



Traceability and Uncertainty

XN CAL Sysmex Calibrator System

XN-L Series Automated Hematology Analyzer

LOT NO: 4162 2101
 EXP. DATE: 14-Jul-2024

Parameter	Reference Method	Reference Material	Assigned Value	Uncertainty*	Unit
WBC-C	*1	-	7.539	0.18	10 ⁹ /L
WBC-D	*1	-	7.041	0.18	10 ⁹ /L
RBC	*1	-	4.374	0.049	10 ¹² /L
RBC-O	*1	-	4.256	0.060	10 ¹² /L
PLT	*2	-	235.8	10	10 ⁹ /L
PLT-O	*2	-	241.6	11	10 ⁹ /L
HGB	*3, *4	-	12.71	0.20	g / dL
HCT	*5	-	36.87	0.67	%

* : This uncertainty (expanded uncertainty: k=2 was calculated in accordance with the "Guide to the expression of uncertainty in measurement" (GUM: 1995).

*1: ICSH Expert Panel on Cytometry, Clinical Laboratory Haematology, 16, 131-138, 1994
 "Reference method for the enumeration of erythrocytes and leucocytes"

*2: ICSH Expert Panel on Cytometry and International Society of Laboratory Hematology Task Force on Platelet Counting, American Journal of Clinical Pathology, 115, 460-464, 2001
 "Platelet Counting by the RBC/Platelet Ratio method – A reference Method"

*3: CLSI, H15-A3
 "Reference and selected procedures for the quantitative determination of hemoglobin in blood – 3rd edition; Approved standard"

*4: Journal of Clinical Pathology, 49, 271-274, 1996
 "Recommendation for reference method for haemoglobinometry in human blood (ICSH standard 1995) and specification for international haemoglobinocyanide reference preparation (4th ed.)"

*5: CLSI H7-A3
 "Procedure for Determining Packed Cell Volume by the Microhematcrit Method – 3rd edition; Approved Standard"