

# CBC-3D®

For Genrui  
HEMATOLOGY CONTROLS

**CONTROL**

Assay values and ranges provided by Genrui

ASSAY VALUES AND EXPECTED RANGES

**LOT B1121**

**2022/02/05**

Instrument	Parameter	Low		Normal		High	
		LOT	B1121L	LOT	B1121N	LOT	B1121H
Genrui KT-6400, KT-63**, KT-6200 version 2.84 or lower	WBC	10 <sup>9</sup> /L	2.0 ± 0.5	8.0 ± 1.0	20.6 ± 2.5		
	LYM	%	55.7 ± 12.0	29.1 ± 8.0	11.1 ± 6.0		
	MID	%	8.7 ± 8.7	5.2 ± 5.2	4.6 ± 4.6		
	NEUT	%	35.6 ± 10.0	65.8 ± 8.0	84.3 ± 8.0		
	LYM#	10 <sup>9</sup> /L	1.1 ± 0.3	2.3 ± 0.7	2.3 ± 1.3		
	MID#	10 <sup>9</sup> /L	0.2 ± 0.2	0.4 ± 0.4	1.0 ± 1.0		
	NEUT#	10 <sup>9</sup> /L	0.7 ± 0.3	5.3 ± 0.7	17.4 ± 1.7		
	RBC	10 <sup>12</sup> /L	2.28 ± 0.18	4.23 ± 0.24	5.26 ± 0.30		
	HGB	g/L	58 ± 4	132 ± 6	184 ± 8		
	HCT	%	18.0 ± 1.5	37.8 ± 2.0	51.2 ± 2.4		
	MCV	fL	79.2 ± 5.0	89.5 ± 5.0	97.4 ± 5.0		
	MCH	pg	25.5 ± 2.5	31.2 ± 2.5	35.0 ± 2.5		
	MCHC	g/L	324 ± 30	349 ± 30	359 ± 30		
	RDW-CV	%	16.5 ± 3.0	15.0 ± 3.0	14.3 ± 3.0		
	PLT	10 <sup>9</sup> /L	72 ± 20	261 ± 40	477 ± 60		
	MPV	fL	9.8 ± 3.0	10.4 ± 3.0	10.0 ± 3.0		
	Genrui KT-6400, KT-63xx, KT-6200 version 2.85 or higher	WBC	10 <sup>9</sup> /L	2.0 ± 0.5	8.0 ± 1.0	22.0 ± 2.5	
		LYM	%	56.0 ± 12.0	29.7 ± 8.0	10.9 ± 6.0	
		MID	%	7.3 ± 7.3	4.8 ± 4.8	4.8 ± 4.8	
NEUT		%	36.6 ± 10.0	65.6 ± 8.0	84.3 ± 8.0		
LYM#		10 <sup>9</sup> /L	1.1 ± 0.3	2.4 ± 0.7	2.4 ± 1.4		
MID#		10 <sup>9</sup> /L	0.1 ± 0.1	0.4 ± 0.4	1.1 ± 1.1		
NEUT#		10 <sup>9</sup> /L	0.7 ± 0.2	5.2 ± 0.7	18.5 ± 1.8		
RBC		10 <sup>12</sup> /L	2.23 ± 0.18	4.51 ± 0.24	5.72 ± 0.30		
HGB		g/L	58 ± 4	132 ± 6	185 ± 8		
HCT		%	17.7 ± 1.5	40.6 ± 2.0	56.0 ± 2.4		
MCV		fL	79.6 ± 5.0	90.2 ± 5.0	98.0 ± 5.0		
MCH		pg	25.9 ± 2.5	29.2 ± 2.5	32.2 ± 2.5		
MCHC		g/L	327 ± 30	325 ± 30	330 ± 30		
RDW-CV		%	17.5 ± 3.0	16.2 ± 3.0	15.6 ± 3.0		
PLT		10 <sup>9</sup> /L	69 ± 20	268 ± 40	524 ± 60		
MPV		fL	11.7 ± 3.0	11.9 ± 3.0	11.6 ± 3.0		
Genrui New KT-6300,KT-6390, KT-6400		WBC	10 <sup>9</sup> /L	2.01 ± 0.50	7.95 ± 1.00	21.96 ± 2.50	
		LYM#	10 <sup>9</sup> /L	1.09 ± 0.30	2.14 ± 0.70	2.09 ± 1.40	
		MID#	10 <sup>9</sup> /L	0.27 ± 0.27	0.52 ± 0.52	1.43 ± 1.43	
	NEUT#	10 <sup>9</sup> /L	0.65 ± 0.30	5.29 ± 0.70	18.44 ± 1.80		
	LYM	%	54.2 ± 12.0	26.1 ± 8.0	9.5 ± 6.0		
	MID	%	13.4 ± 13.4	6.4 ± 6.4	6.5 ± 6.5		
	NEUT	%	32.5 ± 10.0	67.5 ± 8.0	84.0 ± 8.0		
	RBC	10 <sup>12</sup> /L	2.40 ± 0.18	4.66 ± 0.24	5.73 ± 0.30		
	HGB	g/L	58 ± 4	133 ± 6	184 ± 8		
	HCT	%	19.2 ± 1.5	42.0 ± 2.0	56.3 ± 2.4		
	MCV	fL	79.9 ± 5.0	90.1 ± 5.0	98.3 ± 5.0		
	MCH	pg	24.3 ± 2.5	28.6 ± 2.5	32.1 ± 2.5		
	MCHC	g/L	304 ± 30	317 ± 30	327 ± 30		
	RDW-CV	%	17.5 ± 5.0	16.3 ± 5.0	15.5 ± 5.0		
	RDW-SD	fL	50.6 ± 10.0	53.3 ± 10.0	55.6 ± 10.0		
	PLT	10 <sup>9</sup> /L	63 ± 20	243 ± 40	472 ± 60		
	MPV	fL	9.1 ± 3.0	9.4 ± 3.0	9.4 ± 3.0		
	PDW-CV	%	14.2 ± 5.0	14.6 ± 5.0	14.6 ± 5.0		
	PDW-SD	fL	14.6 ± 5.0	15.1 ± 5.0	14.3 ± 5.0		
PCT	%	0.058 ± 0.050	0.228 ± 0.100	0.442 ± 0.200			
P-LCR	%	24.8 ± 15.0	27.2 ± 10.0	25.9 ± 10.0			

