

CBC-3D

HEMATOLOGY CONTROL

Reference Values provided by DYMIND

CONTROL

LOT B1124

2024-10-09

2025-02-05

Applicable Instruments	Parameter	Unit	Low	Normal	High
DYMIND DH31 DH33 DH36 (Technical File Version A5.0 or higher) DH31 Vet DH36 Vet (Technical File Version A1.0 to A4.0)	WBC	$\times 10^9/L$	1.98 ± 0.60	7.68 ± 1.00	20.74 ± 2.50
	Lym%	%	60.7 ± 9.0	33.0 ± 8.0	16.2 ± 8.0
	Gran%	%	28.6 ± 9.0	60.8 ± 8.0	79.8 ± 8.0
	Mid%	%	10.7 ± 10.0	6.2 ± 6.0	4.0 ± 4.0
	Lym#	$\times 10^9/L$	1.20 ± 0.30	2.54 ± 0.70	3.36 ± 2.00
	Gran#	$\times 10^9/L$	0.57 ± 0.30	4.66 ± 0.70	16.55 ± 2.00
	Mid#	$\times 10^9/L$	0.21 ± 0.20	0.48 ± 0.48	0.83 ± 0.83
	RBC	$\times 10^{12}/L$	2.37 ± 0.24	4.68 ± 0.24	5.78 ± 0.30
	HGB	g/L	57 ± 6	135 ± 6	187 ± 8
	HCT	%	19.1 ± 2.0	43.3 ± 3.0	58.8 ± 4.0
	MCV	fL	80.4 ± 5.0	92.5 ± 5.0	101.9 ± 5.0
	MCH	pg	24.2 ± 2.5	28.8 ± 2.5	32.4 ± 2.5
	MCHC	g/L	300 ± 30	312 ± 30	318 ± 30
	RDW-CV	%	17.3 ± 3.0	17.1 ± 3.0	16.3 ± 3.0
	RDW-SD	fL	44.2 ± 8.0	50.3 ± 8.0	56.1 ± 8.0
	PLT	$\times 10^9/L$	67 ± 20	261 ± 40	515 ± 60
	MPV	fL	8.3 ± 3.0	8.7 ± 3.0	8.6 ± 3.0
	PDW	fL	10.0 ± 3.0	10.6 ± 3.0	10.5 ± 3.0
	PCT	%	0.056 ± 0.056	0.230 ± 0.200	0.443 ± 0.200
	P-LCR	%	16.5 ± 10.0	19.2 ± 10.0	18.2 ± 10.0
P-LCC	$\times 10^9/L$	15 ± 15	50 ± 25	94 ± 30	
PDW	/	16.1 ± 3.0	16.0 ± 3.0	16.2 ± 3.0	

【NOTE】

1. The controls should be stored in refrigerator (2°C~8°C). After opening, it will keep stable for 14 days when it is stored airtight at 2°C~8°C.
2. Before mixing and running the control after take it out from the refrigerator, please keep it at least 15 minutes until reaching room temperature(15°C~30°C).
3. Controls must be well mixed before using. Please mix gently, to avoid cells rupture and/or generating bubbles.
4. After using, put the controls back into the refrigerator to prevent contamination and evaporation.



Low



Normal



High

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DYMIND DH21 DH23 DH25 DH26 (Technical File Version A1.0 or higher)	WBC	$\times 10^9/L$	1.98 ± 0.60	7.55 ± 1.00	20.51 ± 2.50
	Lym%	%	61.2 ± 9.0	32.3 ± 8.0	15.4 ± 8.0
	Gran%	%	28.6 ± 9.0	61.5 ± 8.0	78.8 ± 8.0
	Mid%	%	10.2 ± 10.0	6.2 ± 6.0	5.8 ± 5.0
	Lym#	$\times 10^9/L$	1.21 ± 0.30	2.44 ± 0.70	3.16 ± 2.00
	Gran#	$\times 10^9/L$	0.57 ± 0.30	4.64 ± 0.70	16.16 ± 2.00
	Mid#	$\times 10^9/L$	0.20 ± 0.20	0.47 ± 0.47	1.19 ± 1.00
	RBC	$\times 10^{12}/L$	2.42 ± 0.24	4.65 ± 0.24	5.70 ± 0.30
	HGB	g/L	57 ± 6	135 ± 6	190 ± 8
	HCT	%	18.4 ± 2.0	39.6 ± 3.0	53.4 ± 4.0
	MCV	fL	76.3 ± 5.0	85.0 ± 5.0	93.5 ± 5.0
	MCH	pg	23.5 ± 2.5	29.0 ± 2.5	33.1 ± 2.5
	MCHC	g/L	315 ± 30	346 ± 30	362 ± 30
	RDW-CV	%	16.3 ± 3.0	15.5 ± 3.0	14.4 ± 3.0
	RDW-SD	fL	46.3 ± 8.0	48.9 ± 8.0	49.3 ± 8.0
	PLT	$\times 10^9/L$	66 ± 20	262 ± 40	528 ± 60
	MPV	fL	9.7 ± 3.0	9.6 ± 3.0	9.4 ± 3.0
	PDW	fL	9.7 ± 3.0	10.6 ± 3.0	10.5 ± 3.0
	PCT	%	0.067 ± 0.067	0.259 ± 0.200	0.511 ± 0.200
	P-LCR	%	25.3 ± 10.0	24.6 ± 10.0	23.4 ± 10.0
P-LCC	$\times 10^9/L$	17 ± 15	66 ± 25	127 ± 30	

