



# DM-CAL PLUS

## HEMATOLOGY CALIBRATOR

**Reference Values provided by DYMIND**
**CALIBRATOR**

LOT NK1122

 2022-10-12

 2022-12-10

Applicable Instruments	Parameter	Unit	Reference Value
D1-CRP, D3-CRP, D5-CRP DH51CRP, DH53CRP, DH56CRP (Technical File Version A9.0 to A11.9)	WBC	$\times 10^9/L$	9.39
	RBC	$\times 10^{12}/L$	4.45
	HGB	g/L	131
	MCV	fL	87.8
	PLT	$\times 10^9/L$	252
D1-CRP, D3-CRP, D5-CRP DH51CRP, DH53CRP, DH56CRP (Technical File Version A11.11)	WBC	$\times 10^9/L$	9.95
	RBC	$\times 10^{12}/L$	4.47
	HGB	g/L	130
	MCV	fL	84.0
	PLT	$\times 10^9/L$	245
D1-CRP, D3-CRP, D5-CRP DH51CRP, DH53CRP, DH56CRP (Technical File Version A11.12 or higher)	WBC	$\times 10^9/L$	10.34
	RBC	$\times 10^{12}/L$	4.50
	HGB	g/L	132
	MCV	fL	84.0
	PLT	$\times 10^9/L$	252
UN71, UN73, UN76, DH73 (Technical File Version A2.0 to A5.3)	WBC	$\times 10^9/L$	9.67
	RBC	$\times 10^{12}/L$	4.59
	HGB	g/L	135
	MCV	fL	87.0
	PLT	$\times 10^9/L$	251

**【NOTE】**

1. The calibrator should be stored in refrigerator (2°C~8°C). After opening, it will keep stable for 7 days when it is stored airtight at 2°C~8°C.
2. Before mixing and running the calibrator after take it out from the refrigerator, please keep it at least 15 minutes until reaching room temperature(15°C~30°C).
3. Calibrator must be well mixed before using. Please mix gently, to avoid cells rupture and/or generating bubbles.
4. After using, put the calibrator back into the refrigerator to prevent contamination and evaporation.


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Applicable Instruments	Parameter	Unit	Reference Value
UN71, UN73, UN76, DH73 (Technical File Version A5.5 to A6.2)	WBC	$\times 10^9/L$	9.52
	RBC	$\times 10^{12}/L$	4.43
	HGB	g/L	133
	MCV	fL	84.6
	PLT	$\times 10^9/L$	247
UN71, UN73, UN76, DH73 (Technical File Version A6.3 or higher)	WBC	$\times 10^9/L$	9.74
	RBC	$\times 10^{12}/L$	4.57
	HGB	g/L	133
	MCV	fL	84.3
	PLT	$\times 10^9/L$	251
DH73 Vet (Technical File Version B5.5 or higher)	RBC	$\times 10^{12}/L$	4.59
	HGB	g/L	134
	MCV	fL	88.1
	PLT	$\times 10^9/L$	246
DF50, DF51, DF52 DF53, DF55, DF56 (Technical File Version A10.0 to A11.1) DF50 Vet, DF52 Vet (Technical File Version A2.0 to A7.0)	WBC	$\times 10^9/L$	8.90
	RBC	$\times 10^{12}/L$	4.51
	HGB	g/L	130
	MCV	fL	84.8
	PLT	$\times 10^9/L$	260

**【NOTE】**


1. The calibrator should be stored in refrigerator (2℃~8℃). After opening, it will keep stable for 7 days when it is stored airtight at 2℃~8℃.
2. Before mixing and running the calibrator after take it out from the refrigerator, please keep it at least 15 minutes until reaching room temperature(15℃~30℃).
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Applicable Instruments	Parameter	Unit	Reference Value
DF50, DF51, DF52 DF53, DF55, DF56 (Technical File Version A11.2 to A11.6)	WBC	$\times 10^9/L$	9.11
	RBC	$\times 10^{12}/L$	4.59
	HGB	g/L	132
	MCV	fL	86.3
	PLT	$\times 10^9/L$	256
DF50, DF51, DF52 DF53, DF55, DF56 (Technical File Version A12.0 or higher)	WBC	$\times 10^9/L$	9.15
	RBC	$\times 10^{12}/L$	4.57
	HGB	g/L	130
	MCV	fL	83.2
	PLT	$\times 10^9/L$	245
DF50, DF51, DF52 DF53, DF55, DF56 (Technical File Version B1.0 or higher)	WBC	$\times 10^9/L$	9.49
	RBC	$\times 10^{12}/L$	4.63
	HGB	g/L	133
	MCV	fL	83.2
	PLT	$\times 10^9/L$	250
DH71, DH76 (Technical File Version A4.1 to A10.3) DH51, DH53, DH56 (Technical File Version A8.1 or higher)	WBC	$\times 10^9/L$	9.29
	RBC	$\times 10^{12}/L$	4.65
	HGB	g/L	134
	MCV	fL	88.0
	PLT	$\times 10^9/L$	250

