Accuracy (differential blood count) [Whole blood] mode [HPC] mode	Indicated as a correlation factor with the reference data when at least 100 samples (at least 20 samples for NRBC and IG) of peripheral blood (samples with nucleated RBC for NRBC, samples with immature granulocyte for IG) are analyzed. The reference data is obtained by a standard analysis method that uses the flow cytometry method, based on the standard instrument, standard 5-category white blood cell analysis method, standard NRBC analysis method, or standard immature granulocyte analysis method. NRBC% r = 0.80 or more NEUT% r = 0.90 or more LYMPH% r = 0.90 or more MONO% r = 0.75 or more EO% r = 0.80 or more BASO% r = 0.50 or more IG% r = 0.80 or more Indicated as the average value of the difference between the measured values of at least 100 samples (at least 20 samples for NRBC and IG) of peripheral blood (samples with nucleated RBC for NRBC, samples with immature granulocyte for IG) and values measured on a standard instrument. NEUT% within ±3.0 NEUT% LYMPH% within ±3.0 LYMPH% MONO% within ±2.0 MONO% EO% within ±1.0 EO% BASO% within ±1.0 BASO% IG% within ±1.5 IG%

Accuracy (differential blood count) [Pre-Dilution] mode	Indicated as a correlation factor with the reference data when at least 100 samples (at least 20 samples for NRBC and IG) of diluted peripheral blood (samples with nucleated RBC for NRBC, samples with immature granulocyte for IG) are analyzed. The reference data is obtained by a standard analysis method that uses the flow cytometry method, based on the standard instrument, standard 5-category white blood cell analysis method, standard NRBC analysis method, or standard immature granulocyte analysis method. NRBC% r = 0.70 or more NEUT% r = 0.70 or more LYMPH% r = 0.70 or more MONO% r = 0.60 or more EO% r = 0.60 or more BASO% r = 0.50 or more Indicated as the average value of the difference between the measured values of at least 100 samples (at least 20 samples for NRBC and IG) of diluted peripheral blood (samples with nucleated RBC for NRBC, samples with immature granulocyte for IG) and values measured on a standard instrument. NEUT% within ±3.0 NEUT% LYMPH% within ±3.0 LYMPH% MONO% within ±2.0 MONO% EO% within ±1.0 EO% BASO% within ±1.0 BASO%
Accuracy (differential blood count) [Body Fluid] mode*2	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 a method in which slides created by sight spin method are visually classified. MN# r = 0.9 or more, and within slope=1 ±0.5 PMN# r = 0.9 or more, and within slope=1 ±0.5 MN% r = 0.7 or more, and within slope=1 ±0.5 PMN% r = 0.7 or more, and within slope=1 ±0.5

*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 (reticulocyte parameters*1) [Whole blood] mode [HPC] mode*2	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 instrument method or the visual observation method. RET% r = 0.90 or more RET# r = 0.90 or more RET-He r = 0.9 or more (More than the half of the samples are RET# 0.020 x 10^6/µL or more) RBC-He r = 0.9 or more Delta-He RET-He r = 0.9 or more, RBC-He r = 0.9 or more 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. RET% within ±20% or ±0.30 RET% RET# within ±20% or ±0.0150 x 10^6/µL IRF within ±30% or ±10.0 IRF (within 40.0 IRF*) LFR within ±30% or ±10.0 LFR (within 35.0 LFR*) MFR within ±30% or ±10.0 MFR (within 30.0 MFR*) HFR within ±30% or ±5.0 HFR (within 15.0 HFR*) * Control blood or calibrator
Accuracy (reticulocyte parameters*1) [Pre-Dilution] mode	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 instrument method or the visual observation method. RET% r = 0.80 or more RET# r = 0.80 or more RET-He r = 0.7 or more RBC-He r = 0.7 or more Delta-He RET-He r = 0.7 or more, RBC-He r = 0.7 or more 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. RET% within ±30% or ±0.50 RET% RET# within ±30% or ±0.020 x 10^6/µL IRF within ±50% or ±10.0 IRF LFR within ±50% or ±10.0 LFR MFR within ±50% or ±10.0 MFR HFR within ±50% or ±5.0 HFR

*1 These items do not appear with all analyzer types.

