

# CBC-3D®

For Genrui  
HEMATOLOGY CONTROLS

**CONTROL**

Assay values and ranges provided by Genrui

ASSAY VALUES AND EXPECTED RANGES

LOT B0824

2024/11/05

Instrument	Parameter	Low		Normal		High	
		LOT	B0824L	LOT	B0824N	LOT	B0824H
Genrui KT-6400, KT-63xx, KT-6200 version 2.87	WBC	10 <sup>9</sup> /L	2.0 ± 0.5		8.3 ± 1.0		22.8 ± 2.5
	LYM	%	58.6 ± 12.0		28.4 ± 8.0		11.8 ± 6.0
	MID	%	7.2 ± 7.2		9.6 ± 9.6		8.2 ± 8.2
	NEUT	%	34.2 ± 10.0		62.0 ± 8.0		80.1 ± 8.0
	LYM#	10 <sup>9</sup> /L	1.2 ± 0.3		2.4 ± 0.7		2.7 ± 1.4
	MID#	10 <sup>9</sup> /L	0.1 ± 0.1		0.8 ± 0.8		1.9 ± 1.9
	NEUT#	10 <sup>9</sup> /L	0.7 ± 0.2		5.2 ± 0.7		18.2 ± 1.9
	RBC	10 <sup>12</sup> /L	2.08 ± 0.18		4.57 ± 0.24		5.78 ± 0.30
	HGB	g/L	58 ± 4		141 ± 6		191 ± 8
	HCT	%	16.9 ± 1.5		42.1 ± 2.0		58.0 ± 2.4
	MCV	fL	82.1 ± 5.0		92.0 ± 5.0		100.4 ± 5.0
	MCH	pg	28.1 ± 2.5		30.6 ± 2.5		33.1 ± 2.5
	MCHC	g/L	343 ± 30		333 ± 30		330 ± 30
	RDW-CV	%	16.3 ± 3.0		15.1 ± 3.0		14.8 ± 3.0
	PLT	10 <sup>9</sup> /L	70 ± 20		246 ± 40		500 ± 60
	MPV	fL	11.3 ± 3.0		10.8 ± 3.0		10.5 ± 3.0
	Genrui KT-6300 VET	WBC	10 <sup>9</sup> /L	1.8 ± 0.5		7.7 ± 1.0	
LYM		%	52.3 ± 12.0		25.8 ± 8.0		10.2 ± 6.0
MID		%	8.2 ± 8.2		5.9 ± 5.9		4.0 ± 4.0
NEUT		%	39.5 ± 10.0		68.4 ± 8.0		85.8 ± 8.0
LYM#		10 <sup>9</sup> /L	0.9 ± 0.3		2.0 ± 0.7		2.1 ± 1.3
MID#		10 <sup>9</sup> /L	0.1 ± 0.1		0.5 ± 0.5		0.8 ± 0.8
NEUT#		10 <sup>9</sup> /L	0.8 ± 0.2		5.2 ± 0.7		17.6 ± 1.7
RBC		10 <sup>12</sup> /L	2.13 ± 0.24		4.74 ± 0.30		5.96 ± 0.40
HGB		g/L	57 ± 6		137 ± 8		186 ± 10
HCT		%	18.0 ± 2.0		44.4 ± 2.4		60.2 ± 2.7
MCV		fL	84.0 ± 5.0		93.5 ± 5.0		101.7 ± 5.0
MCH		pg	26.5 ± 2.5		28.8 ± 2.5		31.4 ± 2.5
MCHC		g/L	316 ± 30		309 ± 30		309 ± 30
RDW-CV		%	17.0 ± 3.0		15.7 ± 3.0		14.9 ± 3.0
PLT		10 <sup>9</sup> /L	59 ± 30		214 ± 40		446 ± 60
MPV		fL	10.9 ± 3.0		10.4 ± 3.0		10.2 ± 3.0
Genrui New KT-6300,KT-6390, KT-6400		WBC	10 <sup>9</sup> /L	2.08 ± 0.50		8.48 ± 1.00	
	LYM#	10 <sup>9</sup> /L	1.20 ± 0.30		2.34 ± 0.70		2.31 ± 1.40
	MID#	10 <sup>9</sup> /L	0.25 ± 0.25		0.81 ± 0.81		1.72 ± 1.72
	NEUT#	10 <sup>9</sup> /L	0.63 ± 0.30		5.33 ± 0.70		18.51 ± 1.90
	LYM	%	57.7 ± 12.0		27.6 ± 8.0		10.3 ± 6.0
	MID	%	11.8 ± 11.8		9.6 ± 9.6		7.6 ± 7.6
	NEUT	%	30.5 ± 10.0		62.8 ± 8.0		82.1 ± 8.0
	RBC	10 <sup>12</sup> /L	2.27 ± 0.18		4.77 ± 0.24		5.80 ± 0.30
	HGB	g/L	59 ± 4		139 ± 6		190 ± 8
	HCT	%	18.8 ± 1.5		44.1 ± 2.0		58.5 ± 2.4
	MCV	fL	82.8 ± 5.0		92.4 ± 5.0		100.9 ± 5.0
	MCH	pg	26.1 ± 2.5		29.2 ± 2.5		32.7 ± 2.5
	MCHC	g/L	315 ± 30		316 ± 30		325 ± 30
	RDW-CV	%	16.7 ± 5.0		15.6 ± 5.0		15.2 ± 5.0
	RDW-SD	fL	50.4 ± 10.0		52.7 ± 10.0		56.2 ± 10.0
	PLT	10 <sup>9</sup> /L	71 ± 20		241 ± 40		480 ± 60
	MPV	fL	8.5 ± 3.0		8.4 ± 3.0		8.5 ± 3.0
PDW-CV	%	14.5 ± 5.0		14.2 ± 5.0		14.3 ± 5.0	
PDW-SD	fL	13.8 ± 5.0		12.6 ± 5.0		12.2 ± 5.0	
PCT	%	0.060 ± 0.050		0.202 ± 0.100		0.408 ± 0.200	
P-LCR	%	21.5 ± 15.0		20.3 ± 10.0		20.7 ± 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).

