

Validation Report - Greece

Sysmex- 3 Part & 5 Part Reagents

Evaluation of Hematology Reagents

Technical Report

Reagents for 5 Part Sysmex Hematology Analyzers

In collaboration with



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Comparative Evaluation

**VDx Compatible Reagents for the Sysmex 5 Part
Hematology Analyzer**

v/s

**Reference Reagents for the Sysmex 5 Part
Hematology Analyzer**

VDx : Vanguard Diagnostics (P) Limited

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Details of Reagents

Type of Reagents	5 Part Hematology Reagents
Instrument Model	Sysmex SX -1000i (SN 11441)
VDx Compatible Reagents 1) Diluent Pack 5P1-S (20L) 2) StromaLyse-I 5P1-S (5L) 3) StromaLyse-II 5P1-S (42 ml) 4) Sulfolyser 5P1-S (500 ml)	Lot No: HD5P1S250301 Expiry Date : 28/8/27 Lot No: HC1L5P18241103 Expiry Date : 28/2/26 Lot No: HS2L5P1S250301 Expiry Date : 28/2/27 Lot No: HSL5P1S250301 Expiry Date : 28/2/27
Sysmex Reference Reagents 1) Cellpack (20L) 2) Stromatolyzer-4DL (5L) 3) Stromatolyzer – 4DS (42ml) 4) Sulfolyzer (500ml)	Lot No: D5013 Expiry Date : 12/7/26 Lot No: D5001 Expiry Date : 18/1/26 Lot No: D4157 Expiry Date : 9/12/25 Lot No: D5001 Expiry Date : 5/1/25

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Background Test		
Parameters	All Reagents from Vanguard Diagnostics	All Reagents from Sysmex as Reference
WBC (10 ³ /μl)	0.02	0.00
RBC (10 ⁶ /μl)	0.0	0.00
HGB (g/dl)	0.1	0
HCT (%)	0	0
MCV (fL)		
MCH (pg)		
MCHC (g/dl)		
RDW-SD (fL)		
RDW-CV(%)		
PLT (10 ³ /μl)	0	0
MPV (fL)		
PCT (%)		
PDW (fL)		
P-LCR (%)		
NEUT# (10 ³ /μl)		
LYMPH# (10 ³ /μl)		
MONO# (10 ³ /μl)		
EO# (10 ³ /μl)		
BASO# (10 ³ /μl)		
NEUT (%)		
LYMPH (%)		
MONO (%)		
EO (%)		

BASO (%)		
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Accuracy Study

(Coefficient of Correlation)

Objective: to determine the correlation between the results obtained with Vanguard's compatible reagents for Sysmex 5 Part Analyzer and Reference reagents for Sysmex 5 Part Analyzer.

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Coefficient of Correlation Studies

- I. The objective was to determine the correlation between the results obtained with the developed Vanguard compatible 5 Part Sysmex reagents and the 5 Part Sysmex Reference Reagents.
- II. The Coefficient of Correlation ("r") was calculated for each major parameter of the Complete Blood Count.
- III. The data has been presented in the form of:
 - 1 Sample size
 - 2 Mean x (\bar{x})
 - 3 Mean y (\bar{y})
 - 4 Intercept (a)
 - 5 Slope (b)
 - 6 Regression line equation
 - 7 Value of "r"
 - 8 Linear Regression Graph
 - 9 Raw Data of values
 - 10 Histograms will be made available at the time of visit

Note: The correlation coefficient, is a numerical value between -1 and 1 that expresses the strength of the linear relationship between two variables. When "r" is closer to 1 it indicates a strong positive relationship. A value of 0 indicates that there is no relationship. Values close to -1 signal a strong negative relationship between the two variables.

Correlation coefficient formula: There are many formulas to calculate the correlation coefficient (all yielding the same result). We used the following:

$$r = \frac{n \sum_{i=1}^n x_i y_i - \sum_{i=1}^n x_i \sum_{i=1}^n y_i}{\sqrt{(n \sum_{i=1}^n x_i^2 - (\sum_{i=1}^n x_i)^2)(n \sum_{i=1}^n y_i^2 - (\sum_{i=1}^n y_i)^2)}}$$

Where n is the total number of samples, xi (x1, x2,...,xn) are the x values and yi are the y values.

Coefficient of Correlation ("r"): WBC

x = Sysmex Reference Reagents for XS Series, 5 Part Hematology Analyzer.

y = VDX Sysmex Reagents for XS Series, 5 Part Hematology Analyzer.

$$"r" = 0.997$$

Sample size: 20

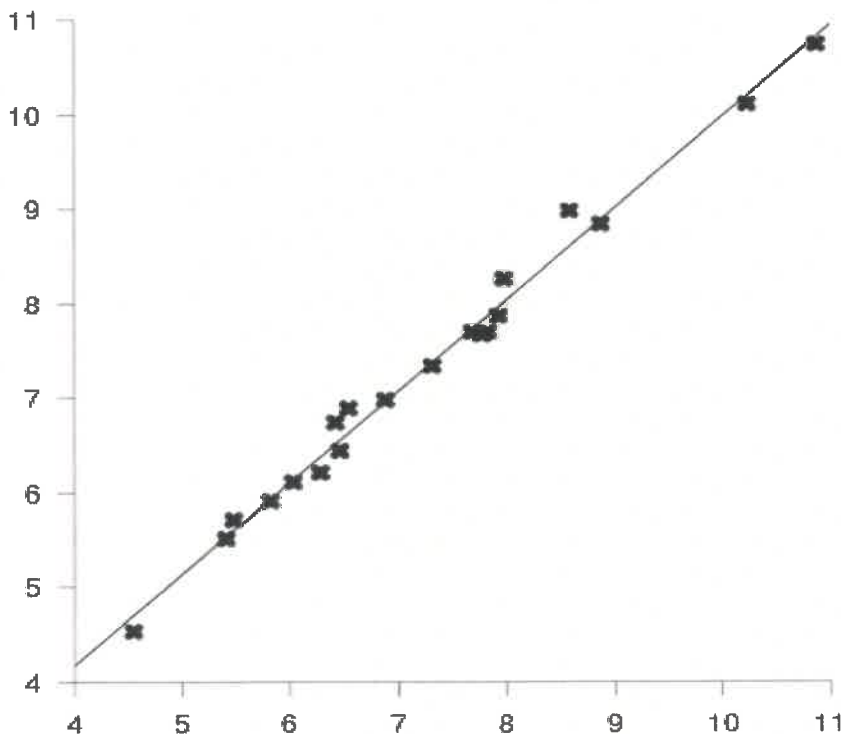
Mean x (x̄): 7.2445

Mean y (ȳ): 7.312

Intercept (a): 0.29261137247275

Slope (b): 0.96892658258365

Regression line equation: $y=0.29261137247275+0.96892658258365x$



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Specifications for Approval/Rejection of the Results: WBC

