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文件名称： <p style="text-align: center;">CONTROL DM-3D B0524 2024-08-10</p> 适用范围： 公司所有三分类仪器						
编制：刘嘉 日期：2024.04.25		审核：刘金盈 日期：2024.04.25		批准：郑剑通 日期：2024.04.25		
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由试剂研发						

DM-3D

HEMATOLOGY CONTROL

Reference Values provided by DYMIND

CONTROL
 2024-04-13

 2024-08-10

Applicable Instruments	Parameter	Unit	LOT B0524L	LOT B0524N	LOT B0524H
DYMIND DH31 DH33 DH36 (Technical File Version A5.0 or higher) DH31 Vet DH36 Vet (Technical File Version A1.0 to A4.0)	WBC	$\times 10^9/L$	2.08 ± 0.60	7.84 ± 1.00	21.68 ± 2.50
	Lym%	%	60.0 ± 9.0	32.9 ± 8.0	13.9 ± 8.0
	Gran%	%	31.5 ± 9.0	61.0 ± 8.0	81.6 ± 8.0
	Mid%	%	8.5 ± 8.5	6.1 ± 6.0	4.5 ± 4.0
	Lym#	$\times 10^9/L$	1.24 ± 0.30	2.58 ± 0.70	3.01 ± 2.00
	Gran#	$\times 10^9/L$	0.66 ± 0.30	4.78 ± 0.70	17.69 ± 2.00
	Mid#	$\times 10^9/L$	0.18 ± 0.18	0.48 ± 0.48	0.98 ± 0.50
	RBC	$\times 10^{12}/L$	2.32 ± 0.24	4.61 ± 0.24	5.85 ± 0.30
	HGB	g/L	56 ± 6	136 ± 6	191 ± 8
	HCT	%	18.6 ± 2.0	42.5 ± 3.0	58.7 ± 4.0
	MCV	fL	80.3 ± 5.0	92.1 ± 5.0	100.3 ± 5.0
	MCH	pg	24.3 ± 2.5	29.1 ± 2.5	31.5 ± 2.5
	MCHC	g/L	309 ± 30	321 ± 30	327 ± 30
	RDW-CV	%	17.5 ± 3.0	16.6 ± 3.0	16.2 ± 3.0
	RDW-SD	fL	47.0 ± 8.0	51.6 ± 8.0	54.7 ± 8.0
	PLT	$\times 10^9/L$	74 ± 20	266 ± 40	512 ± 60
	MPV	fL	8.6 ± 3.0	8.9 ± 3.0	8.9 ± 3.0
	PDW	fL	10.4 ± 3.0	11.1 ± 3.0	11.1 ± 3.0
	PCT	%	0.064 ± 0.064	0.241 ± 0.200	0.462 ± 0.200
	P-LCR	%	18.0 ± 10.0	20.2 ± 10.0	20.3 ± 10.0
P-LCC	$\times 10^9/L$	13 ± 13	54 ± 25	106 ± 30	
PDW	/	16.0 ± 3.0	16.2 ± 3.0	16.5 ± 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.



