

CBC-3D

HEMATOLOGY CONTROL

Reference Values provided by DYMIND

CONTROL

LOT B0223

2023-01-06

2023-05-05

Applicable Instrument	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	×10 ⁹ /L	1.99	±0.60	8.16	±1.00	21.66	±2.50
	Lym%	%	57.9	±9.0	32.7	±8.0	13.6	±8.0
	Gran%	%	30.1	±9.0	59.6	±8.0	81.9	±8.0
	Mid%	%	12.0	±10.0	7.7	±6.0	4.5	±4.0
	Lym#	×10 ⁹ /L	1.15	±0.30	2.67	±0.70	2.95	±2.00
	Gran#	×10 ⁹ /L	0.60	±0.30	4.86	±0.70	17.74	±2.00
	Mid#	×10 ⁹ /L	0.24	±0.20	0.63	±0.50	0.97	±0.50
	RBC	×10 ¹² /L	2.34	±0.24	4.67	±0.24	5.94	±0.30
	HGB	g/L	54	±6	130	±6	182	±8
	HCT	%	18.2	±2.0	42.6	±3.0	58.2	±4.0
	MCV	fL	77.7	±5.0	91.1	±5.0	98.0	±5.0
	MCH	pg	23.0	±2.5	27.8	±2.5	30.7	±2.5
	MCHC	g/L	296	±30	305	±30	314	±30
	RDW-CV	%	16.8	±3.0	16.2	±3.0	16.0	±3.0
	RDW-SD	fL	43.7	±8.0	49.9	±8.0	52.6	±8.0
	PLT	×10 ⁹ /L	72	±20	273	±40	537	±60
	MPV	fL	9.8	±3.0	9.4	±3.0	9.9	±3.0
	PDW	fL	11.4	±3.0	12.0	±3.0	13.4	±3.0
	PCT	%	0.071	±0.071	0.256	±0.200	0.532	±0.200
	P-LCR	%	26.2	±10.0	23.5	±10.0	28.3	±10.0
P-LCC	×10 ⁹ /L	19	±15	64	±25	152	±30	
PDW	/	16.0	±3.0	16.3	±3.0	16.4	±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 DH20 DH21 DH22 DH23 DH25 DH26 (Technical File Version A1.0 or higher)	WBC	×10 ⁹ /L	2.03	±0.60	7.98	±1.00	21.16	±2.50
	Lym%	%	62.8	±9.0	32.9	±8.0	13.2	±8.0
	Gran%	%	29.3	±9.0	61.4	±8.0	84.0	±8.0
	Mid%	%	7.9	±7.9	5.7	±5.7	2.8	±2.8
	Lym#	×10 ⁹ /L	1.28	±0.30	2.63	±0.70	2.79	±2.00
	Gran#	×10 ⁹ /L	0.59	±0.30	4.90	±0.70	17.78	±2.00
	Mid#	×10 ⁹ /L	0.16	±0.16	0.45	±0.45	0.59	±0.50
	RBC	×10 ¹² /L	2.35	±0.24	4.56	±0.24	5.72	±0.30
	HGB	g/L	56	±6	134	±6	186	±8
	HCT	%	17.6	±2.0	39.1	±3.0	52.5	±4.0
	MCV	fL	75.2	±5.0	85.7	±5.0	91.8	±5.0
	MCH	pg	24.1	±2.5	29.5	±2.5	32.5	±2.5
	MCHC	g/L	321	±30	344	±30	354	±30
	RDW-CV	%	16.4	±3.0	15.0	±3.0	14.6	±3.0
	RDW-SD	fL	45.3	±8.0	47.3	±8.0	48.9	±8.0
	PLT	×10 ⁹ /L	66	±20	273	±40	547	±60
	MPV	fL	10.9	±3.0	10.1	±3.0	10.6	±3.0
	PDW	fL	11.6	±3.0	11.3	±3.0	12.6	±3.0
	PCT	%	0.072	±0.072	0.276	±0.200	0.580	±0.200
	P-LCR	%	33.1	±10.0	28.2	±10.0	32.1	±10.0
P-LCC	×10 ⁹ /L	22	±15	77	±25	176	±30	

