NATIONAL EXTERNAL QUALITY ASSESSMENT SCHEME (NEQAS) IN BLOOD COUNT FOR THE YEAR 2021

(SAMPLE A)

Institution:	**GLOBE MEDICAL IMAGING AND LABORATORY**		
Manufacturer of Instrument: SYSMEX		Model:	SYSMEX KX-21
Statistics Group #:	4		
Participants ID:	10-0554		
		Date Calculated:	
		Date issued:	2021-02-24

TEST	UNIT	YOUR DATA	GROUP MEAN	N:NORMAL	N:TOTAL	GROUP SD	YOUR SDI	-3	-2	-1	0	1	2	3	COMMENT
WBC Count	(x10⁹/L)	6.1	2.82	572	572	0.20	16.12								Needs Improvement
RBC Count	(x10¹²/L)	4.57	2.30	572	572	0.06	38.12								Needs Improvement
Hemoglobin	(g/L)	133	56.68	572	572	1.47	52.06								Needs Improvement
Hematocrit	(%)	.366	16.36	572	572	1.49	-10.77								Needs Improvement
Platelet Count	(x10⁹/L)	295	58.84	572	572	5.56	42.47								Needs Improvement
MCV	(fL)		71.27	572	572	6.54									
MCH	(pg)		24.69	572	572	0.79									
MCHC	(g/dL)		34.77	572	572	1.83									

Comments:

1) What's SDI?

The SDI indicates the relative position of "Your Data" against "Group Mean". SDI is calculated by the following formula.

$$\text{YOUR SDI} = \frac{\text{YOUR DATA - GROUP MEAN}}{\text{GROUP SD}}$$

The SDI value "+1' indicates that the parameter's result is positioned higher than the Group Mean for 1SD distance, and "-1" indicates lower position than the Group Mean for 1SD distance. For Your Reference, the right column of the above table indicates your laboratory's SDI position for the corresponding analysis parameter.

2) Statistics Group

Group 1: ABBOTT Instruments
Group 2: HORIBA Instruments
Group 3: BECKMAN COULTER Instruments
Group 4: SYSMEX Instruments
Group 5: ORPHEE Instruments
Group 6: MINDRAY Instruments
Group 7: NIHON KOHDEN Instruments
Group 8: BOULE Instruments
Group 9: RAYTO Instruments
Group 10: SIEMENS Instruments
Group 11: URIT Instruments
Group 12: MITZUKO Instruments
Group 13: SAMSUNG Instruments
Group 14: DIRUI Instruments
Group 15: GENIUS Instruments

Group 16: ERBA Instruments
Group 17: DIATRON Instruments
Group 18: CYPRESS Instruments
Group 19: HUMAN Instruments
Group 20: AGAPPE Instruments
Group 21: B&E DIAGNOSTICS Instruments
Group 22: BIOSYSTEMS Instruments
Group 23: DYMIND BIOTECH Instruments
Group 24: Genrui Instruments
Group 25: Hycel Instruments
Group 26: NeoMedica Instrument
Group 27: Norma Instruments
Group 28: Zybio Instruments
Group 29: OTHERS Instruments
Group 30: MANUAL Instruments

3) SDI Interpretation

<= +1 - 0.5 SDI	: Excellent
<= +/- 1.0 SDI	: Very Satisfactory
<= 2.0 SDI	: Satisfactory
<= +/- 3.0 SDI	: Acceptable
> +/- 3.0 SDI	: Needs Improvement

NATIONAL EXTERNAL QUALITY ASSESSMENT SCHEME (NEQAS) IN BLOOD COUNT FOR THE YEAR 2021

(SAMPLE B)

Institution:	**GLOBE MEDICAL IMAGING AND LABORATORY**	
Manufacturer of Instrument: SYSMEX	Model:	SYSMEX KX-21
Statistics Group #: 4		
Participants ID: 10-0554	Date Calculated:	
	Date issued:	2021-02-24

TEST	UNIT	YOUR DATA	GROUP MEAN	N:NORMAL	N:TOTAL	GROUP SD	YOUR SDI	-3	-2	-1	0	1	2	3	COMMENT
WBC Count	(x10^9/L)	11.3	6.73	572	572	0.33	13.92								Needs Improvement
RBC Count	(x10^{12}/L)	3.34	4.36	572	572	0.09	-11.22								Needs Improvement
Hemoglobin	(g/L)	89	119.67	571	571	1.99	-15.41								Needs Improvement
Hematocrit	(%)	.247	33.38	572	572	1.16	-28.56								Needs Improvement
Platelet Count	(x10^9/L)	544	237.59	572	572	13.35	22.96								Needs Improvement
MCV	(fL)		76.58	572	572	2.44									
MCH	(pg)		27.46	571	571	0.65									
MCHC	(g/dL)		35.88	571	571	1.27									

Comments:

1) What's SDI?

The SDI indicates the relative position of "Your Data" against "Group Mean". SDI is calculated by the following formula.

$$\text{YOUR SDI} = \frac{\text{YOUR DATA - GROUP MEAN}}{\text{GROUP SD}}$$

The SDI value "+1' indicates that the parameter's result is positioned higher than the Group Mean for 1SD distance, and "-1" indicates lower position than the Group Mean for 1SD distance. For Your Reference, the right column of the above table indicates your laboratory's SDI position for the corresponding analysis parameter.

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3) SDI Interpretation

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