B0524L




B0524N




B0524H

DM-3D

HEMATOLOGY CONTROL

Reference Values provided by DYMIND
CONTROL
 2024-04-13

 2024-08-10

Applicable Instruments	Parameter	Unit	LOT B0524L	LOT B0524N	LOT B0524H
DYMIND DH21 DH23 DH25 DH26 (Technical File Version A1.0 or higher)	WBC	$\times 10^9/L$	2.09 ± 0.60	7.77 ± 1.00	21.40 ± 2.50
	Lym%	%	61.6 ± 9.0	33.7 ± 8.0	13.1 ± 8.0
	Gran%	%	29.6 ± 9.0	60.3 ± 8.0	78.4 ± 8.0
	Mid%	%	8.8 ± 8.8	6.0 ± 6.0	8.5 ± 6.0
	Lym#	$\times 10^9/L$	1.29 ± 0.30	2.62 ± 0.70	2.80 ± 2.00
	Gran#	$\times 10^9/L$	0.62 ± 0.30	4.68 ± 0.70	16.78 ± 2.00
	Mid#	$\times 10^9/L$	0.18 ± 0.18	0.47 ± 0.47	1.82 ± 1.20
	RBC	$\times 10^{12}/L$	2.38 ± 0.24	4.62 ± 0.24	5.77 ± 0.30
	HGB	g/L	58 ± 6	135 ± 6	190 ± 8
	HCT	%	18.0 ± 2.0	39.3 ± 3.0	52.7 ± 4.0
	MCV	fL	76.5 ± 5.0	85.1 ± 5.0	92.3 ± 5.0
	MCH	pg	24.0 ± 2.5	29.0 ± 2.5	32.6 ± 2.5
	MCHC	g/L	325 ± 30	349 ± 30	364 ± 30
	RDW-CV	%	16.6 ± 3.0	15.0 ± 3.0	14.3 ± 3.0
	RDW-SD	fL	46.5 ± 8.0	46.9 ± 8.0	47.8 ± 8.0
	PLT	$\times 10^9/L$	73 ± 20	268 ± 40	521 ± 60
	MPV	fL	9.8 ± 3.0	9.5 ± 3.0	9.4 ± 3.0
	PDW	fL	9.9 ± 3.0	10.0 ± 3.0	10.6 ± 3.0
	PCT	%	0.074 ± 0.074	0.260 ± 0.200	0.501 ± 0.200
P-LCR	%	24.3 ± 10.0	23.6 ± 10.0	23.6 ± 10.0	
P-LCC	$\times 10^9/L$	19 ± 15	65 ± 25	126 ± 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.



B0524L




B0524N




B0524H

DM-3D

HEMATOLOGY CONTROL

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CONTROL
 2024-04-13

 2024-08-10

Applicable Instruments	Parameter	Unit	LOT B0524L	LOT B0524N	LOT B0524H
DYMIND DH20 DH22 (Technical File Version B1.0 or higher)	WBC	$\times 10^9/L$	2.13 ± 0.60	7.84 ± 1.00	21.56 ± 2.50
	Lym%	%	59.8 ± 9.0	33.1 ± 8.0	14.0 ± 8.0
	Gran%	%	31.4 ± 9.0	60.9 ± 8.0	78.6 ± 8.0
	Mid%	%	8.8 ± 8.8	6.0 ± 6.0	7.4 ± 4.0
	Lym#	$\times 10^9/L$	1.27 ± 0.30	2.60 ± 0.70	3.02 ± 2.00
	Gran#	$\times 10^9/L$	0.67 ± 0.30	4.77 ± 0.70	16.94 ± 2.00
	Mid#	$\times 10^9/L$	0.19 ± 0.19	0.47 ± 0.47	1.60 ± 0.50
	RBC	$\times 10^{12}/L$	2.33 ± 0.24	4.63 ± 0.24	5.89 ± 0.30
	HGB	g/L	60 ± 6	138 ± 6	195 ± 8
	HCT	%	18.8 ± 2.0	41.1 ± 3.0	55.8 ± 4.0
	MCV	fL	80.8 ± 5.0	88.7 ± 5.0	94.8 ± 5.0
	MCH	pg	25.6 ± 2.5	29.8 ± 2.5	33.1 ± 2.5
	MCHC	g/L	323 ± 30	344 ± 30	359 ± 30
	RDW-CV	%	15.3 ± 3.0	13.9 ± 3.0	13.3 ± 3.0
	RDW-SD	fL	49.5 ± 8.0	50.6 ± 8.0	52.0 ± 8.0
	PLT	$\times 10^9/L$	69 ± 20	269 ± 40	530 ± 60
	MPV	fL	8.3 ± 3.0	8.8 ± 3.0	8.9 ± 3.0
	PDW	fL	12.6 ± 3.0	13.5 ± 3.0	13.9 ± 3.0
	PCT	%	0.059 ± 0.059	0.245 ± 0.200	0.489 ± 0.200
P-LCR	%	28.8 ± 10.0	33.4 ± 10.0	34.3 ± 10.0	
P-LCC	$\times 10^9/L$	21 ± 15	93 ± 25	188 ± 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.