SAMPLE	All Reagents from Vanguard Diagnostics		All Reagents from Sysmex as Reference			DEVIATION	JUDGE	
	X1	X2	MEAN	Y1	Y2			MEAN
1	5.91	5.8	5.855	5.82	5.71	5.765	1.56%	OK
2	7.7	7.65	7.675	7.68	7.86	7.77	1.22%	OK
3	4.53	4.63	4.58	4.55	4.42	4.485	2.12%	OK
4	7.67	7.7	7.685	7.77	7.88	7.825	1.79%	OK
5	7.34	7.45	7.395	7.31	7.68	7.495	1.33%	OK
6	5.51	5.47	5.49	5.41	5.26	5.335	2.91%	OK
7	6.74	6.79	6.765	6.42	6.74	6.58	2.81%	OK
8	7.87	8.07	7.97	7.92	7.86	7.89	1.01%	OK
9	8.26	8.18	8.22	7.97	8.17	8.07	1.86%	OK
10	6.21	6.39	6.3	6.28	6.2	6.24	0.96%	OK
11	6.89	6.89	6.89	6.54	6.89	6.715	2.61%	OK
12	6.98	7.14	7.06	6.88	6.88	6.88	2.62%	OK
13	7.44	7.54	7.49	7.46	7.63	7.545	0.73%	OK
14	10.74	10.74	10.74	10.87	10.99	10.93	1.74%	OK
15	6.11	6.22	6.165	6.03	6.38	6.205	0.64%	OK
16	10.11	10.12	10.115	10.26	10.09	10.175	0.59%	OK
17	8.89	8.74	8.815	8.58	8.74	8.66	1.79%	OK
18	7.7	7.89	7.795	7.82	7.78	7.8	0.06%	OK
19	5.71	5.64	5.675	5.48	5.53	5.505	3.09%	OK
20	8.84	9	8.92	8.87	9.05	8.96	0.45%	OK
Passing Number	20		Passing Rate	100.0%	Requirement	≤±7.5%		
Conclusion	Pass							

WBC (10³/μl)

Experimental Scheme : 20 fresh blood samples were used for detection on two different instruments. Calculate the result deviation of the two instruments.

2 times I measure each sample

Judgment Standard : The deviation requirements are in the table below. A sample pass rate of 80% is considered to meet the requirements

Coefficient of Correlation ("r")
0.997760615

Coefficient of Correlation (“r”): RBC

x = Sysmex Reference Reagents for XS Series, 5 Part Hematology Analyzer.

y = Vdx Sysmex Reagents for XS Series, 5 Part Hematology Analyzer.

$$“r” = 0.995$$

Sample size: 20

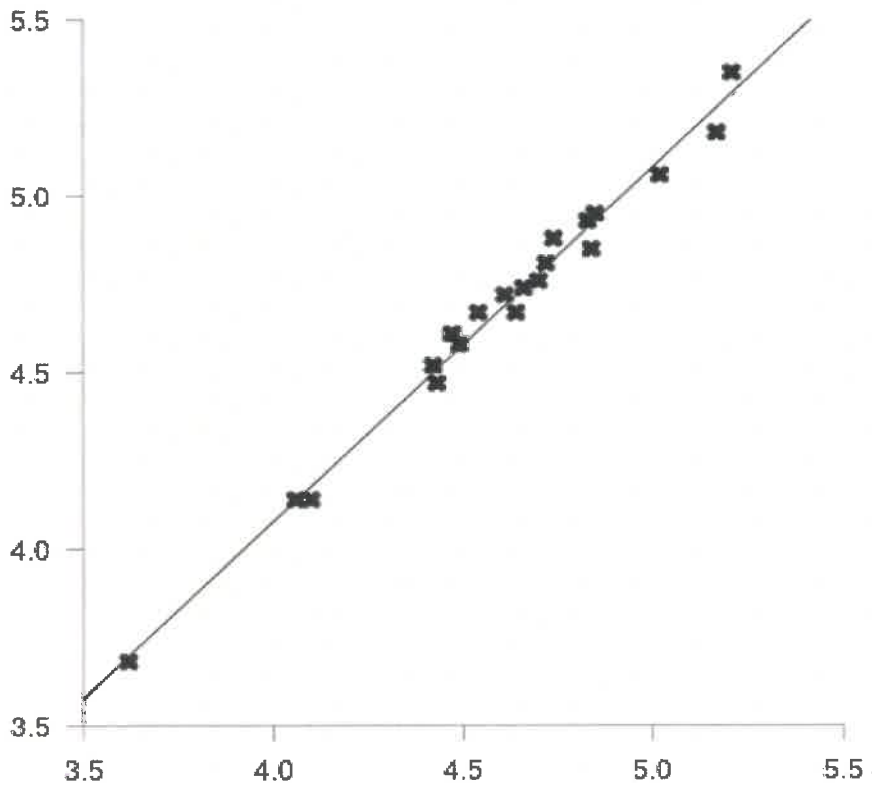
Mean x (x̄): 4.606

Mean y (ȳ): 4.6855

Intercept (a): 0.063136074444302

Slope (b): 1.0035527411107

Regression line equation: $y=0.063136074444302+1.0035527411107x$



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Specifications for Approval/Rejection of the Results: RBC

RBC ($10^6/\mu\text{l}$)

Experimental Scheme : 20 fresh blood samples were used for detection on two different instruments. Calculate the result deviation of the two instruments.
2 times I measure each sample

Judgment Standard : The deviation requirements are in the table below. A sample pass rate of 80% is considered to meet the requirements

