



DM-3D

HEMATOLOGY CONTROL

Reference Values provided by DYMIND

CONTROL

 2023-01-11

 2023-05-10

Applicable Instrument	Parameter	Unit	LOT B0223L	LOT B0223N	LOT B0223H
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.



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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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Applicable Instrument	Parameter	Unit	LOT B0223L	LOT B0223N	LOT B0223H
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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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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