

# DM-CAL PLUS

## HEMATOLOGY CALIBRATOR

Assay values and ranges provided by DYMIND

**CALIBRATOR**

LOT NK0921

2021-08-12

2021-10-10

Instrument	Parameter	Unit	Reference Value	Deviation
D1-CRP, D3-CRP, D5-CRP DH51CRP, DH53CRP, DH56CRP (Technical File Version A9.0 to A11.9)	WBC	$\times 10^9/L$	9.31	$\pm 0.20$
	RBC	$\times 10^{12}/L$	4.50	$\pm 0.08$
	HGB	g/L	136	$\pm 2$
	MCV	fL	93.3	$\pm 2.0$
	PLT	$\times 10^9/L$	263	$\pm 12$
D1-CRP, D3-CRP, D5-CRP DH51CRP, DH53CRP, DH56CRP (Technical File Version A11.11)	WBC	$\times 10^9/L$	9.97	$\pm 0.20$
	RBC	$\times 10^{12}/L$	4.50	$\pm 0.08$
	HGB	g/L	134	$\pm 2$
	MCV	fL	89.0	$\pm 2.0$
	PLT	$\times 10^9/L$	264	$\pm 12$
D1-CRP, D3-CRP, D5-CRP DH51CRP, DH53CRP, DH56CRP (Technical File Version A11.12 or higher)	WBC	$\times 10^9/L$	10.37	$\pm 0.20$
	RBC	$\times 10^{12}/L$	4.54	$\pm 0.08$
	HGB	g/L	135	$\pm 2$
	MCV	fL	87.5	$\pm 2.0$
	PLT	$\times 10^9/L$	258	$\pm 12$
UN71, UN73, UN76, DH73 (Technical File Version A2.0 to A5.3)	WBC	$\times 10^9/L$	9.70	$\pm 0.20$
	RBC	$\times 10^{12}/L$	4.57	$\pm 0.08$
	HGB	g/L	140	$\pm 2$
	MCV	fL	94.6	$\pm 2.0$
	PLT	$\times 10^9/L$	265	$\pm 12$

**【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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UN71, UN73, UN76, DH73 (Technical File Version A5.5 to A6.2)	WBC	$\times 10^9/L$	9.50	$\pm 0.20$
	RBC	$\times 10^{12}/L$	4.49	$\pm 0.08$
	HGB	g/L	138	$\pm 2$
	MCV	fL	90.7	$\pm 2.0$
	PLT	$\times 10^9/L$	254	$\pm 12$
UN71, UN73, UN76, DH73 (Technical File Version A6.3 or higher)	WBC	$\times 10^9/L$	9.50	$\pm 0.20$
	RBC	$\times 10^{12}/L$	4.54	$\pm 0.08$
	HGB	g/L	138	$\pm 2$
	MCV	fL	89.3	$\pm 2.0$
	PLT	$\times 10^9/L$	259	$\pm 12$
DH73Vet (Technical File Version B5.5 or higher)	RBC	$\times 10^{12}/L$	4.58	$\pm 0.08$
	HGB	g/L	140	$\pm 2$
	MCV	fL	94.9	$\pm 2.0$
	PLT	$\times 10^9/L$	265	$\pm 12$
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	$\times 10^9/L$	9.05	$\pm 0.20$
	RBC	$\times 10^{12}/L$	4.64	$\pm 0.08$
	HGB	g/L	137	$\pm 2$
	MCV	fL	90.3	$\pm 2.0$
	PLT	$\times 10^9/L$	267	$\pm 12$

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DF50, DF51, DF52 DF53, DF55, DF56 (Technical File Version A11.2 to A11.6)	WBC	$\times 10^9/L$	8.97	$\pm 0.20$
	RBC	$\times 10^{12}/L$	4.67	$\pm 0.08$
	HGB	g/L	137	$\pm 2$
	MCV	fL	92.9	$\pm 2.0$
	PLT	$\times 10^9/L$	267	$\pm 12$
DF50, DF51, DF52 DF53, DF55, DF56 (Technical File Version A12.0 or higher)	WBC	$\times 10^9/L$	9.22	$\pm 0.20$
	RBC	$\times 10^{12}/L$	4.69	$\pm 0.08$
	HGB	g/L	137	$\pm 2$
	MCV	fL	89.0	$\pm 2.0$
	PLT	$\times 10^9/L$	266	$\pm 12$
DF50, DF51, DF52 DF53, DF55, DF56 (Technical File Version B1.0 or higher)	WBC	$\times 10^9/L$	8.88	$\pm 0.20$
	RBC	$\times 10^{12}/L$	4.60	$\pm 0.08$
	HGB	g/L	136	$\pm 2$
	MCV	fL	88.7	$\pm 2.0$
	PLT	$\times 10^9/L$	267	$\pm 12$
DH71, DH76 (Technical File Version A4.1 to A10.3) DH51, DH53, DH56 (Technical File Version A8.1 or higher)	WBC	$\times 10^9/L$	9.31	$\pm 0.20$
	RBC	$\times 10^{12}/L$	4.59	$\pm 0.08$
	HGB	g/L	137	$\pm 2$
	MCV	fL	96.1	$\pm 2.0$
	PLT	$\times 10^9/L$	262	$\pm 12$

