

CBC-3D

HEMATOLOGY CONTROL

Reference Values provided by DYMIND

CONTROL

LOT B0225

2025-01-06

2025-05-05

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	$\times 10^9/L$	2.00	± 0.60	8.10	± 1.00	22.00	± 2.50
	Lym%	%	58.6	± 9.0	29.1	± 8.0	10.7	± 8.0
	Gran%	%	28.7	± 9.0	61.0	± 8.0	85.0	± 8.0
	Mid%	%	12.7	± 10.0	9.9	± 6.0	4.3	± 4.0
	Lym#	$\times 10^9/L$	1.18	± 0.30	2.36	± 0.70	2.35	± 2.00
	Gran#	$\times 10^9/L$	0.57	± 0.30	4.94	± 0.70	18.70	± 2.00
	Mid#	$\times 10^9/L$	0.25	± 0.20	0.80	± 0.50	0.95	± 0.95
	RBC	$\times 10^{12}/L$	2.38	± 0.24	4.80	± 0.24	5.77	± 0.30
	HGB	g/L	59	± 6	140	± 6	188	± 8
	HCT	%	19.3	± 2.0	45.1	± 3.0	59.0	± 4.0
	MCV	fL	81.3	± 6.0	93.9	± 6.0	102.3	± 7.0
	MCH	pg	25.1	± 2.5	29.4	± 2.5	32.8	± 2.5
	MCHC	g/L	306	± 30	309	± 30	317	± 30
	RDW-CV	%	17.5	± 3.0	16.7	± 3.0	16.1	± 3.0
	RDW-SD	fL	49.3	± 8.0	54.6	± 8.0	57.2	± 8.0
	PLT	$\times 10^9/L$	78	± 20	263	± 40	533	± 60
	MPV	fL	8.5	± 3.0	8.7	± 3.0	8.4	± 3.0
	PDW	fL	10.4	± 3.0	10.4	± 3.0	10.2	± 3.0
	PCT	%	0.066	± 0.066	0.226	± 0.200	0.445	± 0.200
	P-LCR	%	17.7	± 10.0	18.7	± 10.0	17.6	± 10.0
	P-LCC	$\times 10^9/L$	14	± 14	49	± 25	93	± 30
	PDW	/	15.9	± 3.0	16.1	± 3.0	16.1	± 3.0

【NOTE】

1. The controls should be stored in refrigerator (2℃~8℃). After opening, it will keep stable for 14 days when it is stored airtight at 2℃~8℃.
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℃~30℃).
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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Applicable Instruments	Parameter	Unit	Low	Normal	High
DYMIND DH21 DH23 DH25 DH26 (Technical File Version A1.0 or higher)	WBC	$\times 10^9/L$	2.00 ± 0.60	7.80 ± 1.00	21.10 ± 2.50
	Lym%	%	60.1 ± 9.0	29.1 ± 8.0	10.2 ± 8.0
	Gran%	%	28.3 ± 9.0	61.9 ± 8.0	84.1 ± 8.0
	Mid%	%	11.6 ± 10.0	9.0 ± 6.0	5.7 ± 4.0
	Lym#	$\times 10^9/L$	1.20 ± 0.30	2.27 ± 0.70	2.15 ± 2.00
	Gran#	$\times 10^9/L$	0.57 ± 0.30	4.83 ± 0.70	17.75 ± 2.00
	Mid#	$\times 10^9/L$	0.23 ± 0.20	0.70 ± 0.50	1.20 ± 1.00
	RBC	$\times 10^{12}/L$	2.38 ± 0.24	4.70 ± 0.24	5.58 ± 0.30
	HGB	g/L	57 ± 6	137 ± 6	184 ± 8
	HCT	%	18.2 ± 2.0	40.4 ± 3.0	52.2 ± 4.0
	MCV	fL	76.3 ± 6.0	86.0 ± 6.0	93.5 ± 7.0
	MCH	pg	24.5 ± 2.5	30.0 ± 2.5	33.9 ± 2.5
	MCHC	g/L	328 ± 30	352 ± 30	369 ± 30
	RDW-CV	%	16.7 ± 3.0	14.9 ± 3.0	14.2 ± 3.0
	RDW-SD	fL	47.5 ± 8.0	47.8 ± 8.0	49.0 ± 8.0
	PLT	$\times 10^9/L$	71 ± 20	257 ± 40	531 ± 60
	MPV	fL	9.4 ± 3.0	9.2 ± 3.0	9.0 ± 3.0
	PDW	fL	9.5 ± 3.0	9.7 ± 3.0	9.7 ± 3.0
	PCT	%	0.064 ± 0.064	0.230 ± 0.200	0.464 ± 0.200
	P-LCR	%	22.8 ± 10.0	22.0 ± 10.0	20.9 ± 10.0
	P-LCC	$\times 10^9/L$	16 ± 15	55 ± 25	108 ± 30