## Genrui Biotech Inc.

Address:4-10F, Building 3, Geya Technology Park, Guangming District,

518106, Shenzhen, P.R.China

Tel: +86 755 26835560 ext: 8026 Fax: +86 755 26678789

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ASSAY VALUES AND EXPECTED RANGES

**LOT B0824**

 **2024/11/05**

Instrument	Parameter	Low		Normal		High	
		LOT	B0824L	LOT	B0824N	LOT	B0824H
Genrui KT-60,KT-40	WBC	10 <sup>9</sup> /L	2.07 ± 0.50	8.46 ± 1.00	22.70 ± 2.50		
	LYM#	10 <sup>9</sup> /L	1.21 ± 0.30	2.31 ± 0.70	2.28 ± 1.40		
	MID#	10 <sup>9</sup> /L	0.24 ± 0.24	1.01 ± 1.01	2.15 ± 2.15		
	NEUT#	10 <sup>9</sup> /L	0.62 ± 0.30	5.15 ± 0.70	18.27 ± 1.90		
	LYM	%	58.7 ± 12.0	27.3 ± 8.0	10.1 ± 6.0		
	MID	%	11.4 ± 11.4	11.9 ± 11.9	9.5 ± 9.5		
	NEUT	%	29.9 ± 10.0	60.8 ± 8.0	80.5 ± 8.0		
	RBC	10 <sup>12</sup> /L	2.22 ± 0.18	4.80 ± 0.24	5.88 ± 0.30		
	HGB	g/L	59 ± 4	141 ± 6	190 ± 8		
	HCT	%	18.1 ± 1.5	43.7 ± 2.0	58.4 ± 2.4		
	MCV	fL	81.6 ± 5.0	91.0 ± 5.0	99.4 ± 5.0		
	MCH	pg	26.7 ± 2.5	29.4 ± 2.5	32.6 ± 2.5		
	MCHC	g/L	327 ± 30	323 ± 30	328 ± 30		
	RDW-CV	%	18.2 ± 3.0	16.5 ± 3.0	15.4 ± 3.0		
	RDW-SD	fL	57.4 ± 10.0	58.6 ± 10.0	59.8 ± 10.0		
	PLT	10 <sup>9</sup> /L	72 ± 20.0	251 ± 40.0	492 ± 60.0		
	MPV	fL	9.4 ± 3.0	9.5 ± 3.0	9.4 ± 3.0		
	PDW-CV	%	14.9 ± 5.0	14.6 ± 5.0	14.5 ± 5.0		
	PDW-SD	fL	15.5 ± 5.0	14.8 ± 5.0	14.2 ± 5.0		
	PCT	%	0.069 ± 0.050	0.239 ± 0.100	0.460 ± 0.200		
P-LCC	10 <sup>9</sup> /L	20 ± 15	68 ± 25	128 ± 35			
P-LCR	%	27.8 ± 15.0	27.1 ± 10.0	26.1 ± 10.0			
Genrui VH30	WBC	10 <sup>9</sup> /L	1.71 ± 0.50	6.90 ± 1.00	17.99 ± 2.50		
	LYM#	10 <sup>9</sup> /L	0.98 ± 0.30	2.02 ± 0.60	2.19 ± 1.10		
	MID#	10 <sup>9</sup> /L	0.20 ± 0.20	0.53 ± 0.53	1.24 ± 1.24		
	NEUT#	10 <sup>9</sup> /L	0.53 ± 0.20	4.36 ± 0.60	14.56 ± 1.50		
	LYM	%	57.3 ± 12.0	29.2 ± 8.0	12.2 ± 6.0		
	MID	%	11.4 ± 11.4	7.6 ± 7.6	6.9 ± 6.9		
	NEUT	%	31.3 ± 10.0	63.2 ± 8.0	80.9 ± 8.0		
	RBC	10 <sup>12</sup> /L	1.92 ± 0.24	4.33 ± 0.30	5.45 ± 0.40		
	HGB	g/L	51 ± 6	121 ± 8	166 ± 10		
	HCT	%	16.3 ± 2.0	40.7 ± 2.4	55.7 ± 2.7		
	MCV	fL	84.8 ± 5.0	94.1 ± 5.0	102.3 ± 5.0		