SAMPLE	All Reagents from Vanguard Diagnostics			All Reagents from Sysmex as Reference			DEVIATION	JUDGE
	X1	X2	MEAN	Y1	Y2	MEAN		
1	4.76	4.71	4.735	4.7	4.71	4.705	0.64%	OK
2	5.18	5.23	5.205	5.17	5.16	5.165	0.77%	OK
3	4.67	4.74	4.705	4.64	4.65	4.645	1.29%	OK
4	4.47	4.44	4.455	4.43	4.4	4.415	0.91%	OK
5	4.85	4.84	4.845	4.84	4.87	4.855	0.21%	OK
6	4.61	4.57	4.59	4.47	4.49	4.48	2.46%	OK
7	4.81	4.82	4.815	4.72	4.76	4.74	1.58%	OK
8	4.52	4.49	4.505	4.42	4.37	4.395	2.50%	OK
9	3.68	3.72	3.7	3.62	3.64	3.63	1.93%	OK
10	4.72	4.77	4.745	4.61	4.66	4.635	2.37%	OK
11	4.95	4.94	4.945	4.85	4.84	4.845	2.06%	OK
12	4.14	4.22	4.18	4.1	4.09	4.095	2.08%	OK
13	4.58	4.6	4.59	4.49	4.54	4.515	1.66%	OK
14	4.74	4.77	4.755	4.66	4.69	4.675	1.71%	OK
15	5.35	5.32	5.335	5.21	5.15	5.18	2.99%	OK
16	4.88	4.82	4.85	4.74	4.7	4.72	2.75%	OK
17	5.06	5.03	5.045	5.02	4.96	4.99	1.10%	OK
18	4.67	4.64	4.655	4.54	4.57	4.555	2.20%	OK
19	4.14	4.12	4.13	4.06	4.08	4.07	1.47%	OK
20	4.93	4.9	4.915	4.83	4.82	4.825	1.87%	OK
Passing Number	20		Passing Rate	100.0%	Requirement	<±3%		
Conclusion	Pass							

Coefficient of Correlation ("r")
0.995378948

Coefficient of Correlation ("r"): HGB

x = Sysmex Reference Reagents for XS Series, 5 Part Hematology Analyzer.

y = Vdx Sysmex Reagents for XS Series, 5 Part Hematology Analyzer.

$$"r" = 0.997$$

Sample size: 20

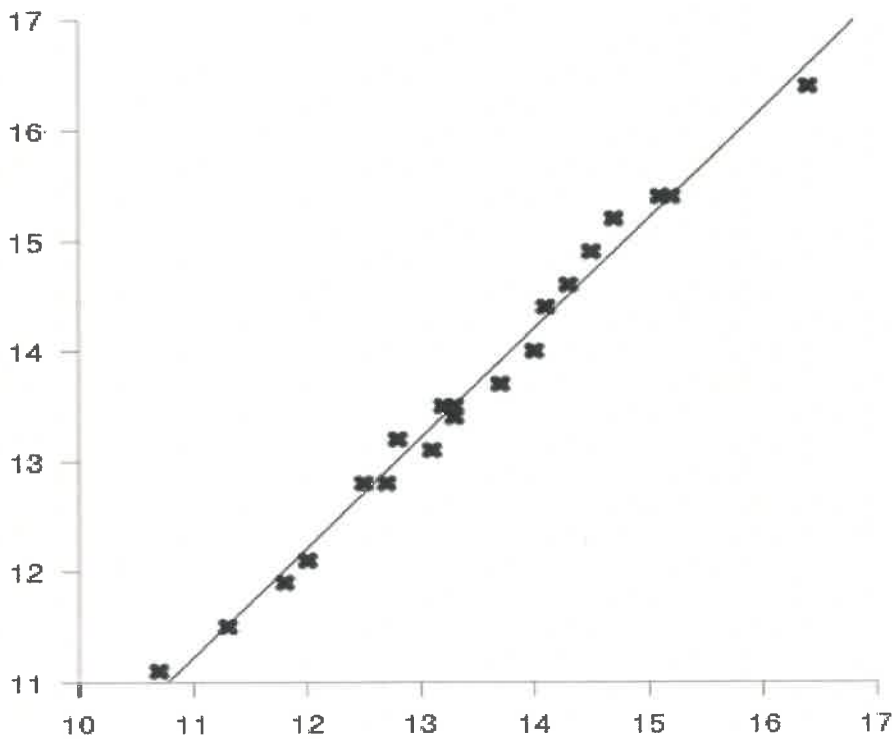
Mean x (x̄): 13.435

Mean y (ȳ): 13.645

Intercept (a): 0.27293406200796

Slope (b): 0.99531566341586

Regression line equation: $y=0.27293406200796+0.99531566341586x$



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Specifications for Approval/Rejection of the Results: HGB

SAMPLE	All Reagents from Vanguard Diagnostics			All Reagents from Sysmex as Reference			DEVIATION	JUDGE
	13.1	X2	MEAN	Y1	Y2	MEAN		
1	15.2	15	15.1	14.7	14.9	14.8	2.03%	OK
2	16.4	16.6	16.5	16.4	16.2	16.3	1.23%	OK
3	14.9	14.8	14.85	14.5	14.6	14.55	2.06%	OK
4	13.4	13.3	13.35	13.3	13.2	13.25	0.75%	OK
5	13.1	13.1	13.1	13.1	13.1	13.1	0.00%	OK
6	12.8	12.8	12.8	12.7	12.6	12.65	1.19%	OK
7	14	14.2	14.1	14	14	14	0.71%	OK
8	14.6	14.5	14.55	14.3	14.5	14.4	1.04%	OK
9	11.9	12.1	12	11.8	11.9	11.85	1.27%	OK
10	12.8	12.9	12.85	12.5	12.6	12.55	2.39%	OK
11	15.4	15.6	15.5	15.1	15.1	15.1	2.65%	OK
12	11.1	10.8	10.95	10.7	10.7	10.7	2.34%	OK
13	14.4	14.5	14.45	14.1	14.2	14.15	2.12%	OK
14	12.1	12.1	12.1	12	11.9	11.95	1.26%	OK
15	11.5	11.4	11.45	11.3	11.4	11.35	0.88%	OK
16	13.2	13.2	13.2	12.8	12.8	12.8	3.12%	OK
17	15.4	15.4	15.4	15.2	15.3	15.25	0.98%	OK
18	13.7	13.8	13.75	13.7	13.6	13.65	0.73%	OK
19	13.5	13.4	13.45	13.3	13.3	13.3	1.13%	OK
20	13.5	13.5	13.5	13.2	13.3	13.25	1.89%	OK
Passing Number	20	Passing Rate	100.0%	Requirement	$\pm 3.5\%$			
Conclusion	Pass							

Experimental Scheme : 20 fresh blood samples were used for detection on two different instruments. Calculate the result deviation of the two instruments.