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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℃~30℃).
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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DYMIND DH20 DH22 (Technical File Version B1.0 or higher)	WBC	$\times 10^9/L$	2.00 ± 0.60	8.30 ± 1.00	22.10 ± 2.50
	Lym%	%	60.7 ± 9.0	29.5 ± 8.0	11.0 ± 8.0
	Gran%	%	28.0 ± 9.0	62.1 ± 8.0	85.1 ± 8.0
	Mid%	%	11.3 ± 10.0	8.4 ± 6.0	3.9 ± 3.9
	Lym#	$\times 10^9/L$	1.21 ± 0.30	2.45 ± 0.70	2.43 ± 2.00
	Gran#	$\times 10^9/L$	0.56 ± 0.30	5.15 ± 0.70	18.81 ± 2.00
	Mid#	$\times 10^9/L$	0.23 ± 0.20	0.70 ± 0.50	0.86 ± 0.86
	RBC	$\times 10^{12}/L$	2.39 ± 0.24	4.85 ± 0.24	5.80 ± 0.30
	HGB	g/L	60 ± 6	142 ± 6	189 ± 8
	HCT	%	19.3 ± 2.0	42.5 ± 3.0	54.7 ± 4.0
	MCV	fL	80.7 ± 6.0	89.7 ± 6.0	96.1 ± 7.0
	MCH	pg	25.7 ± 2.5	30.0 ± 2.5	33.5 ± 2.5
	MCHC	g/L	324 ± 30	337 ± 30	353 ± 30
	RDW-CV	%	15.6 ± 3.0	13.8 ± 3.0	13.1 ± 3.0
	RDW-SD	fL	51.7 ± 8.0	52.5 ± 8.0	53.5 ± 8.0
	PLT	$\times 10^9/L$	71 ± 20	266 ± 40	550 ± 60
	MPV	fL	8.1 ± 3.0	8.5 ± 3.0	8.3 ± 3.0
	PDW	fL	12.1 ± 3.0	13.4 ± 3.0	12.5 ± 3.0
	PCT	%	0.057 ± 0.057	0.221 ± 0.200	0.448 ± 0.200
	P-LCR	%	27.5 ± 10.0	30.7 ± 10.0	29.2 ± 10.0
	P-LCC	$\times 10^9/L$	19 ± 15	80 ± 25	157 ± 30

【NOTE】

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3. Controls must be well mixed before using. Please mix gently, to avoid cells rupture and/or generating bubbles.
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DYMIND DH31 Vet DH36 Vet (Technical File Version A5.0 or higher)	WBC	$\times 10^9/L$	1.90 ± 0.60	7.70 ± 1.00	20.90 ± 2.50
	Lym%	%	57.5 ± 9.0	30.7 ± 8.0	10.1 ± 8.0
	Gran%	%	28.7 ± 9.0	62.2 ± 8.0	86.1 ± 8.0
	Mid%	%	13.8 ± 10.0	7.1 ± 6.0	3.8 ± 3.8
	Lym#	$\times 10^9/L$	1.09 ± 0.30	2.36 ± 0.70	2.12 ± 2.00
	Gran#	$\times 10^9/L$	0.55 ± 0.30	4.79 ± 0.70	17.99 ± 2.00
	Mid#	$\times 10^9/L$	0.26 ± 0.20	0.55 ± 0.50	0.79 ± 0.79
	RBC	$\times 10^{12}/L$	2.38 ± 0.30	4.67 ± 0.40	5.62 ± 0.50
	HGB	g/L	56 ± 6	131 ± 6	175 ± 8
	HCT	%	19.6 ± 2.0	43.7 ± 3.0	57.2 ± 4.0
	MCV	fL	82.2 ± 6.0	93.5 ± 6.0	101.7 ± 7.0
	MCH	pg	23.6 ± 2.5	28.2 ± 2.5	31.4 ± 2.5
	MCHC	g/L	293 ± 30	306 ± 30	316 ± 30
	RDW-CV	%	16.1 ± 3.0	14.2 ± 3.0	13.5 ± 3.0
	RDW-SD	fL	51.9 ± 8.0	52.1 ± 8.0	53.2 ± 8.0
	PLT	$\times 10^9/L$	72 ± 20	254 ± 40	541 ± 60
	MPV	fL	9.4 ± 3.0	9.1 ± 3.0	8.9 ± 3.0
	PDW	fL	9.8 ± 3.0	9.9 ± 3.0	9.6 ± 3.0
	PCT	%	0.070 ± 0.070	0.252 ± 0.200	0.504 ± 0.200