**【NOTE】**

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Instrument	Parameter	Unit	Reference Value	Deviation
DH71, DH76 (Technical File Version A10.4)	WBC	$\times 10^9/L$	8.80	$\pm 0.20$
	RBC	$\times 10^{12}/L$	4.67	$\pm 0.08$
	HGB	g/L	137	$\pm 2$
	MCV	fL	90.3	$\pm 2.0$
	PLT	$\times 10^9/L$	268	$\pm 12$
DH71, DH76 (Technical File Version A10.5 or higher)	WBC	$\times 10^9/L$	9.52	$\pm 0.20$
	RBC	$\times 10^{12}/L$	4.59	$\pm 0.08$
	HGB	g/L	138	$\pm 2$
	MCV	fL	88.6	$\pm 2.0$
	PLT	$\times 10^9/L$	262	$\pm 12$
D2-CRP, D7-CRP DH71CRP, DH73CRP (Technical File Version A3.0 to A5.11)	WBC	$\times 10^9/L$	9.28	$\pm 0.20$
	RBC	$\times 10^{12}/L$	4.57	$\pm 0.08$
	HGB	g/L	136	$\pm 2$
	MCV	fL	95.0	$\pm 2.0$
	PLT	$\times 10^9/L$	265	$\pm 12$
D2-CRP, D7-CRP DH71CRP, DH73CRP (Technical File Version A6.0 to A6.5)	WBC	$\times 10^9/L$	9.41	$\pm 0.20$
	RBC	$\times 10^{12}/L$	4.53	$\pm 0.08$
	HGB	g/L	137	$\pm 2$
	MCV	fL	89.1	$\pm 2.0$
	PLT	$\times 10^9/L$	270	$\pm 12$

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Instrument	Parameter	Unit	Reference Value	Deviation
D2-CRP, D7-CRP DH71CRP, DH73CRP (Technical File Version A6.6 or higher)	WBC	$\times 10^9/L$	9.78	$\pm 0.20$
	RBC	$\times 10^{12}/L$	4.55	$\pm 0.08$
	HGB	g/L	136	$\pm 2$
	MCV	fL	88.6	$\pm 2.0$
	PLT	$\times 10^9/L$	266	$\pm 12$
D6-CRP, DH76CRP (Technical File Version B1.0 to B2.0)	WBC	$\times 10^9/L$	9.11	$\pm 0.20$
	RBC	$\times 10^{12}/L$	4.49	$\pm 0.08$
	HGB	g/L	135	$\pm 2$
	MCV	fL	89.0	$\pm 2.0$
	PLT	$\times 10^9/L$	261	$\pm 12$
D6-CRP, DH76CRP (Technical File Version B2.2 or higher)	WBC	$\times 10^9/L$	9.43	$\pm 0.20$
	RBC	$\times 10^{12}/L$	4.58	$\pm 0.08$
	HGB	g/L	136	$\pm 2$
	MCV	fL	88.5	$\pm 2.0$
	PLT	$\times 10^9/L$	270	$\pm 12$
DF50 Vet, DF52 Vet DF55 Vet, DF56 Vet (Technical File Version A8.0 or higher and B1.0 or higher)	WBC	$\times 10^9/L$	8.89	$\pm 0.20$
	RBC	$\times 10^{12}/L$	4.66	$\pm 0.08$
	HGB	g/L	136	$\pm 2$
	MCV	fL	93.0	$\pm 2.0$
	PLT	$\times 10^9/L$	263	$\pm 12$

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DF1-CRP, DF3-CRP, DF5-CRP DF50CRP, DF52CRP, DF53CRP (Technical File Version A4.0 to A5.7)	WBC	$\times 10^9/L$	9.01	$\pm 0.20$
	RBC	$\times 10^{12}/L$	4.58	$\pm 0.08$
	HGB	g/L	135	$\pm 2$
	MCV	fL	92.0	$\pm 2.0$
	PLT	$\times 10^9/L$	261	$\pm 12$
DF1-CRP, DF3-CRP, DF5-CRP DF50CRP, DF52CRP, DF53CRP (Technical File Version A6.0)	WBC	$\times 10^9/L$	9.59	$\pm 0.20$
	RBC	$\times 10^{12}/L$	4.58	$\pm 0.08$
	HGB	g/L	136	$\pm 2$
	MCV	fL	88.8	$\pm 2.0$
	PLT	$\times 10^9/L$	262	$\pm 12$
DF1-CRP, DF3-CRP, DF5-CRP DF50CRP, DF52CRP, DF53CRP (Technical File Version A6.1 or higher)	WBC	$\times 10^9/L$	9.68	$\pm 0.20$
	RBC	$\times 10^{12}/L$	4.57	$\pm 0.08$
	HGB	g/L	136	$\pm 2$
	MCV	fL	89.1	$\pm 2.0$
	PLT	$\times 10^9/L$	267	$\pm 12$
DM71X, DM72X, DM78X, DM79X (Technical File Version A1.0 or higher)	WBC	$\times 10^9/L$	9.07	$\pm 0.20$
	RBC	$\times 10^{12}/L$	4.58	$\pm 0.08$
	HGB	g/L	137	$\pm 2$
	MCV	fL	89.3	$\pm 2.0$
	PLT	$\times 10^9/L$	270	$\pm 12$

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