2 times I measure each sample

Judgment Standard : The deviation requirements are in the table below. A sample pass rate of 80% is considered to meet the requirements

Coefficient of Correlation ("r")
0.997223633

Coefficient of Correlation ("r"): HCT

x = Sysmex Reference Reagents for XS Series, 5 Part Hematology Analyzer.

y = VDX Sysmex Reagents for XS Series, 5 Part Hematology Analyzer.

$$"r" = 0.995$$

Sample size: 20

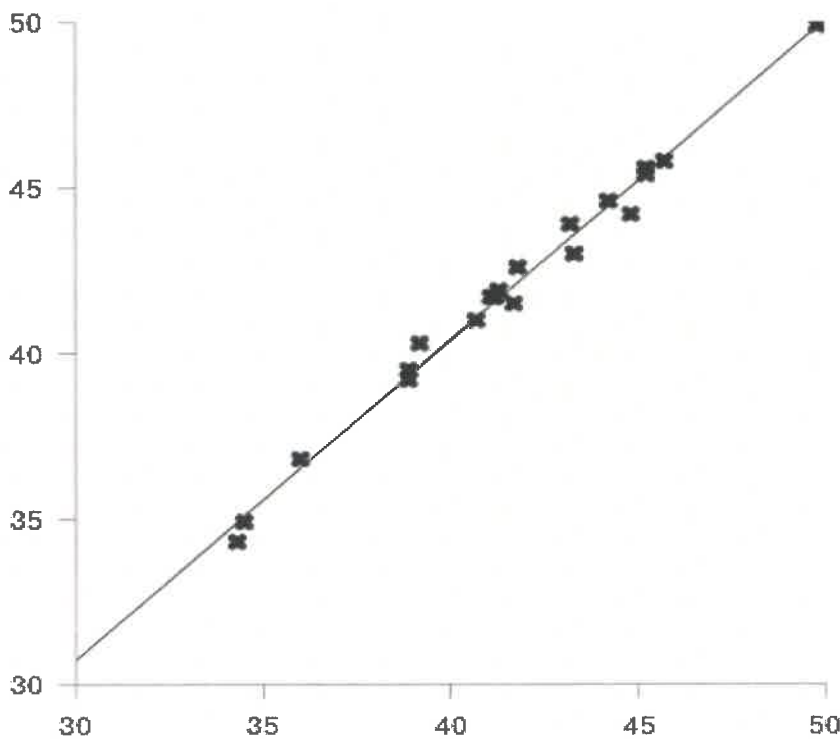
Mean x (\bar{x}): 41.55

Mean y (\bar{y}): 41.89

Intercept (a): 1.7397060145963

Slope (b): 0.96631273129732

Regression line equation: $y = 1.7397060145963 + 0.96631273129732x$



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Specifications for Approval/Rejection of the Results: HCT

SAMPLE	All Reagents from Vanguard Diagnostics			All Reagents from Sysmex as Reference			DEVIATION	JUDGE
	41.4	X2	MEAN	Y1	Y2	MEAN		
1	45.8	45.4	45.6	45.7	45.8	45.75	0.33%	OK
2	49.9	50.3	50.1	49.8	49.6	49.7	0.80%	OK
3	43	43.7	43.35	43.2	43.3	43.25	0.23%	OK
4	41.7	41.5	41.6	41.2	40.7	40.95	1.59%	OK
5	41.5	41.4	41.45	41.7	41.8	41.75	0.72%	OK
6	40.3	39.9	40.1	39.2	39.2	39.2	2.30%	OK
7	44.2	44.4	44.3	44.8	45	44.9	1.34%	OK
8	43.9	43.5	43.7	43.2	42.5	42.85	1.98%	OK
9	34.9	35.2	35.05	34.5	34.6	34.55	1.45%	OK
10	39.5	40	39.75	38.9	39.3	39.1	1.66%	OK
11	45.6	45.6	45.6	45.2	44.9	45.05	1.22%	OK
12	34.3	34.8	34.55	34.3	34.1	34.2	1.02%	OK
13	44.6	45	44.8	44.2	44.6	44.4	0.90%	OK
14	39.2	39.4	39.3	38.9	38.9	38.9	1.03%	OK
15	36.8	36.4	36.6	36	35.6	35.8	2.23%	OK
16	41.7	41.3	41.5	41.1	40.6	40.85	1.59%	OK
17	45.4	45.4	45.4	45.2	44.6	44.9	1.11%	OK
18	42.6	42.4	42.5	41.8	41.9	41.85	1.55%	OK
19	41	40.9	40.95	40.7	40.7	40.7	0.61%	OK
20	41.9	41.7	41.8	41.3	41.1	41.2	1.46%	OK
Passing Number	20	Passing Rate	100.0%	Requirement	<±3.5%			
Conclusion	Pass							

Coefficient of Correlation ("r")
0.99543665

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Coefficient of Correlation (“r”): MCV

x = Sysmex Reference Reagents for XS Series, 5 Part Hematology Analyzer.
y = VDx Sysmex Reagents for XS Series, 5 Part Hematology Analyzer.

