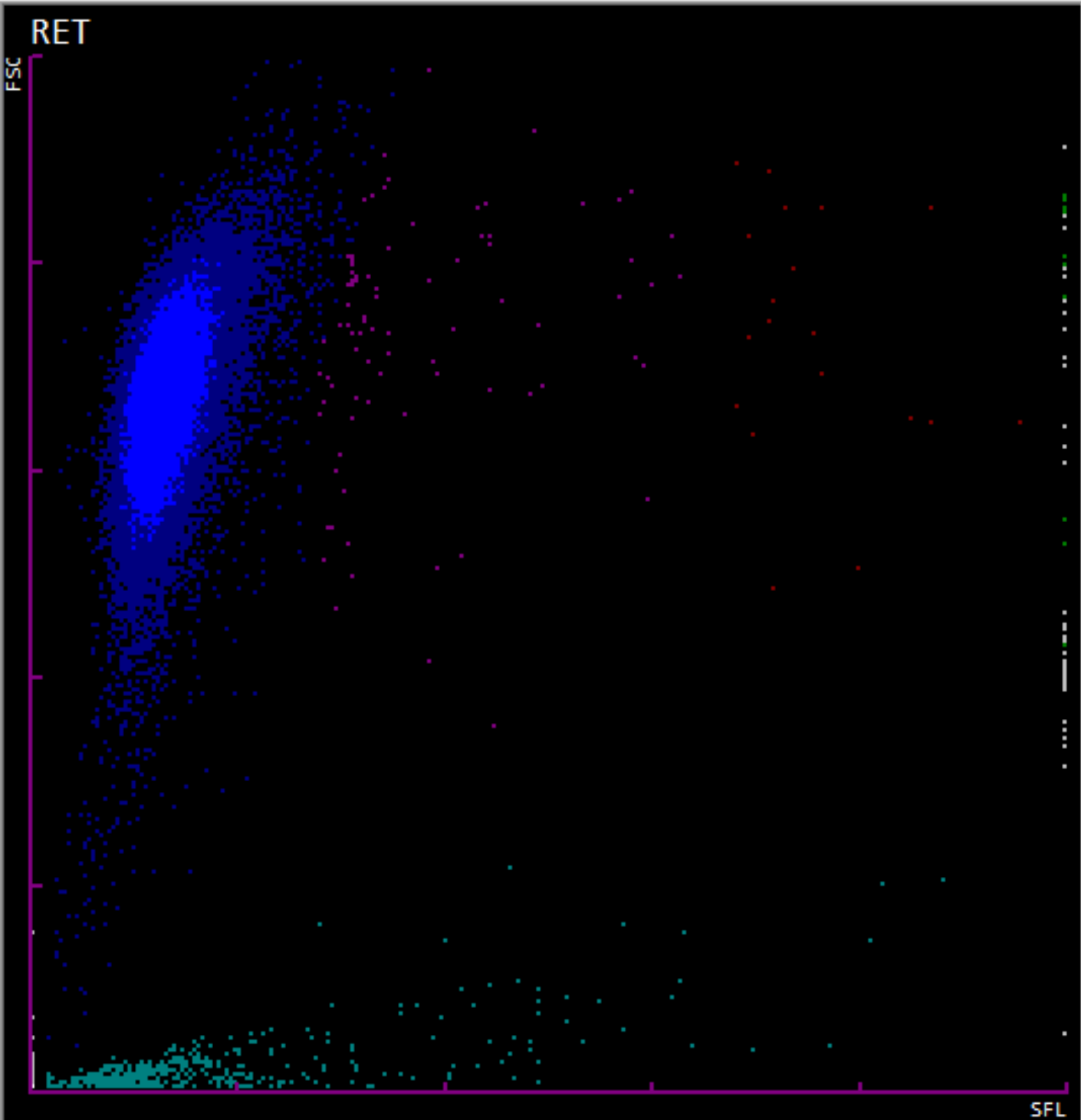
635011939361860693_Overview.PNG

Haupt	Kurve	Kumulativ	Q-Flag	Service	Ben.	Nur LabGebr.	Manual (Open) XN-10^11160
CBC		DIFF		WBC Flag(s)		  	
Element	Dat.	Einh.	Element	Dat.	Einh.	WBC Abn Scattergram Lymphocytosis Monocytosis Leukocytosis Blasts/Abn Lympho?	
WBC	151.36	10 ³ /uL	NEUT#	0.49	10 ³ /uL		
RBC	2.16	10 ⁶ /uL	LYMPH#	120.14	10 ³ /uL		
HGB	6.3	g/dL	MONO#	30.47	10 ³ /uL		
HCT	19.6	%	EO#	0.18	10 ³ /uL		
MCV	90.7	fL	BASO#	0.08	10 ³ /uL		
MCH	29.2	pg	NEUT%	0.3	%		
MCHC	32.1	g/dL	LYMPH%	79.4	%		
PLT &F	26	10 ³ /uL	MONO%	20.1	%		
RDW-SD	53.1	fL	EO%	0.1	%		
RDW-CV	16.9	%	BASO%	0.1	%		
PDW	11.9	fL	IG#	----	10 ³ /uL		
MPV	9.9	fL	IG%	----	%		
P-LCR	25.8	%					
PCT	0.05	%					
NRBC#	0.64	10 ³ /uL					
NRBC%	0.4	%					
RET		PLT-F		RBC Flag(s)		  	
Element	Dat.	Einh.	Element	Dat.	Einh.	Anemia	
RET%	0.33	%	IPF	3.1	%		
RET#	0.0071	10 ⁶ /uL					
IRF	18.3	%					
LFR	81.7	%					
MFR	17.3	%					
HFR	1.0	%					
RET-He	34.7	pg					
				PLT Flag(s)		Thrombocytopenia	

