

Analysis range [Whole blood] mode [HPC] mode ^{*1}	WBC	0.00 to 440.00 x 10 ³ /μL
	RBC	0.00 to 8.60 x 10 ⁶ /μL
	HGB	0.0 to 26.0 g/dL, 0.0 to 16.14 mmol/L
	HCT	0.0 to 75.0%
	PLT	0 to 5000 x 10 ³ /μL
	NRBC#	0.00 to 20.00 x 10 ³ /μL
	NRBC%	0.0 to 600.0 / 100WBC
Analysis range [Pre-Dilution] mode	RET%	0.00 to 30.00%
	RET#	0.0000 to 0.7200 x 10 ⁶ /μL
	WBC	0.00 to 100.00 x 10 ³ /μL
	RBC	0.00 to 8.60 x 10 ⁶ /μL
Analysis range [Body Fluid] mode ^{*2}	HGB	0.0 to 26.0 g/dL, 0.0 to 16.14 mmol/L
	HCT	0.0 to 75.0%
	PLT	0 to 1000 x 10 ³ /μL
	WBC-BF	0.000 to 10.000 x 10 ³ /μL
	RBC-BF	0.000 to 5.000 x 10 ⁶ /μL
	TC-BF#	0.000 to 10.000 x 10 ³ /μL

*1 The HPC analysis can only be performed if the instrument offers the HPC analysis mode.

*2 The body fluid analysis can only be performed if the instrument offers the body fluid analysis mode.

Precision (repeatability) [Whole blood] mode [HPC] mode	Indicated as coefficients of variation (95% reliability) when analysis of peripheral blood (samples with nucleated RBC for NRBC, samples with immature granulocyte for IG (same-day blood), diluted peripheral blood for PLT ^{2,4} and samples with at least RET# 0.020 x 10 ⁶ /μL for RET-He (same-day blood)) or control blood is repeated at least 10 times. (For NRBC and IG, abnormal samples of peripheral blood (samples with nucleated RBC for NRBC, samples with immature granulocyte for IG (same-day blood)) repeatedly analyzed at least 5 times.)
WBC	3.0% or less (4.00 x 10 ³ /μL or more)
RBC	1.5% or less (4.00 x 10 ⁶ /μL or more)
HGB	1.0% or less
HCT	1.5% or less
MCV	1.0% or less
MCH	2.0% or less
MCHC	2.0% or less
PLT ^{*1}	4.0% or less (100 x 10 ³ /μL or more)
PLT ^{*2,3}	6.0% or less (100 x 10 ³ /μL or more)
PLT ^{*2,4}	2.5% or less (PLT 100 x 10 ³ /μL or more) 5.0% or less (PLT 20 x 10 ³ /μL or more)
RDW-SD	2.0% or less
RDW-CV	2.0% or less
PDW	10.0% or less
MPV	4.0% or less
P-LCR	15.0% or less
PCT	6.0% or less
NRBC#	25.0% or less, or within ±0.12 x 10 ³ /μL
NRBC%	25.0% or less, or within ±1.5 NRBC% (WBC 4.00 x 10 ³ /μL or more)
NEUT#	8.0% or less (1.20 x 10 ³ /μL or more)
LYMPH#	8.0% or less (0.60 x 10 ³ /μL or more)
MONO#	20.0% or less (0.20 x 10 ³ /μL or more)
EO#	25.0% or less, or within ±0.12 x 10 ³ /μL
BASO#	40.0% or less, or within ±0.06 x 10 ³ /μL
NEUT%	8.0% or less (30.0 NEUT% or more, WBC 4.00 x 10 ³ /μL or more)
LYMPH%	8.0% or less (15.0 LYMPH% or more, WBC 4.00 x 10 ³ /μL or more)
MONO%	20.0% or less (5.0 MONO% or more, WBC 4.00 x 10 ³ /μL or more)
EO%	25.0% or less, or within ±1.5 EO% (WBC 4.00 x 10 ³ /μL or more)
BASO%	40.0% or less, or within ±1.0 BASO% (WBC 4.00 x 10 ³ /μL or more)
IG#	25.0% or less or within ±0.12 x 10 ³ /μL (IG# 0.10 x 10 ³ /μL or more)
IG%	25.0% or less or within ±1.5 IG% (IG% 2.0% or more, WBC 4.00 x 10 ³ /μL or more)