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

Linearity [Whole blood] mode [HPC] mode*	Indicated as a logical value or a residual or residual rate with respect to the value measured on a standard instrument. WBC within ±3% or ±0.20 x 10^3/µL (0.00 to 100.00 x 10^3/µL) within ±6% (100.01 to 310.00 x 10^3/µL) within ±11% (310.01 to 440.00 x 10^3/µL) RBC within ±2% or ±0.03 x 10^6/µL (0.00 to 8.00 x 10^6/µL) within ±4% or ±0.06 x 10^6/µL (8.01 to 8.60 x 10^6/µL) HGB within ±2% or ±0.2 g/dL (0.0 to 25.0 g/dL, 0.00 to 15.52 mmol/L) within ±5% or ±0.5 g/dL (25.1 to 26.0 g/dL, 15.53 to 16.14 mmol/L) HCT within ±3% or ±1.0 HCT (0.0 to 75.0%) PLT*1 within ±5% or ±10 x 10^3/µL (0 to 1000 x 10^3/µL) within ±6% (1001 to 5000 x 10^3/µL) PLT*2,4 within ±7% or ±10 x 10^3/µL (0 to 5000 x 10^3/µL) PLT*3,4 within ±5% or ±10 x 10^3/µL (0 to 1000 x 10^3/µL) within ±6% (1001 to 5000 x 10^3/µL) NRBC# within ±10% or ±0.20 x 10^3/µL (0.00 to 20.00 x 10^3/µL) NRBC% within ±20% or ±2.0 NRBC% (0.0 to 600.0/100WBC) RET%*4 within ±20% or ±0.30 RET% (0.00 to 30.00%) RET#*4 within ±20% or ±0.0150 x 10^6/µL (0.0000 to 0.7200 x 10^6/µL) *1 PLT counted in the RBC/PLT channels (PLT particle size distribution). *2 PLT counted in the RET channels. *3 PLT counted in the PLT-F channels. *4 These items do not appear with all analyzer types.
Linearity [Body Fluid] mode*	Indicated as a logical value or a residual or residual rate with respect to the value measured on a standard instrument. This specification is based on the verification using control blood. WBC-BF within ±0.010 x 10^3/µL (0.000 to 0.050 x 10^3/µL, RBC < 1.000 x 10^6/µL) within ±20% (0.051 to 10.000 x 10^3/µL, RBC < 1.000 x 10^6/µL) RBC-BF within ±2% or ±0.010 x 10^6/µL (0.000 to 5.000 x 10^6/µL) TC-BF# within ±0.010 x 10^3/µL (0.000 to 0.050 x 10^3/µL, RBC < 1.000 x 10^6/µL) within ±20% (0.051 to 10.000 x 10^3/µL, RBC < 1.000 x 10^6/µL)

* The availability of these functions depends on your system configuration.

Carryover [Whole blood] mode [Pre-Dilution] mode [RPC] mode*1	WBC	1.0% or less
	RBC	1.0% or less
	HGB	1.0% or less
	HCT	1.0% or less
	PLT	1.0% or less
	NRBC#	2.0% or 0.02 x 10^3/µL or less
	NEUT#	2.0% or 0.05 x 10^3/µL or less
	LYMPH#	2.0% or 0.05 x 10^3/µL or less
	MONO#	2.0% or 0.03 x 10^3/µL or less
	EO#	2.0% or 0.03 x 10^3/µL or less
	BASO#	2.0% or 0.03 x 10^3/µL or less
Carryover [Body Fluid] mode*2	WBC-BF	0.3 % or 0.001 x 10^3/µL or less
	RBC-BF	0.3 % or 0.003 x 10^6/µL or less
	TC-BF#	0.3 % or 0.001 x 10^3/µL or less

*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.

Sample Stability with Time after Blood Collection	Changes after blood is taken are shown below.	
8 hours	HCT	within +5.0%
	MCV	within +5.0%
24 hours	HCT	within +8.0% (in a refrigerator), within +15.0% (stored at 18 to 26°C)
	MCV	within +8.0% (in a refrigerator), within +15.0% (stored at 18 to 26°C)
	NRBC%	within ±10.0% or ± 3.0 / 100 WBC
	IG%	within ±2.0 IG%
	RET%*1	within ± 20.0% or ±0.3 RET%
	RET#*1	within ± 20.0% or ±0.015 x 10^6/µL
	IRF*1	within ± 30.0% or ±10.0 IRF
	LFR*1	within ± 30.0% or ±10.0 LFR
	MFR*1	within ± 30.0% or ±10.0 MFR
	HFR*1	within ± 30.0% or ±5.0 HFR
	RET-He*1	within ± 8.0% (RET# 0.0100 x 10^6/µL or more)
	RBC-He*1	within ± 8.0%
	Delta-He*1	RET-He, RBC-He within ± 8.0% (RET# 0.0100 x 10^6/µL or more)
	NEUT-RI*2	within ±8.0%
	NEUT-GI*2	within ±8.0%
	IPF	within ± 30.0% or ±2.0 IPF% (PLT 100 x 10^3/µL or more, IPF 2.0% or more)
36 hours	NEUT%	within ±8.0 NEUT%
	LYMPH%	within ±7.0 LYMPH%
	MONO%	within ±3.0 MONO%
	EO%	within ±3.0 EO%
	BASO%	within ±1.0 BASO%
48 hours	PLT*3	within ±10% or ± 30 x 10^3/µL
	PLT*1,4	within ±15.0%
	PLT*1,5	within ±10.0% or ± 30 x 10^3/µL
	NEUT%	within ±8.0 NEUT%
	LYMPH%	within ±7.0 LYMPH%
	MONO%	within ±4.0 MONO%
	EO%	within ±3.0 EO%
	BASO%	within ±1.0 BASO%
72 hours	WBC	within ±10.0%
	RBC	within ±5.0%
	HGB	within ±5.0%

*1 These items do not appear with all analyzer types.
*2 The availability of these functions depends on your system configuration.
*3 PLT counted in the RBC/PLT channels (PLT particle size distribution).
*4 PLT counted in the RET channels.
*5 PLT counted in the PLT-F channels.

Note:

The data are the values when analyzing the samples stored at 18 to 26°C or in a refrigerator (2 to 8°C). If the samples were refrigerated, they were restored to room temperature before analyzing. Depending on how the samples were stored, the values may not fall within the above range.

Data Storage Capacity	Samples stored:	100,000 samples
	Patient information:	10,000 records
	Wards registered:	200 wards
	Doctor names registered:	200 names
	Analysis registration function:	2,000 records
	QC files:	99 files per analyzer (300 plots per file)
	Reagent replacement history:	5,000 records
	Maintenance history:	5,000 records
Quality Control	X-bar control (L-J control):	300 plots x 94 files
	X-barM control:	300 plots x 5 files