B0524L



B0524N





B0524H

DM-3D

HEMATOLOGY CONTROL

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CONTROL
 2024-04-13

 2024-08-10

Applicable Instruments	Parameter	Unit	LOT B0524L	LOT B0524N	LOT B0524H
DYMIND DH31 Vet DH36 Vet (Technical File Version A5.0 or higher)	WBC	$\times 10^9/L$	2.03 ± 0.60	7.60 ± 1.00	20.86 ± 2.50
	Lym%	%	57.0 ± 9.0	31.6 ± 8.0	13.8 ± 8.0
	Gran%	%	33.1 ± 9.0	61.7 ± 8.0	82.0 ± 8.0
	Mid%	%	9.9 ± 9.9	6.7 ± 6.0	4.2 ± 4.0
	Lym#	$\times 10^9/L$	1.16 ± 0.30	2.40 ± 0.70	2.88 ± 2.00
	Gran#	$\times 10^9/L$	0.67 ± 0.30	4.69 ± 0.70	17.10 ± 2.00
	Mid#	$\times 10^9/L$	0.20 ± 0.20	0.51 ± 0.50	0.88 ± 0.50
	RBC	$\times 10^{12}/L$	2.32 ± 0.30	4.59 ± 0.40	5.78 ± 0.50
	HGB	g/L	55 ± 6	129 ± 6	180 ± 8
	HCT	%	19.2 ± 2.0	42.7 ± 3.0	58.3 ± 4.0
	MCV	fL	82.6 ± 5.0	93.2 ± 5.0	100.8 ± 5.0
	MCH	pg	23.3 ± 2.5	27.5 ± 2.5	30.4 ± 2.5
	MCHC	g/L	291 ± 30	302 ± 30	311 ± 30
	RDW-CV	%	15.9 ± 3.0	14.2 ± 3.0	13.5 ± 3.0
	RDW-SD	fL	51.0 ± 8.0	51.1 ± 8.0	52.3 ± 8.0
	PLT	$\times 10^9/L$	72 ± 20	269 ± 40	534 ± 60
	MPV	fL	10.0 ± 3.0	10.1 ± 3.0	10.1 ± 3.0
	PDW	fL	10.1 ± 3.0	10.4 ± 3.0	10.7 ± 3.0
PCT	%	0.076 ± 0.076	0.286 ± 0.200	0.566 ± 0.200	

【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.