$$“r” = 0.993$$

Sample size: 20

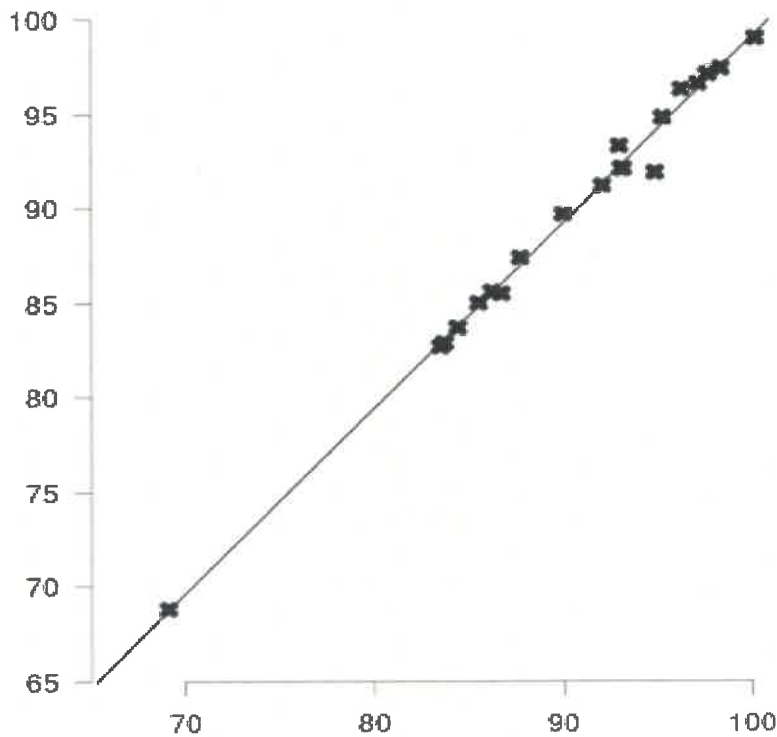
Mean x (x̄): 90.41

Mean y (ȳ): 89.655

Intercept (a): 0.92508364752815

Slope (b): 0.98141705953403

Regression line equation: $y=0.92508364752815+0.98141705953403x$



ΒΟΥΛΑ ΠΑΝΑΓΙΩΤΑ
ΒΟΥΛΑ Ε. ΠΑΝΑΓΙΩΤΑ
ΙΑΤΡΟΣ ΒΙΟΠΑΘΟΛΟΓΟΣ MD,MS^c
28ης ΜΑΡΤΙΟΥ 2 ΑΜΑΛΙΑΔΑ
Τηλ: 26220 38475 - Α.Μ.Τ. 93691
Α.Φ.Μ. 078200386 - Δ.Ο.Υ ΑΜΑΛΙΑΔΑΣ
Α.Μ.Κ.Α. 02127101729

Specifications for Approval/Rejection of the Results: MCV

SAMPLE	All Reagents from Vanguard Diagnostics		All Reagents from Sysmex as Reference			DEVIATION	JUDGE	
	85.5	X2	MEAN	Y1	Y2			MEAN
1	96.6	96.4	96.5	97.2	97.2	97.2	0.72%	OK
2	96.3	96.2	96.25	96.3	96.1	96.2	0.05%	OK
3	92.1	92.2	92.15	93.1	93.1	93.1	1.02%	OK
4	93.3	93.5	93.4	93	92.5	92.75	0.70%	OK
5	85.6	85.5	85.55	86.2	85.8	86	0.52%	OK
6	87.4	87.3	87.35	87.7	87.3	87.5	0.17%	OK
7	91.9	92.1	92	94.9	94.5	94.7	2.85%	OK
8	97.1	96.9	97	97.7	97.3	97.5	0.51%	OK
9	94.8	94.6	94.7	95.3	95.1	95.2	0.53%	OK
10	83.7	83.9	83.8	84.4	84.3	84.35	0.65%	OK
11	92.1	92.3	92.2	93.2	92.8	93	0.86%	OK
12	82.9	82.5	82.7	83.7	87.4	85.55	3.33%	OK
13	97.4	97.8	97.6	98.4	98.2	98.3	0.71%	OK
14	82.7	82.6	82.65	83.5	82.9	83.2	0.66%	OK
15	68.8	68.4	68.6	69.1	69.1	69.1	0.72%	OK
16	85.5	85.7	85.6	86.7	86.4	86.55	1.10%	OK
17	89.7	90.3	90	90	89.9	89.95	0.06%	OK
18	91.2	91.4	91.3	92.1	91.7	91.9	0.65%	OK
19	99	99.3	99.15	100.2	99.8	100	0.85%	OK
20	85	85.1	85.05	85.5	85.3	85.4	0.41%	OK
Passing Number	20	Passing Rate	100.0%	Requirement	<±3.5%			
Conclusion	Pass							

Experimental Scheme : 20 fresh blood samples were used for detection on two different instruments. Calculate the result deviation of the two instruments.

2 times I measure each sample

Judgment Standard : The deviation requirements are in the table below. A sample pass rate of 80% is considered to meet the requirements

Coefficient of Correlation ("r")
0.993415709

ΒΟΪΛΑ ΠΑΝΑΓΙΩΤΑ

ΒΟΪΛΑ Ε. ΠΑΝΑΓΙΩΤΑ

ΙΑΤΡΟΙ ΒΙΟΠΑΘΟΛΟΓΟΣ MD,MS'c

25ης ΜΑΡΤΙΟΥ 2 ΑΜΑΛΙΑΔΑ

Τηλ: 29220 38475 - Α.Μ.Τ. 93691

ΑΔΜ 075200366 - Δ.Ο.Υ ΑΜΑΛΙΑΔΑΣ

Α.Μ.Κ.Α. 03127101729

Coefficient of Correlation ("r"): MCH

x = Sysmex Reference Reagents for XS Series, 5 Part Hematology Analyzer.

y = VDX Sysmex Reagents for XS Series, 5 Part Hematology Analyzer.