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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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DYMIND DH31 Vet DH36 Vet (Technical File Version A5.0 or higher)	WBC	×10 ⁹ /L	1.99	±0.60	8.02	±1.00	21.12	±2.50
	Lym%	%	59.5	±9.0	30.6	±8.0	12.9	±8.0
	Gran%	%	31.0	±9.0	62.4	±8.0	83.9	±8.0
	Mid%	%	9.5	±9.5	7.0	±6.0	3.2	±3.2
	Lym#	×10 ⁹ /L	1.18	±0.30	2.45	±0.70	2.72	±2.00
	Gran#	×10 ⁹ /L	0.62	±0.30	5.01	±0.70	17.72	±2.00
	Mid#	×10 ⁹ /L	0.19	±0.19	0.56	±0.50	0.68	±0.50
	RBC	×10 ¹² /L	2.32	±0.24	4.52	±0.24	5.71	±0.30
	HGB	g/L	54	±6	127	±6	176	±8
	HCT	%	18.8	±2.0	41.9	±3.0	56.8	±4.0
	MCV	fL	81.1	±5.0	92.8	±5.0	99.6	±5.0
	MCH	pg	23.4	±2.5	28.2	±2.5	30.8	±2.5
	MCHC	g/L	288	±30	303	±30	310	±30
	RDW-CV	%	15.8	±3.0	14.0	±3.0	13.5	±3.0
	RDW-SD	fL	49.8	±8.0	50.7	±8.0	52.2	±8.0
	PLT	×10 ⁹ /L	66	±20	267	±40	547	±60
	MPV	fL	10.4	±3.0	10.1	±3.0	10.7	±3.0
	PDW	fL	11.5	±3.0	11.3	±3.0	12.6	±3.0
PCT	%	0.069	±0.069	0.270	±0.200	0.585	±0.200	

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- 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).
- Controls must be well mixed before using. Please mix gently, to avoid cells rupture and/or generating bubbles.
- After using, put the controls back into the refrigerator to prevent contamination and evaporation.



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Applicable Instrument	Parameter	Unit	Low		Normal		High	
DYMIND DH36X (Technical File Version A1.0 or higher)	WBC	×10 ⁹ /L	2.05	±0.60	8.08	±1.00	21.17	±2.50
	Lym%	%	67.9	±9.0	36.7	±8.0	15.9	±8.0
	Gran%	%	29.5	±9.0	59.6	±8.0	80.1	±8.0
	Mid%	%	2.6	±2.6	3.7	±3.7	4.0	±4.0
	Lym#	×10 ⁹ /L	1.40	±0.30	2.96	±0.70	3.37	±2.00
	Gran#	×10 ⁹ /L	0.60	±0.30	4.82	±0.70	16.95	±2.00
	Mid#	×10 ⁹ /L	0.05	±0.05	0.30	±0.30	0.85	±0.50
	RBC	×10 ¹² /L	2.35	±0.24	4.57	±0.24	5.68	±0.30
	HGB	g/L	56	±6	133	±6	183	±8
	HCT	%	18.1	±2.0	40.2	±3.0	53.5	±4.0
	MCV	fL	77.0	±5.0	88.1	±5.0	94.3	±5.0
	MCH	pg	23.9	±2.5	29.2	±2.5	32.3	±2.5
	MCHC	g/L	310	±30	331	±30	343	±30
	RDW-CV	%	16.9	±3.0	15.1	±3.0	14.5	±3.0
	RDW-SD	fL	48.0	±8.0	49.3	±8.0	50.6	±8.0
	PLT	×10 ⁹ /L	69	±20	268	±40	539	±60
	MPV	fL	10.2	±3.0	10.0	±3.0	10.4	±3.0
	PDW	fL	14.4	±3.0	13.5	±3.0	14.8	±3.0
	PCT	%	0.071	±0.071	0.268	±0.200	0.561	±0.200
	P-LCR	%	34.6	±10.0	32.1	±10.0	35.8	±10.0
P-LCC	×10 ⁹ /L	24	±15	86	±25	193	±30	

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