Precision (repeatability) [Whole blood] mode [HPC] mode ¹	RET% ^{*2}	15.0% or less (RBC $3.00 \times 10^6/\mu\text{L}$ or more, RET% 1.00 to 4.00%)
	RET# ^{*2}	15.0% or less (RBC $3.00 \times 10^6/\mu\text{L}$ or more, RET% 1.00 to 4.00%)
	IRF ^{*2}	30.0% or less (RBC $3.00 \times 10^6/\mu\text{L}$ or more, RET% 1.00 to 4.00%, IRF 20.0% or more)
	LFR ^{*2}	30.0% or less (RBC $3.00 \times 10^6/\mu\text{L}$ or more, RET% 1.00 to 4.00%, LFR 20.0% or more)
	MFR ^{*2}	50.0% or less (RBC $3.00 \times 10^6/\mu\text{L}$ or more, RET% 1.00 to 4.00%, LFR 20.0% or more)
	HFR ^{*2}	100.0% or less or within ± 2.0 HFR (RBC $3.00 \times 10^6/\mu\text{L}$ or more, RET% 1.00 to 4.00%)
	RET-He ^{*2}	5.0% or less (RET# $0.0200 \times 10^6/\mu\text{L}$ or more)
	RBC-He ^{*2}	5.0% or less
	Delta-He ^{*2}	RET-He 5.0% or less, RBC-He 5.0% or less
	NEUT-RI ^{*5}	3.0% or less ($1.20 \text{ NEUT\#} \times 10^3/\mu\text{L}$ or more)
	NEUT-GI ^{*5}	3.0% or less ($1.20 \text{ NEUT\#} \times 10^3/\mu\text{L}$ or more)
	IPF	25.0% or less (PLT $50 \times 10^3/\mu\text{L}$ or more, IPF 3.0% or more) 20.0% or less (PLT 10 to $50 \times 10^3/\mu\text{L}$, IPF 10.0% or more)
	Indicates the coefficient of variation when peripheral blood (sample with HPC) is analyzed at least 5 times in succession, or the range of variation from the average value.	
	HPC# ^{*6}	30.0% or less, or within $\pm 15/\mu\text{L}$
Precision (repeatability) [Pre-Dilution] mode	*1 PLT counted in the RBC/PLT channels (PLT particle size distribution).	
	*2 These items do not appear with all analyzer types.	
	*3 PLT counted in the RET channels.	
	*4 PLT counted in the PLT-F channels.	
	*5 The availability of these functions depends on your system configuration.	
	*6 [HPC] mode.	
	Indicated as coefficients of variation (95% reliability) when analysis of diluted peripheral blood (samples with nucleated RBC for NRBC, samples with immature granulocyte for IG (same-day blood), and samples with at least RET# $0.020 \times 10^6/\mu\text{L}$ for RET-He (same-day blood)) or control blood is repeated at least 10 times. (For NRBC and IG, abnormal samples of diluted peripheral blood (samples with nucleated RBC for NRBC, samples with immature granulocyte for IG (same-day blood)) repeatedly analyzed at least 5 times.)	
	WBC	5.0% or less ($4.00 \times 10^3/\mu\text{L}$ or more)
	RBC	4.5% or less ($4.00 \times 10^6/\mu\text{L}$ or more)
	HGB	3.0% or less
	HCT	4.5% or less
	MCV	4.5% or less
	MCH	4.5% or less
	MCHC	6.0% or less