Notes: Before using, refer to the instruction sheet for mixing directions.

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PDW's reference value: NEW KT-6300,6390,6400(Low:17.0±10.0 Normal:17.0±10.0 High:17.0±10.0).

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ASSAY VALUES AND EXPECTED RANGES

**LOT** B1121

 2022/02/05

Instrument	Parameter	Low		Normal		High	
		LOT	B1121L	LOT	B1121N	LOT	B1121H
Genrui KT-60,KT-40	WBC	10 <sup>9</sup> /L	2.00 ± 0.50	7.96 ± 1.00	22.11 ± 2.50		
	LYM#	10 <sup>9</sup> /L	1.10 ± 0.30	2.18 ± 0.70	2.07 ± 1.40		
	MID#	10 <sup>9</sup> /L	0.26 ± 0.26	0.53 ± 0.53	1.41 ± 1.41		
	NEUT#	10 <sup>9</sup> /L	0.64 ± 0.20	5.25 ± 0.70	18.62 ± 1.80		
	LYM	%	54.9 ± 12.0	27.4 ± 8.0	9.4 ± 6.0		
	MID	%	13.2 ± 13.2	6.6 ± 6.6	6.4 ± 6.4		
	NEUT	%	31.9 ± 10.0	66.0 ± 8.0	84.2 ± 8.0		
	RBC	10 <sup>12</sup> /L	2.36 ± 0.18	4.63 ± 0.24	5.80 ± 0.30		
	HGB	g/L	58 ± 4	132 ± 6	183 ± 8		
	HCT	%	18.9 ± 1.5	42.0 ± 2.0	57.3 ± 2.4		
	MCV	fL	80.3 ± 5.0	90.6 ± 5.0	98.8 ± 5.0		
	MCH	pg	24.5 ± 2.5	28.3 ± 2.5	31.6 ± 2.5		
	MCHC	g/L	305 ± 30	313 ± 30	320 ± 30		
	RDW-CV	%	19.0 ± 3.0	17.2 ± 3.0	15.8 ± 3.0		
	RDW-SD	fL	58.7 ± 10.0	60.6 ± 10.0	60.7 ± 10.0		
	PLT	10 <sup>9</sup> /L	64 ± 20.0	252 ± 40.0	489 ± 60.0		
	MPV	fL	10.0 ± 3.0	10.6 ± 3.0	10.4 ± 3.0		
	PDW-CV	%	14.7 ± 5.0	14.8 ± 5.0	14.6 ± 5.0		
	PDW-SD	fL	17.0 ± 5.0	17.5 ± 5.0	16.5 ± 5.0		
	PCT	%	0.065 ± 0.050	0.269 ± 0.100	0.511 ± 0.200		
P-LCC	10 <sup>9</sup> /L	21 ± 15	90 ± 25	163 ± 35			
P-LCR	%	32.3 ± 15.0	35.5 ± 10.0	33.4 ± 10.0			
Genrui KT-6300 VET	WBC	10 <sup>9</sup> /L	1.8 ± 0.5	7.6 ± 1.0	20.3 ± 2.5		
	LYM	%	53.3 ± 12.0	28.5 ± 8.0	10.4 ± 6.0		
	MID	%	5.8 ± 5.8	4.5 ± 4.5	3.6 ± 3.6		
	NEUT	%	41.0 ± 10.0	67.1 ± 8.0	86.0 ± 8.0		