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2. Before mixing and running the calibrator after take it out from the refrigerator, please keep it at least 15 minutes until reaching room temperature(15°C~30°C).
3. Calibrator must be well mixed before using. Please mix gently, to avoid cells rupture and/or generating bubbles.
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Applicable Instruments	Parameter	Unit	Reference Value
DH71, DH76 (Technical File Version A10.4)	WBC	$\times 10^9/L$	8.45
	RBC	$\times 10^{12}/L$	4.64
	HGB	g/L	132
	MCV	fL	85.3
	PLT	$\times 10^9/L$	251
DH71, DH76 (Technical File Version A10.5 or higher)	WBC	$\times 10^9/L$	9.40
	RBC	$\times 10^{12}/L$	4.47
	HGB	g/L	132
	MCV	fL	83.4
	PLT	$\times 10^9/L$	246
D2-CRP, D7-CRP DH71CRP, DH73CRP (Technical File Version A3.0 to A5.11)	WBC	$\times 10^9/L$	9.35
	RBC	$\times 10^{12}/L$	4.55
	HGB	g/L	132
	MCV	fL	87.0
	PLT	$\times 10^9/L$	254
D2-CRP, D7-CRP DH71CRP, DH73CRP (Technical File Version A6.0 to A6.5)	WBC	$\times 10^9/L$	9.36
	RBC	$\times 10^{12}/L$	4.51
	HGB	g/L	132
	MCV	fL	85.1
	PLT	$\times 10^9/L$	263



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2. Before mixing and running the calibrator after take it out from the refrigerator, please keep it at least 15 minutes until reaching room temperature(15°C~30°C).
3. Calibrator must be well mixed before using. Please mix gently, to avoid cells rupture and/or generating bubbles.
4. After using, put the calibrator back into the refrigerator to prevent contamination and evaporation.

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**CALIBRATOR**
 **LOT** NK1122

 **2022-10-12**
 **2022-12-10**

Applicable Instruments	Parameter	Unit	Reference Value
D2-CRP, D7-CRP DH71CRP, DH73CRP (Technical File Version A6.6 or higher)	WBC	$\times 10^9/L$	9.80
	RBC	$\times 10^{12}/L$	4.52
	HGB	g/L	133
	MCV	fL	83.8
	PLT	$\times 10^9/L$	253
D6-CRP, DH76CRP (Technical File Version B1.0 to B2.0)	WBC	$\times 10^9/L$	9.25
	RBC	$\times 10^{12}/L$	4.49
	HGB	g/L	131
	MCV	fL	83.4
	PLT	$\times 10^9/L$	249
D6-CRP, DH76CRP (Technical File Version B2.2 or higher)	WBC	$\times 10^9/L$	9.21
	RBC	$\times 10^{12}/L$	4.59
	HGB	g/L	133
	MCV	fL	83.9
	PLT	$\times 10^9/L$	259
DF50 Vet, DF52 Vet DF55 Vet, DF56 Vet (Technical File Version A8.0 or higher and B1.0 or higher)	WBC	$\times 10^9/L$	9.10
	RBC	$\times 10^{12}/L$	4.61
	HGB	g/L	133
	MCV	fL	85.3
	PLT	$\times 10^9/L$	256


**【NOTE】**


1. The calibrator should be stored in refrigerator (2°C~8°C). After opening, it will keep stable for 7 days when it is stored airtight at 2°C~8°C.
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Applicable Instruments	Parameter	Unit	Reference Value
DF1-CRP, DF3-CRP, DF5-CRP DF50CRP, DF52CRP, DF53CRP (Technical File Version A4.0 to A5.7)	WBC	$\times 10^9/L$	8.97
	RBC	$\times 10^{12}/L$	4.45
	HGB	g/L	130
	MCV	fL	85.7
	PLT	$\times 10^9/L$	256
DF1-CRP, DF3-CRP, DF5-CRP DF50CRP, DF52CRP, DF53CRP (Technical File Version A6.0)	WBC	$\times 10^9/L$	9.47
	RBC	$\times 10^{12}/L$	4.45
	HGB	g/L	131
	MCV	fL	84.1
	PLT	$\times 10^9/L$	251
DF1-CRP, DF3-CRP, DF5-CRP DF50CRP, DF52CRP, DF53CRP (Technical File Version A6.1 or higher)	WBC	$\times 10^9/L$	9.61
	RBC	$\times 10^{12}/L$	4.52
	HGB	g/L	130
	MCV	fL	82.8
	PLT	$\times 10^9/L$	261
DM71X, DM72X DM78X, DM79X (Technical File Version A1.0 or higher)	WBC	$\times 10^9/L$	9.23
	RBC	$\times 10^{12}/L$	4.50
	HGB	g/L	132
	MCV	fL	83.3
	PLT	$\times 10^9/L$	255

**【NOTE】**

1. The calibrator should be stored in refrigerator (2°C~8°C). After opening, it will keep stable for 7 days when it is stored airtight at 2°C~8°C.
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Applicable Instruments	Parameter	Unit	Reference Value
UN71 Vet, UN73 Vet (Technical File Version A1.0 or higher)	WBC	$\times 10^9/L$	9.41
	RBC	$\times 10^{12}/L$	4.56
	HGB	g/L	132
	MCV	fL	84.5
	PLT	$\times 10^9/L$	242

**【NOTE】**

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