Precision (repeatability) [Pre-Dilution] mode	PLT* ¹	12.0% or less ($100 \times 10^3/\mu\text{L}$ or more)
	PLT* ^{2,3}	13.0% or less ($100 \times 10^3/\mu\text{L}$ or more)
	PLT* ^{2,4}	5.0% or less ($\text{PLT } 100 \times 10^3/\mu\text{L}$ or more) 10.0% or less ($\text{PLT } 20 \times 10^3/\mu\text{L}$ or more)
	RDW-SD	6.0% or less
	RDW-CV	6.0% or less
	PDW	20.0% or less
	MPV	8.0% or less
	P-LCR	36.0% or less
	PCT	12.0% or less
	NRBC#	50.0% or less, or within $\pm 0.25 \times 10^3/\mu\text{L}$
	NRBC%	50.0% or less, or within ± 3.0 NRBC% (WBC $4.00 \times 10^3/\mu\text{L}$ or more)
	NEUT#	16.0% or less ($1.20 \times 10^3/\mu\text{L}$ or more)
	LYMPH#	16.0% or less ($0.60 \times 10^3/\mu\text{L}$ or more)
	MONO#	40.0% or less ($0.20 \times 10^3/\mu\text{L}$ or more)
	EO#	40.0% or less
	BASO#	50.0% or less, or within $\pm 0.06 \times 10^3/\mu\text{L}$
	NEUT%	16.0% or less (30.0 NEUT% or more, WBC $4.00 \times 10^3/\mu\text{L}$ or more)
	LYMPH%	16.0% or less (15.0 LYMPH% or more, WBC $4.00 \times 10^3/\mu\text{L}$ or more)
	MONO%	40.0% or less (5.0 MONO% or more, WBC $4.00 \times 10^3/\mu\text{L}$ or more)
	EO%	40.0% or less (WBC $4.00 \times 10^3/\mu\text{L}$ or more)
	BASO%	50.0% or less, or within ± 1.5 BASO% (WBC $4.00 \times 10^3/\mu\text{L}$ or more)
	IG#	75.0% or less, or within $\pm 0.36 \times 10^3/\mu\text{L}$ (IG# $0.10 \times 10^3/\mu\text{L}$ or more)
	IG%	75.0% or less, or within ± 4.5 IG% (IG% 2.0% or more, WBC $4.00 \times 10^3/\mu\text{L}$ or more)
	RET%* ²	35.0% or less (RBC $3.00 \times 10^6/\mu\text{L}$ or more, RET% 1.00 to 4.00%)
	RET#* ²	35.0% or less (RBC $3.00 \times 10^6/\mu\text{L}$ or more, RET% 1.00 to 4.00%)
	NEUT-RI* ⁵	6.0% or less ($1.20 \text{ NEUT\#} \times 10^3/\mu\text{L}$ or more)
	NEUT-GI* ⁵	6.0% or less ($1.20 \text{ NEUT\#} \times 10^3/\mu\text{L}$ or more)
	IPF	40.0% or less ($\text{PLT } 50 \times 10^3/\mu\text{L}$ or more, IPF 3.0% or more)
	*1 PLT counted in the RBC/PLT channels (PLT particle size distribution).	
	*2 These items do not appear with all analyzer types.	
	*3 PLT counted in the RET channels.	
	*4 PLT counted in the PLT-F channels.	
	*5 The availability of these functions depends on your system configuration.	
Precision (repeatability) [Body Fluid] mode* ²	Indicated as coefficients of variation when analysis of diluted samples of peripheral blood or control blood is repeated at least 10 times.	
	WBC-BF	30.0% or less (0.005 to $0.015 \times 10^3/\mu\text{L}$) 15.0% or less (0.016 to $0.030 \times 10^3/\mu\text{L}$) 10.0% or less (0.031 to $0.050 \times 10^3/\mu\text{L}$)
	RBC-BF	40.0% or Max - Min $\leq 0.007 \times 10^6/\mu\text{L}$ (0.003 to $0.050 \times 10^6/\mu\text{L}$)
	TC-BF#	30.0% or less (0.005 to $0.015 \times 10^3/\mu\text{L}$) 15.0% or less (0.016 to $0.030 \times 10^3/\mu\text{L}$) 10.0% or less (0.031 to $0.050 \times 10^3/\mu\text{L}$)

*1 The HPC analysis can only be performed if the instrument offers the HPC analysis mode.

*2 The body fluid analysis can only be performed if the instrument offers the body fluid analysis mode.