	MCH	pg	26.4 ± 2.5	27.9 ± 2.5	30.5 ± 2.5		
	MCHC	g/L	311 ± 30	296 ± 30	298 ± 30		
	RDW-CV	%	17.8 ± 3.0	16.0 ± 3.0	15.4 ± 3.0		
	RDW-SD	fL	60.4 ± 10.0	60.9 ± 10.0	64.0 ± 10.0		
	PLT	10 <sup>9</sup> /L	69 ± 30	252 ± 40	510 ± 60		
	MPV	fL	9.3 ± 3.0	9.2 ± 3.0	9.0 ± 3.0		
	PDW-CV	%	14.8 ± 5.0	14.6 ± 5.0	14.6 ± 5.0		
	PDW-SD	fL	15.2 ± 5.0	14.6 ± 5.0	14.1 ± 5.0		
	PCT	%	0.064 ± 0.050	0.232 ± 0.100	0.459 ± 0.200		
P-LCC	10 <sup>9</sup> /L	19 ± 15	66 ± 25	125 ± 35			
P-LCR	%	26.7 ± 15.0	25.9 ± 10.0	24.4 ± 10.0			
Genrui VH40	WBC	10 <sup>9</sup> /L	1.71 ± 0.50	6.90 ± 1.00	17.99 ± 2.50		
	NEUT#	10 <sup>9</sup> /L	0.53 ± 0.20	4.36 ± 0.60	14.56 ± 1.50		
	LYM#	10 <sup>9</sup> /L	0.98 ± 0.30	2.02 ± 0.60	2.19 ± 1.10		
	MON#	10 <sup>9</sup> /L	0.08 ± 0.08	0.21 ± 0.21	0.50 ± 0.50		
	EOS#	10 <sup>9</sup> /L	0.12 ± 0.12	0.31 ± 0.31	0.74 ± 0.74		
	NEUT	%	31.3 ± 10.0	63.2 ± 8.0	80.9 ± 8.0		
	LYM	%	57.3 ± 12.0	29.2 ± 8.0	12.2 ± 6.0		
	MON	%	4.6 ± 4.6	3.0 ± 3.0	2.8 ± 2.8		
	EOS	%	6.8 ± 6.8	4.6 ± 4.6	4.1 ± 4.1		
	RBC	10 <sup>12</sup> /L	1.92 ± 0.24	4.33 ± 0.30	5.45 ± 0.40		
	HGB	g/L	51 ± 6	121 ± 8	166 ± 10		
	HCT	%	16.3 ± 2.0	40.7 ± 2.4	55.7 ± 2.7		
	MCV	fL	84.8 ± 5.0	94.1 ± 5.0	102.3 ± 5.0		
	MCH	pg	26.4 ± 2.5	27.9 ± 2.5	30.5 ± 2.5		
	MCHC	g/L	311 ± 30	296 ± 30	298 ± 30		
	RDW-CV	%	17.8 ± 3.0	16.0 ± 3.0	15.4 ± 3.0		
	RDW-SD	fL	60.4 ± 10.0	60.9 ± 10.0	64.0 ± 10.0		
	PLT	10 <sup>9</sup> /L	69 ± 30	252 ± 40	510 ± 60		
	MPV	fL	9.3 ± 3.0	9.2 ± 3.0	9.0 ± 3.0		
	PDW-CV	%	14.8 ± 5.0	14.6 ± 5.0	14.6 ± 5.0		
PDW-SD	fL	15.2 ± 5.0	14.6 ± 5.0	14.1 ± 5.0			
PCT	%	0.064 ± 0.050	0.232 ± 0.100	0.459 ± 0.200			
P-LCC	10 <sup>9</sup> /L	19 ± 15	66 ± 25	125 ± 35			
P-LCR	%	26.7 ± 15.0	25.9 ± 10.0	24.4 ± 10.0			

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PDW's reference value:KT-60、VH30(Low:17.0±10.0 Normal:17.0±10.0 High:17.0±10.0).

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Address:4-10F, Building 3, Geya Technology Park, Guangming District,

518106, Shenzhen, P.R.China

Tel: +86 755 26835560 ext: 8026 Fax: +86 755 26678789