【NOTE】

1. The controls should be stored in refrigerator (2°C~8°C). After opening, it will keep stable for 14 days when it is stored airtight at 2°C~8°C.
2. Before mixing and running the control after take it out from the refrigerator, please keep it at least 15 minutes until reaching room temperature(15°C~30°C).
3. Controls must be well mixed before using. Please mix gently, to avoid cells rupture and/or generating bubbles.
4. After using, put the controls back into the refrigerator to prevent contamination and evaporation.



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Applicable Instruments	Parameter	Unit	Low	Normal	High
DYMIND DH20 DH22 (Technical File Version B1.0 or higher)	WBC	$\times 10^9/L$	2.00 ± 0.60	7.72 ± 1.00	20.66 ± 2.50
	Lym%	%	60.4 ± 9.0	32.7 ± 8.0	16.4 ± 8.0
	Gran%	%	29.5 ± 9.0	61.0 ± 8.0	79.2 ± 8.0
	Mid%	%	10.1 ± 10.0	6.3 ± 6.0	4.4 ± 4.4
	Lym#	$\times 10^9/L$	1.21 ± 0.30	2.52 ± 0.70	3.38 ± 2.00
	Gran#	$\times 10^9/L$	0.59 ± 0.30	4.71 ± 0.70	16.37 ± 2.00
	Mid#	$\times 10^9/L$	0.20 ± 0.20	0.49 ± 0.49	0.91 ± 0.91
	RBC	$\times 10^{12}/L$	2.39 ± 0.24	4.70 ± 0.24	5.82 ± 0.30
	HGB	g/L	59 ± 6	137 ± 6	190 ± 8
	HCT	%	19.0 ± 2.0	41.5 ± 3.0	55.9 ± 4.0
	MCV	fL	79.8 ± 5.0	88.3 ± 5.0	96.0 ± 5.0
	MCH	pg	25.5 ± 2.5	29.9 ± 2.5	33.4 ± 2.5
	MCHC	g/L	325 ± 30	342 ± 30	353 ± 30
	RDW-CV	%	15.2 ± 3.0	14.2 ± 3.0	13.2 ± 3.0
	RDW-SD	fL	50.1 ± 8.0	53.1 ± 8.0	56.5 ± 8.0
	PLT	$\times 10^9/L$	65 ± 20	272 ± 40	551 ± 60
	MPV	fL	8.3 ± 3.0	8.8 ± 3.0	8.7 ± 3.0
	PDW	fL	12.4 ± 3.0	13.9 ± 3.0	13.7 ± 3.0
	PCT	%	0.052 ± 0.052	0.237 ± 0.200	0.472 ± 0.200
	P-LCR	%	28.9 ± 10.0	33.6 ± 10.0	32.7 ± 10.0
P-LCC	$\times 10^9/L$	18 ± 15	90 ± 25	176 ± 30	

【NOTE】

1. The controls should be stored in refrigerator (2°C~8°C). After opening, it will keep stable for 14 days when it is stored airtight at 2°C~8°C.
2. Before mixing and running the control after take it out from the refrigerator, please keep it at least 15 minutes until reaching room temperature(15°C~30°C).
3. Controls must be well mixed before using. Please mix gently, to avoid cells rupture and/or generating bubbles.
4. After using, put the controls back into the refrigerator to prevent contamination and evaporation.



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Applicable Instruments	Parameter	Unit	Low	Normal	High
DYMIND DH31 Vet DH36 Vet (Technical File Version A5.0 or higher)	WBC	$\times 10^9/L$	1.90 ± 0.60	7.41 ± 1.00	20.06 ± 2.50
	Lym%	%	58.9 ± 9.0	31.3 ± 8.0	15.6 ± 8.0
	Gran%	%	29.1 ± 9.0	62.1 ± 8.0	79.9 ± 8.0
	Mid%	%	12.0 ± 10.0	6.6 ± 6.0	4.5 ± 4.5
	Lym#	$\times 10^9/L$	1.12 ± 0.30	2.32 ± 0.70	3.14 ± 2.00
	Gran#	$\times 10^9/L$	0.55 ± 0.30	4.60 ± 0.70	16.02 ± 2.00
	Mid#	$\times 10^9/L$	0.23 ± 0.20	0.49 ± 0.49	0.90 ± 0.90
	RBC	$\times 10^{12}/L$	2.37 ± 0.30	4.64 ± 0.40	5.69 ± 0.30
	HGB	g/L	56 ± 6	128 ± 6	178 ± 8
	HCT	%	19.6 ± 2.0	42.8 ± 3.0	57.7 ± 4.0
	MCV	fL	82.4 ± 5.0	92.3 ± 5.0	101.4 ± 5.0
	MCH	pg	23.4 ± 2.5	27.7 ± 2.5	31.3 ± 2.5
	MCHC	g/L	293 ± 30	307 ± 30	316 ± 30
	RDW-CV	%	15.8 ± 3.0	14.8 ± 3.0	13.6 ± 3.0
	RDW-SD	fL	50.5 ± 8.0	53.1 ± 8.0	55.1 ± 8.0
	PLT	$\times 10^9/L$	63 ± 20	259 ± 40	532 ± 60
	MPV	fL	9.3 ± 3.0	9.5 ± 3.0	9.3 ± 3.0
	PDW	fL	9.8 ± 3.0	10.4 ± 3.0	10.3 ± 3.0
PCT	%	0.067 ± 0.067	0.281 ± 0.200	0.565 ± 0.200	