	LYM#	10 <sup>9</sup> /L	1.0 ± 0.3	2.2 ± 0.7	2.1 ± 1.3		
	MID#	10 <sup>9</sup> /L	0.1 ± 0.1	0.3 ± 0.3	0.7 ± 0.7		
	NEUT#	10 <sup>9</sup> /L	0.7 ± 0.2	5.1 ± 0.7	17.5 ± 1.7		
	RBC	10 <sup>12</sup> /L	2.25 ± 0.24	4.62 ± 0.30	5.78 ± 0.40		
	HGB	g/L	59 ± 6	134 ± 8	184 ± 10		
	HCT	%	18.5 ± 2.0	42.7 ± 2.4	58.1 ± 2.7		
	MCV	fL	82.2 ± 5.0	92.8 ± 5.0	100.6 ± 5.0		
	MCH	pg	26.0 ± 2.5	29.1 ± 2.5	31.8 ± 2.5		
	MCHC	g/L	317 ± 30	315 ± 30	316 ± 30		
	RDW-CV	%	17.7 ± 3.0	16.2 ± 3.0	15.6 ± 3.0		
	PLT	10 <sup>9</sup> /L	56 ± 30	233 ± 40	456 ± 60		
	MPV	fL	11.2 ± 3.0	11.2 ± 3.0	10.9 ± 3.0		
Genrui VH30	WBC	10 <sup>9</sup> /L	1.78 ± 0.50	6.88 ± 1.00	18.14 ± 2.50		
	LYM#	10 <sup>9</sup> /L	1.00 ± 0.30	2.09 ± 0.60	2.02 ± 1.10		
	MID#	10 <sup>9</sup> /L	0.23 ± 0.23	0.48 ± 0.48	1.24 ± 1.24		
	NEUT#	10 <sup>9</sup> /L	0.55 ± 0.20	4.31 ± 0.60	14.89 ± 1.50		
	LYM	%	56.2 ± 12.0	30.3 ± 8.0	11.1 ± 6.0		
	MID	%	12.9 ± 12.9	7.0 ± 7.0	6.8 ± 6.8		
	NEUT	%	30.9 ± 10.0	62.7 ± 8.0	82.1 ± 8.0		
	RBC	10 <sup>12</sup> /L	2.13 ± 0.24	4.39 ± 0.30	5.55 ± 0.40		
	HGB	g/L	52 ± 6	118 ± 8	162 ± 10		
	HCT	%	17.4 ± 2.0	40.3 ± 2.4	55.3 ± 2.7		
	MCV	fL	81.8 ± 5.0	91.9 ± 5.0	99.6 ± 5.0		
	MCH	pg	24.3 ± 2.5	26.9 ± 2.5	29.1 ± 2.5		
	MCHC	g/L	297 ± 30	293 ± 30	292 ± 30		
	RDW-CV	%	18.7 ± 3.0	16.7 ± 3.0	15.5 ± 3.0		
	RDW-SD	fL	60.8 ± 10.0	62.0 ± 10.0	63.0 ± 10.0		
	PLT	10 <sup>9</sup> /L	67 ± 30	267 ± 40	519 ± 60		
	MPV	fL	9.7 ± 3.0	10.2 ± 3.0	10.0 ± 3.0		
	PDW-CV	%	14.5 ± 5.0	14.8 ± 5.0	14.6 ± 5.0		
	PDW-SD	fL	15.9 ± 5.0	16.9 ± 5.0	16.2 ± 5.0		
PCT	%	0.065 ± 0.050	0.273 ± 0.100	0.517 ± 0.200			
P-LCC	10 <sup>9</sup> /L	20 ± 15	88 ± 25	161 ± 35			
P-LCR	%	29.5 ± 15.0	33.0 ± 10.0	31.1 ± 10.0			

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