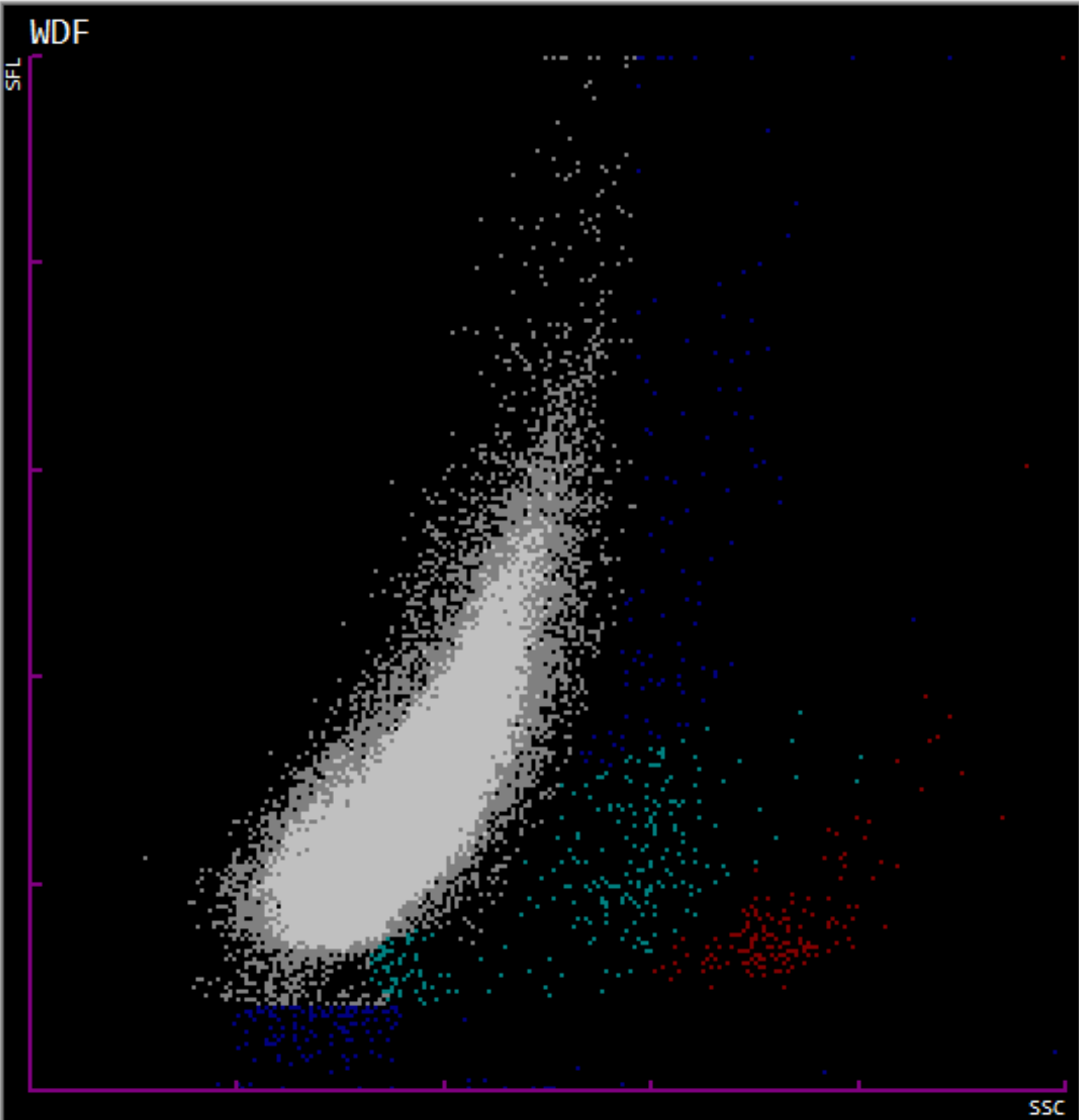
635011939365448739_PLT F magnified.PNG



635011939367008759_RET magnified.PNG



635011939368412777_WDF magnified.PNG



635011939370128799_PLT I.PNG

PLT-I	48	$10^3/\mu\text{L}$
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635011939371844821_PLT F.PNG

PLT-F	26	$10^3/\mu\text{L}$
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