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DYMIND DH36X (Technical File Version A1.0 or higher)	WBC	$\times 10^9/L$	2.00 ± 0.60	7.90 ± 1.00	21.30 ± 2.50
	Lym%	%	67.6 ± 9.0	35.3 ± 8.0	12.9 ± 8.0
	Gran%	%	29.6 ± 9.0	62.0 ± 8.0	84.1 ± 8.0
	Mid%	%	2.8 ± 2.8	2.7 ± 2.7	3.0 ± 3.0
	Lym#	$\times 10^9/L$	1.35 ± 0.30	2.79 ± 0.70	2.75 ± 2.00
	Gran#	$\times 10^9/L$	0.59 ± 0.30	4.90 ± 0.70	17.91 ± 2.00
	Mid#	$\times 10^9/L$	0.06 ± 0.06	0.21 ± 0.21	0.64 ± 0.64
	RBC	$\times 10^{12}/L$	2.43 ± 0.24	4.71 ± 0.24	5.56 ± 0.30
	HGB	g/L	58 ± 6	137 ± 6	182 ± 8
	HCT	%	19.2 ± 2.0	42.1 ± 3.0	54.0 ± 4.0
	MCV	fL	79.1 ± 6.0	89.4 ± 6.0	97.2 ± 7.0
	MCH	pg	24.1 ± 2.5	29.4 ± 2.5	33.0 ± 2.5
	MCHC	g/L	311 ± 30	333 ± 30	346 ± 30
	RDW-CV	%	17.2 ± 3.0	15.1 ± 3.0	14.4 ± 3.0
	RDW-SD	fL	50.2 ± 8.0	50.1 ± 8.0	51.3 ± 8.0
	PLT	$\times 10^9/L$	75 ± 20	260 ± 40	537 ± 60
	MPV	fL	9.0 ± 3.0	9.2 ± 3.0	8.9 ± 3.0
	PDW	fL	11.7 ± 3.0	11.8 ± 3.0	11.3 ± 3.0
	PCT	%	0.066 ± 0.066	0.231 ± 0.200	0.461 ± 0.200
	P-LCR	%	25.1 ± 10.0	25.8 ± 10.0	23.7 ± 10.0
	P-LCC	$\times 10^9/L$	18 ± 15	65 ± 25	124 ± 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	7.70 ± 2.00	20.90 ± 4.50
	Lym%	%	57.5 ± 10.0	30.7 ± 8.0	10.1 ± 8.0
	Gran%	%	28.7 ± 12.0	62.2 ± 8.0	86.1 ± 8.0
	Mid%	%	13.8 ± 10.0	7.1 ± 5.0	3.8 ± 3.8
	Lym#	$\times 10^9/L$	1.09 ± 0.60	2.36 ± 1.00	2.12 ± 2.00
	Gran#	$\times 10^9/L$	0.55 ± 0.50	4.79 ± 1.80	17.99 ± 5.00
	Mid#	$\times 10^9/L$	0.26 ± 0.26	0.55 ± 0.50	0.79 ± 0.79
	RBC	$\times 10^{12}/L$	2.38 ± 0.50	4.67 ± 1.20	5.62 ± 1.20
	HGB	g/L	66 ± 15	141 ± 30	185 ± 40
	HCT	%	19.6 ± 5.0	43.7 ± 10.0	57.2 ± 15.0
	MCV	fL	82.2 ± 12.0	93.5 ± 8.0	101.7 ± 8.0
	MCH	pg	26.3 ± 3.0	31.2 ± 3.0	34.3 ± 3.0
	MCHC	g/L	335 ± 45	346 ± 45	352 ± 45
	RDW-CV	%	16.1 ± 3.0	14.2 ± 3.0	13.5 ± 3.0
	RDW-SD	fL	35.0 ± 8.0	36.9 ± 8.0	38.5 ± 8.0
	PLT	$\times 10^9/L$	84 ± 40	239 ± 80	469 ± 120
	MPV	fL	8.8 ± 4.0	9.0 ± 3.0	8.7 ± 3.0
	PDW	fL	8.8 ± 8.8	8.1 ± 3.0	7.3 ± 3.0
	PCT	%	0.074 ± 0.074	0.216 ± 0.216	0.408 ± 0.400

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