"r" = 0.995

Sample size: 20

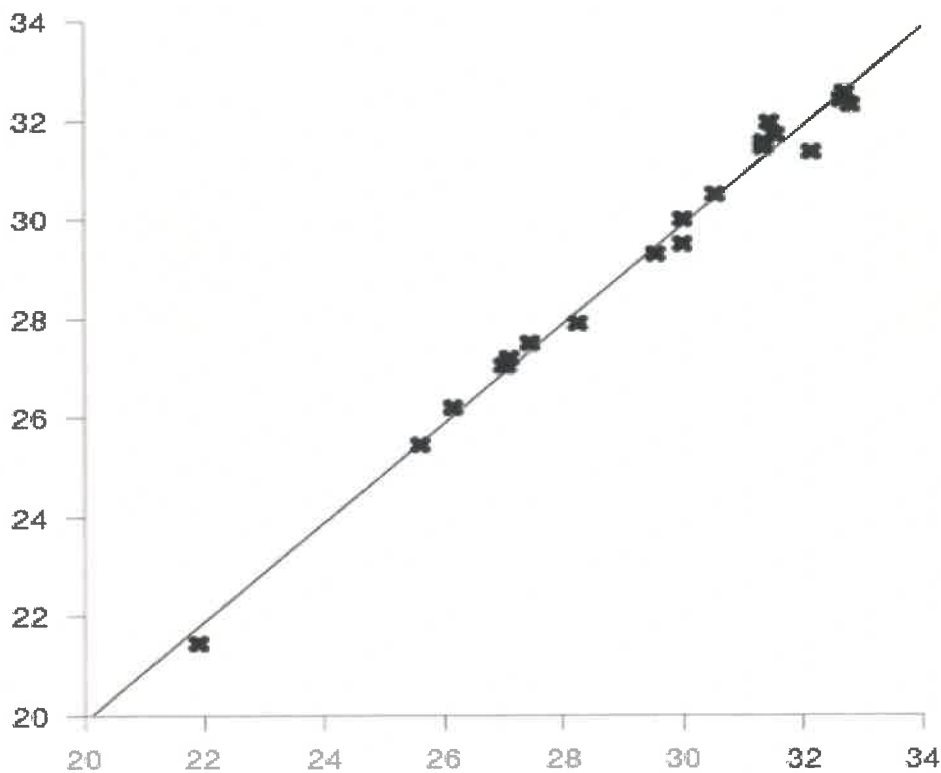
Mean x (x̄): 29.33

Mean y (ȳ): 29.2175

Intercept (a): -0.096197706304338

Slope (b): 0.99944417682592

Regression line equation: $y=0.99944417682592x-0.096197706304338$



ΒΟΪΛΑ ΠΑΝΑΓΙΩΤΑ

ΒΟΪΛΑ Ε. ΠΑΝΑΓΙΩΤΑ
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Α.Μ.Κ.Α. 0212701729



Specifications for Approval/Rejection of the Results : MCH

SAMPLE	All Reagents from Vanguard Diagnostics			All Reagents from Sysmex as Reference			DEVIATION	JUDGE
	27.1	X2	MEAN	Y1	Y2	MEAN		
1	32.1	31.8	31.95	31.3	31.6	31.45	1.59%	OK
2	31.7	31.7	31.7	31.7	31.4	31.55	0.48%	OK
3	31.9	31.2	31.55	31.3	31.4	31.35	0.64%	OK
4	30	30	30	30	30	30	0.00%	OK
5	27	27.1	27.05	27.1	26.9	27	0.19%	OK
6	27.8	28	27.9	28.4	28.1	28.25	1.24%	OK
7	29.1	29.5	29.3	29.7	29.4	29.55	0.85%	OK
8	32.3	32.3	32.3	32.4	33.2	32.8	1.52%	OK
9	32.3	32.5	32.4	32.6	32.7	32.65	0.77%	OK
10	27.1	27	27.05	27.1	27	27.05	0.00%	OK
11	31.1	31.6	31.35	33.1	31.2	32.15	2.49%	OK
12	26.8	25.6	26.2	26.1	26.2	26.15	0.19%	OK
13	31.4	31.5	31.45	31.4	31.3	31.35	0.32%	OK
14	25.5	25.4	25.45	25.8	25.4	25.6	0.59%	OK
15	21.5	21.4	21.45	21.7	22.1	21.9	2.05%	OK
16	27	27.4	27.2	27	27.2	27.1	0.37%	OK
17	30.4	30.6	30.5	30.3	30.8	30.55	0.16%	OK
18	29.3	29.7	29.5	30.2	29.8	30	1.67%	OK
19	32.6	32.5	32.55	32.8	32.6	32.7	0.46%	OK
20	27.4	27.6	27.5	27.3	27.6	27.45	0.18%	OK
Passing Number	20	Passing Rate	100.0%	Requirement	<±3.5%			
Conclusion	Pass							

Experimental Scheme : 20 fresh blood samples were used for detection on two different instruments. Calculate the result deviation of the two instruments.

2 times I measure each sample

Judgment Standard : The deviation requirements are in the table below. A sample pass rate of 80% is considered to meet the requirements

Coefficient of Correlation ("r")
0.995762507

ΒΟΙΛΑ ΠΑΝΑΓΙΩΤΑ



ΒΟΙΛΑ Ε. ΠΑΝΑΓΙΩΤΑ
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Α.Ο.Μ. 076200000 - Α.Ο.Υ. ΑΜΑΛΙΑΔΑΣ
Α.Μ.Κ.Α. 145470723

Coefficient of Correlation (“r”): MCHC

x = Sysmex Reference Reagents for XS Series, 5 Part Hematology Analyzer.

y = VDX Sysmex Reagents for XS Series, 5 Part Hematology Analyzer.