Accuracy (blood cell count) [Whole blood] mode [HPC] mode^{*1}	<p>Indicated as the average value of the difference between the measured values of at least 100 samples of peripheral blood and values measured on a standard instrument or international standard methods^{*1} (HGB and HCT only).</p> <p>WBC within $\pm 3\%$ or $\pm 0.20 \times 10^3/\mu\text{L}$</p> <p>RBC within $\pm 2\%$ or $\pm 0.03 \times 10^6/\mu\text{L}$</p>
	<p>HGB within $\pm 2\%$ or $\pm 0.2 \text{ g/dL}$</p> <p>HCT within $\pm 3\%$ or $\pm 1.0 \text{ HCT}$</p> <p>MCV within $\pm 3\%$ or $\pm 2.0 \text{ fL}$</p> <p>Indicated as a correlation factor with the reference data when at least 100 samples of peripheral blood are analyzed. The reference data are obtained by the standard analysis method or standard instrument method (IPF only) by the flow cytometry method based on the international standards.</p> <p>PLT^{*2} within $\pm 5\%$ or $\pm 10 \times 10^3/\mu\text{L}$</p> <p>PLT^{*3,5} within $\pm 7\%$ or $\pm 10 \times 10^3/\mu\text{L}$</p> <p>PLT^{*4,5} within $\pm 5\%$ or $\pm 10 \times 10^3/\mu\text{L}$</p> <p>MPV within $\pm 5\%$ or $\pm 1.0 \text{ fL}$ (PLT $100 \times 10^3/\mu\text{L}$ or more)</p> <p>PCT within $\pm 5\%$ or $\pm 0.03 \text{ PCT}$ (PLT $100 \times 10^3/\mu\text{L}$ or more)</p> <p>IPF^{*5} $r = 0.8$ or more</p>
	<p>Indicated as a tolerance with respect to the average value reference data when at least 20 samples of peripheral blood are analyzed.</p> <p>The reference data are obtained by the standard analysis method using the flow cytometry method based on the CD34 positive cell analysis method.</p> <p>HPC^{*6} within $\pm 30.0\%$, or $\pm 10/\mu\text{L}$</p> <p>^{*1} In the case of HGB, the hemoglobin analysis method using the cyanmethemoglobin (HiCN) method in accordance with the recommendations of the ICSH (International Council for Standardization in Haematology).</p> <p>In the case of HCT, the standard analysis method in accordance with the recommendations of the ICSH (International Council for Standardization in Haematology).</p> <p>^{*2} PLT counted in the RBC/PLT channels (PLT particle size distribution).</p> <p>^{*3} PLT counted in the RET channels.</p> <p>^{*4} PLT counted in the PLT-F channels.</p> <p>^{*5} These items do not appear with all analyzer types.</p> <p>^{*6} [HPC] mode.</p>

Accuracy (blood cell count) [Pre-Dilution] mode	<p>Indicated as the average value of the difference between the measured values of at least 100 samples of diluted peripheral blood and values measured on a standard instrument or international standard methods*¹ (HGB and HCT only).</p> <p>WBC within $\pm 10\%$</p> <p>RBC within $\pm 8\%$</p> <p>HGB within $\pm 5\%$</p> <p>HCT within $\pm 4\%$ or $\pm 2.0\text{HCT}$</p> <p>MCV within $\pm 4\%$ or $\pm 3.0\text{ fL}$</p>
	<p>Indicated as a correlation factor with the reference data when at least 100 samples of diluted peripheral blood are analyzed. The reference data are obtained by the standard analysis method or standard instrument method (IPF only) by the flow cytometry method based on the international standards.</p> <p>PLT*² within $\pm 10\%$</p> <p>PLT*^{3,5} within $\pm 15\%$</p> <p>PLT*^{4,5} within $\pm 10\%$</p> <p>MPV within $\pm 7\%$ or $\pm 1.5\text{ fL}$ (PLT $100 \times 10^3/\mu\text{L}$ or more)</p> <p>PCT within $\pm 7\%$ or $\pm 0.04\text{ PCT}$ (PLT $100 \times 10^3/\mu\text{L}$ or more)</p> <p>IPF*⁵ $r = 0.5$ or more</p> <p>*¹ In the case of HGB, the hemoglobin analysis method using the cyanmethemoglobin (HiCN) method in accordance with the recommendations of the ICSH (International Council for Standardization in Haematology). In the case of HCT, the standard analysis method in accordance with the recommendations of the ICSH (International Council for Standardization in Haematology).</p> <p>*² PLT counted in the RBC/PLT channels (PLT particle size distribution).</p> <p>*³ PLT counted in the RET channels.</p> <p>*⁴ PLT counted in the PLT-F channels.</p> <p>*⁵ These items do not appear with all analyzer types.</p>
Accuracy (blood cell count) [Body Fluid] mode*²	<p>Indicates the correlation with the reference method and the slope of the regression line when 50 or more body fluid samples are analyzed. The reference data are obtained by the visual observation method.</p> <p>WBC-BF $r=0.9$ or more, and within slope $=1 \pm 0.3$</p> <p>RBC-BF $r=0.8$ or more, and within slope $=1 \pm 0.3$</p> <p>TC-BF# $r=0.9$ or more, and within slope $=1 \pm 0.3$</p>

*¹ The HPC analysis can only be performed if the instrument offers the HPC analysis mode.

*² The body fluid analysis can only be performed if the instrument offers the body fluid analysis mode.