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DYMIND DH36X (Technical File Version A1.0 or higher)	WBC	$\times 10^9/L$	1.96 ± 0.60	7.76 ± 1.00	20.67 ± 2.50
	Lym%	%	68.3 ± 9.0	35.6 ± 8.0	17.6 ± 8.0
	Gran%	%	28.7 ± 9.0	59.4 ± 8.0	76.9 ± 8.0
	Mid%	%	3.0 ± 3.0	5.0 ± 5.0	5.5 ± 5.0
	Lym#	$\times 10^9/L$	1.34 ± 0.30	2.76 ± 0.70	3.63 ± 2.00
	Gran#	$\times 10^9/L$	0.56 ± 0.30	4.61 ± 0.70	15.90 ± 2.00
	Mid#	$\times 10^9/L$	0.06 ± 0.06	0.39 ± 0.39	1.14 ± 1.00
	RBC	$\times 10^{12}/L$	2.40 ± 0.24	4.63 ± 0.24	5.64 ± 0.30
	HGB	g/L	58 ± 6	134 ± 6	186 ± 8
	HCT	%	18.8 ± 2.0	40.5 ± 3.0	54.4 ± 4.0
	MCV	fL	78.4 ± 5.0	87.5 ± 5.0	96.5 ± 5.0
	MCH	pg	24.5 ± 2.5	29.5 ± 2.5	33.6 ± 2.5
	MCHC	g/L	317 ± 30	339 ± 30	353 ± 30
	RDW-CV	%	16.7 ± 3.0	15.6 ± 3.0	14.3 ± 3.0
	RDW-SD	fL	48.7 ± 8.0	51.1 ± 8.0	51.1 ± 8.0
	PLT	$\times 10^9/L$	67 ± 20	260 ± 40	530 ± 60
	MPV	fL	9.1 ± 3.0	9.4 ± 3.0	9.2 ± 3.0
	PDW	fL	11.7 ± 3.0	12.2 ± 3.0	12.2 ± 3.0
	PCT	%	0.063 ± 0.063	0.250 ± 0.200	0.498 ± 0.200
	P-LCR	%	25.7 ± 10.0	27.5 ± 10.0	26.6 ± 10.0
P-LCC	$\times 10^9/L$	18 ± 15	73 ± 25	144 ± 30	

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DYMIND DP-H10 Vet (Technical File Version A1.0 or higher)	WBC	$\times 10^9/L$	1.90 ± 0.80	7.41 ± 2.00	20.06 ± 4.50
	Lym%	%	58.9 ± 10.0	31.3 ± 8.0	15.6 ± 8.0
	Gran%	%	29.1 ± 12.0	62.1 ± 8.0	79.9 ± 8.0
	Mid%	%	12.0 ± 10.0	6.6 ± 5.0	4.5 ± 4.0
	Lym#	$\times 10^9/L$	1.12 ± 0.60	2.32 ± 1.00	3.14 ± 2.00
	Gran#	$\times 10^9/L$	0.55 ± 0.50	4.60 ± 1.80	16.02 ± 5.00
	Mid#	$\times 10^9/L$	0.23 ± 0.23	0.49 ± 0.49	0.90 ± 0.50
	RBC	$\times 10^{12}/L$	2.37 ± 0.50	4.64 ± 1.20	5.69 ± 1.20
	HGB	g/L	66 ± 15	138 ± 30	188 ± 40
	HCT	%	19.6 ± 5.0	42.8 ± 10.0	57.7 ± 15.0
	MCV	fL	82.4 ± 12.0	92.3 ± 8.0	101.4 ± 8.0
	MCH	pg	27.9 ± 3.0	30.9 ± 3.0	35.5 ± 3.0
	MCHC	g/L	361 ± 45	356 ± 45	374 ± 45
	RDW-CV	%	15.6 ± 3.0	15.1 ± 3.0	14.4 ± 3.0
	RDW-SD	fL	34.3 ± 8.0	37.4 ± 8.0	38.7 ± 8.0
	PLT	$\times 10^9/L$	76 ± 40	309 ± 80	456 ± 120
	MPV	fL	8.5 ± 4.0	8.8 ± 3.0	9.3 ± 3.0
PDW	fL	7.1 ± 7.1	7.2 ± 3.0	7.6 ± 3.0	
PCT	%	0.064 ± 0.064	0.273 ± 0.273	0.423 ± 0.400	

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