$$“r” = 0.944$$

Sample size: 20

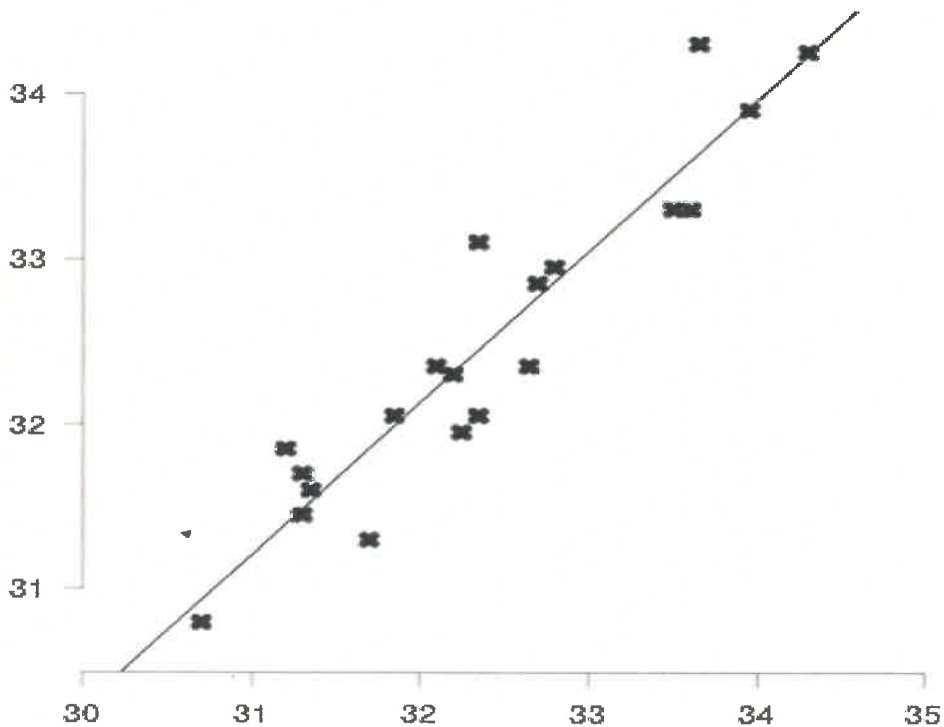
Mean x (x̄): 32.39

Mean y (ȳ): 32.485

Intercept (a): 2.7933291964032

Slope (b): 0.9166925224945

Regression line equation: $y = 2.7933291964032 + 0.9166925224945x$



ΒΟΪΛΑ ΠΑΝΑΓΙΩΤΑ

ΒΟΪΛΑ Ε. ΠΑΝΑΓΙΩΤΑ
ΙΑΤΡΟΣ ΒΙΟΠΑΘΟΛΟΓΟΣ MD, MS^c
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Α.Φ.Μ. 075200386 - Δ.Ο.Υ ΑΜΑΛΙΑΔΑΣ
Α.Π.Κ.Α. 02127101729



Specifications for Approval/Rejection of the Results: MCHC

SAMPLE	All Reagents from Vanguard Diagnostics			All Reagents from Sysmex as Reference			DEVIATION	JUDGE
	31.6	X2	MEAN	Y1	Y2	MEAN		
1	33.2	33	33.1	32.2	32.5	32.35	2.32%	OK
2	32.9	33	32.95	32.9	32.7	32.8	0.46%	OK
3	34.7	33.9	34.3	33.6	33.7	33.65	1.93%	OK
4	32.1	32	32.05	32.3	32.4	32.35	0.93%	OK
5	31.6	31.6	31.6	31.4	31.3	31.35	0.80%	OK
6	31.8	32.1	31.95	32.4	32.1	32.25	0.93%	OK
7	31.7	32	31.85	31.3	31.1	31.2	2.08%	OK
8	33.3	33.3	33.3	33.1	34.1	33.6	0.89%	OK
9	34.1	34.4	34.25	34.2	34.4	34.3	0.15%	OK
10	32.4	32.3	32.35	32.1	32.1	32.1	0.78%	OK
11	33.8	34.2	34	33.4	33.6	33.5	1.49%	OK
12	32.4	31	31.7	31.2	31.4	31.3	1.28%	OK
13	32.3	32.2	32.25	31.9	31.8	31.85	1.26%	OK
14	30.9	30.7	30.8	30.8	30.6	30.7	0.33%	OK
15	31.3	31.3	31.3	31.4	32	31.7	1.26%	OK
16	31.7	32	31.85	31.1	31.5	31.3	1.76%	OK
17	33.9	33.9	33.9	33.6	34.3	33.95	0.15%	OK
18	32.2	32.5	32.35	32.8	32.5	32.65	0.92%	OK
19	32.9	32.8	32.85	32.7	32.7	32.7	0.46%	OK
20	32.2	32.4	32.3	32	32.4	32.2	0.31%	OK
Passing Number	20	Passing Rate	100.0%	Requirement	<±3.5%			
Conclusion	Pass							

Experimental Scheme : 20 fresh blood samples were used for detection on two different instruments. Calculate the result deviation of the two instruments.

2 times I measure each sample

Judgment Standard : The deviation requirements are in the table below. A sample pass rate of 80% is considered to meet the requirements

Coefficient of Correlation ("r")
0.944535053

ΒΟΪΛΑ ΠΑΝΑΓΙΩΤΑ

ΒΟΪΛΑ Ε. ΠΑΝΑΓΙΩΤΑ
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 Α.Μ.Κ.Α. 02127101729

Coefficient of Correlation ("r"): PLT

x = Sysmex Reference Reagents for XS Series, 5 Part Hematology Analyzer.

y = VDX Sysmex Reagents for XS Series, 5 Part Hematology Analyzer.