B0524L



B0524N





B0524H

DM-3D

HEMATOLOGY CONTROL

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CONTROL
 2024-04-13

 2024-08-10

Applicable Instruments	Parameter	Unit	LOT B0524L	LOT B0524N	LOT B0524H
DYMIND DH36X (Technical File Version A1.0 or higher)	WBC	$\times 10^9/L$	2.14 ± 0.60	8.01 ± 1.00	21.84 ± 2.50
	Lym%	%	64.3 ± 9.0	36.0 ± 8.0	16.4 ± 8.0
	Gran%	%	32.1 ± 9.0	60.4 ± 8.0	75.6 ± 8.0
	Mid%	%	3.6 ± 3.6	3.6 ± 3.6	8.0 ± 4.0
	Lym#	$\times 10^9/L$	1.37 ± 0.30	2.88 ± 0.70	3.58 ± 2.00
	Gran#	$\times 10^9/L$	0.69 ± 0.30	4.84 ± 0.70	16.51 ± 2.00
	Mid#	$\times 10^9/L$	0.08 ± 0.08	0.29 ± 0.29	1.75 ± 0.50
	RBC	$\times 10^{12}/L$	2.39 ± 0.24	4.65 ± 0.24	5.79 ± 0.30
	HGB	g/L	59 ± 6	135 ± 6	189 ± 8
	HCT	%	19.0 ± 2.0	41.4 ± 3.0	55.9 ± 4.0
	MCV	fL	79.6 ± 5.0	89.1 ± 5.0	96.5 ± 5.0
	MCH	pg	24.1 ± 2.5	28.9 ± 2.5	32.4 ± 2.5
	MCHC	g/L	313 ± 30	332 ± 30	346 ± 30
	RDW-CV	%	17.0 ± 3.0	15.1 ± 3.0	14.3 ± 3.0
	RDW-SD	fL	49.6 ± 8.0	49.4 ± 8.0	50.4 ± 8.0
	PLT	$\times 10^9/L$	74 ± 20	268 ± 40	516 ± 60
	MPV	fL	9.3 ± 3.0	9.5 ± 3.0	9.4 ± 3.0
	PDW	fL	12.0 ± 3.0	12.6 ± 3.0	12.6 ± 3.0
	PCT	%	0.069 ± 0.069	0.256 ± 0.200	0.491 ± 0.200
	P-LCR	%	26.5 ± 10.0	28.3 ± 10.0	28.1 ± 10.0
P-LCC	$\times 10^9/L$	20 ± 15	77 ± 25	146 ± 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.



B0524L




B0524N




B0524H

DM-3D

HEMATOLOGY CONTROL

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CONTROL
 2024-04-13

 2024-08-10

Applicable Instruments	Parameter	Unit	LOT B0524L	LOT B0524N	LOT B0524H
DYMIND DP-H10 Vet (Technical File Version A1.0 or higher)	WBC	$\times 10^9/L$	2.03 ± 0.80	7.60 ± 2.00	20.86 ± 4.50
	Lym%	%	57.0 ± 10.0	31.6 ± 8.0	13.8 ± 8.0
	Gran%	%	33.1 ± 12.0	61.7 ± 8.0	82.0 ± 8.0
	Mid%	%	9.9 ± 9.9	6.7 ± 5.0	4.2 ± 4.0
	Lym#	$\times 10^9/L$	1.16 ± 0.60	2.40 ± 1.00	2.88 ± 2.00
	Gran#	$\times 10^9/L$	0.67 ± 0.50	4.69 ± 1.80	17.10 ± 5.00
	Mid#	$\times 10^9/L$	0.20 ± 0.20	0.51 ± 0.50	0.88 ± 0.50
	RBC	$\times 10^{12}/L$	2.32 ± 0.50	4.59 ± 1.20	5.78 ± 1.20
	HGB	g/L	65 ± 15	139 ± 30	190 ± 40
	HCT	%	19.2 ± 5.0	42.7 ± 10.0	58.3 ± 15.0
	MCV	fL	83.9 ± 12.0	94.6 ± 8.0	102.3 ± 8.0
	MCH	pg	23.3 ± 3.0	27.5 ± 3.0	30.4 ± 3.0
	MCHC	g/L	291 ± 45	302 ± 45	311 ± 45
	RDW-CV	%	15.9 ± 3.0	14.2 ± 3.0	13.5 ± 3.0
	RDW-SD	fL	51.0 ± 8.0	51.1 ± 8.0	52.3 ± 8.0
	PLT	$\times 10^9/L$	72 ± 40	269 ± 80	534 ± 120
	MPV	fL	10.0 ± 4.0	10.1 ± 3.0	10.1 ± 3.0
	PDW	fL	10.1 ± 9.0	10.4 ± 3.0	10.7 ± 3.0
PCT	%	0.076 ± 0.076	0.286 ± 0.286	0.566 ± 0.400	

【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).
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B0524L



B0524N



B0524H