

## INSTRUMENT SETTINGS FOR THE SYSMEX XT1800i

To standardize the patient settings and flagging criteria on the Sysmex XT-1800i

1. Sampler Limit settings are used as triggers to halt the analyzer and allow the operator to re-run samples. To update the sampler limit settings click on Menu / Controller / Setting / Sampler limit setting tab.

Parameter	Lower	Upper	Parameter	Lower	Upper
WBC	1.0	30.0	Neut #	1.0	10.0
RBC	2.00	10.0	Lymph #	0.00	5.00
HGB	5.0	20.0	Mono #	0.00	1.50
HCT	10.0	65.0	Eos #	0.00	4.00
MCV	60.0	130.0	Baso #	0.00	0.40
MCH	18.0	40.0	Neut %	0.0	99.9
MCHC	24.0	37.5	Lymph %	0.0	99.9
PLT	30	999	Mono %	0.0	99.9
RDW-SD	25.0	75.0	Eos %	0.0	99.9
RDW-CV	0.0	30.0	Baso %	0.0	99.9
MPV	0	99.0			

2. WBC Flag formula setting for Abnormal WBC flagging is as follows (Click on Menu / Controller / Setting / Flag Formula (WBC) tab)

Abnormal Flag	Parameter	Setting		Parameter	Setting
Neutropenia	Neut #	1.5	Or	Neut %	0.0
Neutrophilia	Neut #	10.0	Or	Neut %	100.0
Lymphocytosis	Lymp #	5.00	Or	Lymp %	100.0
Monocytosis	Mono #	1.5	Or	Mono %	100.0
Eosinophilia	Eos #	4.0	Or	Eos %	100.0
Basophilia	Baso #	0.4	Or	Baso %	100.0
Leukocytopenia	WBC #	3.50			
Leukocytosis	WBC #	11.0			

3. RBC Flag formula setting for Abnormal RBC flagging is as follows (Click on Menu / Controller / Setting / Flag Formula (RBC) tab)

Abnormal RBC Flag	Parameter	Setting
Anisocytosis	RDW – SD	> 65.0
	RDW – CV	> 19.9
Microcytosis	MCV	< 70.0
Macrocytosis	MCV	> 110.0
Hypochromia	MCHC	< 28.0
Anemia	HGB	< 9.0
Erythocytosis	RBC	> 7.00