"r" = 0.995

Sample size: 20

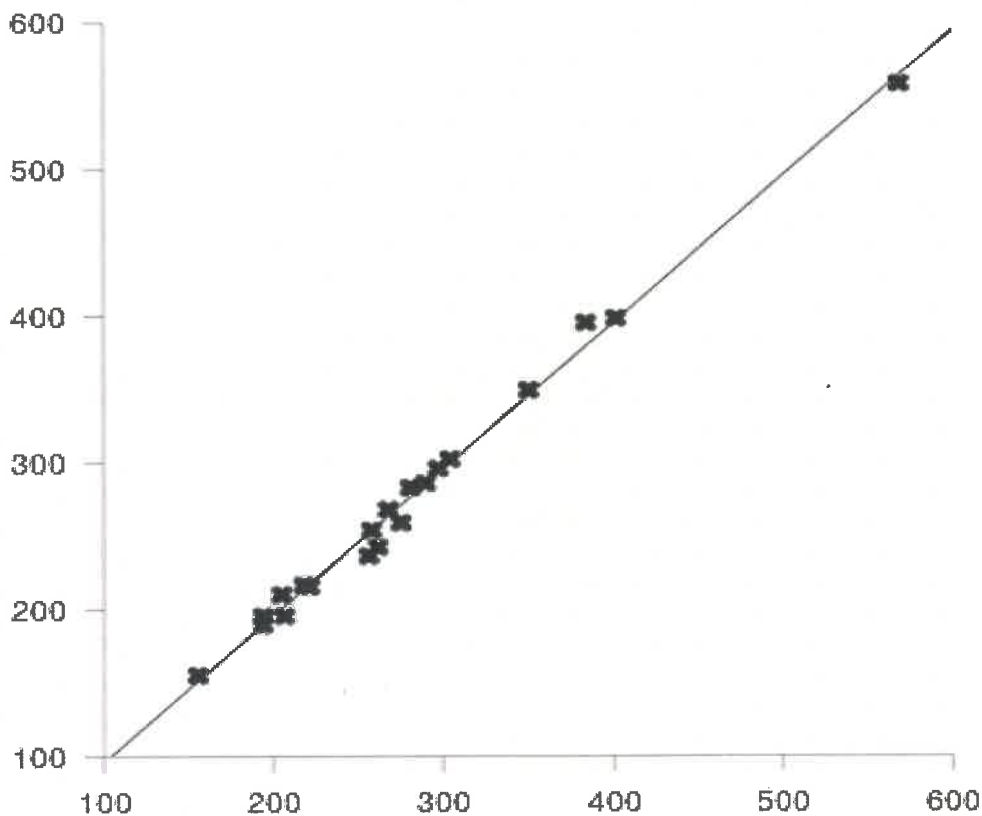
Mean x (x̄): 32.39

Mean y (ȳ): 32.485

Intercept (a): 2.7933291964032

Slope (b): 0.9166925224945

Regression line equation: $y=2.7933291964032+0.9166925224945x$



ΒΟΪΛΑ ΠΑΝΑΓΙΩΤΑ

ΒΟΪΛΑ Ε. ΠΑΝΑΓΙΩΤΑ
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Specifications for Approval/Rejection of the Results : PLT

PLT ($10^3/\mu\text{l}$)

Experimental Scheme : 20 fresh blood samples were used for detection on two different instruments. Calculate the result deviation of the two instruments.

2 times I measure each sample

Judgment Standard : The deviation requirements are in the table below. A sample pass rate of 80% is considered to meet the requirements

SAMPLE	All Reagents from Vanguard Diagnostic			All Reagents from Sysmex as Reference			DEVIATION	JUDGE
	191	X2	MEAN	Y1	Y2	MEAN		
1	233	252	242.5	264	262	263	7.79%	OK
2	231	242	236.5	260	253	256.5	7.80%	OK
3	154	156	155	158	153	155.5	0.32%	OK
4	268	268	268	274	262	268	0.00%	OK
5	200	191	195.5	191	197	194	0.77%	OK
6	399	398	398.5	410	393	401.5	0.75%	OK
7	187	192	189.5	189	199	194	2.32%	OK
8	188	203	195.5	200	213	206.5	5.33%	OK
9	283	289	286	286	294	290	1.38%	OK
10	276	288	282	278	284	281	0.36%	OK
11	211	220	215.5	223	220	221.5	2.71%	OK
12	395	396	395.5	379	389	384	2.99%	OK
13	250	258	254	253	263	258	1.55%	OK
14	349	350	349.5	354	347	350.5	0.29%	OK
15	297	308	302.5	310	299	304.5	0.66%	OK
16	525	551	538	572	566	569	5.45%	OK
17	256	262	259	274	277	275.5	5.99%	OK
18	290	290	290	298	297	297.5	2.52%	OK
19	210	210	210	203	207	205	2.44%	OK
20	217	216	216.5	212	224	218	0.69%	OK
Passing Number	20		Passing Rate	100.0%	Requirement	<±12.5%		
Conclusion	Pass							

Coefficient of Correlation ("r")
0.995568672

ΒΟΥΛΑ ΠΑΝΑΓΙΩΤΑ

ΒΟΥΛΑ Ε. ΠΑΝΑΓΙΩΤΑ
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25ης ΜΑΡΤΙΟΥ 2 ΑΜΑΛΙΑΔΑ
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Α.Φ.Μ. 075200366 - Δ.Ο.Υ ΑΜΑΛΙΑΔΑΣ
Α.Μ.Κ.Α. 02127101729



Coefficient of Correlation (“r”): NEUT%

x = Sysmex Reference Reagents for XS Series, 5 Part Hematology Analyzer.

y = VDX Sysmex Reagents for XS Series, 5 Part Hematology Analyzer.

$$“r” = 0.982$$

Sample size: 20

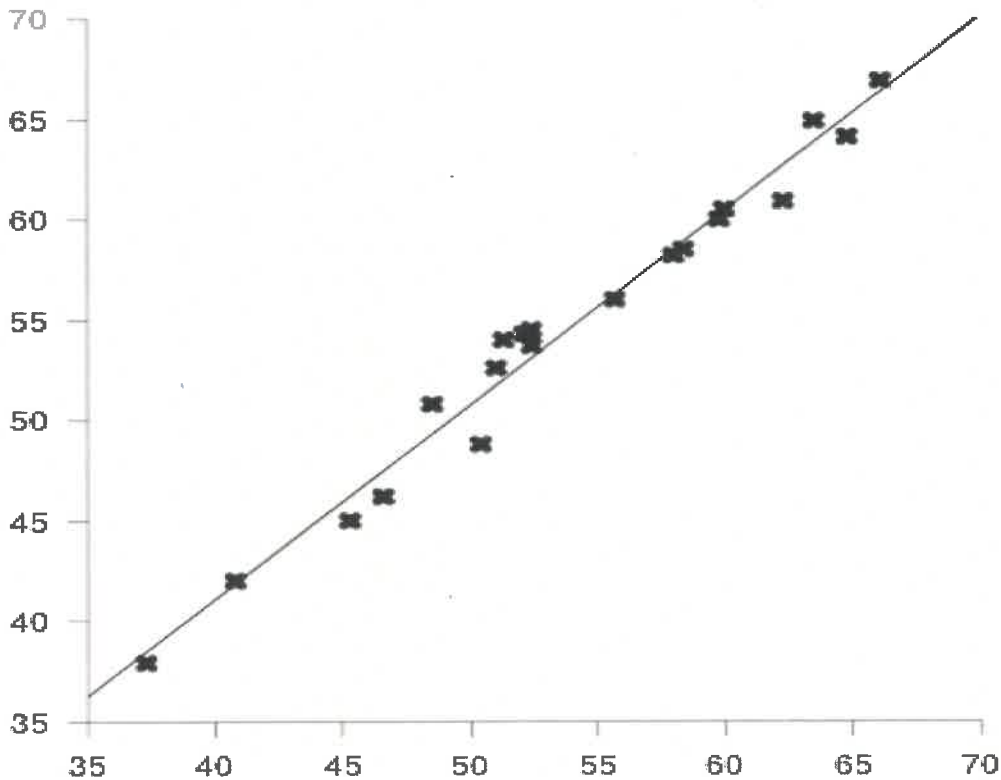
Mean x (x̄): 53.835

Mean y (ȳ): 54.49

Intercept (a): 2.3419670621344

Slope (b): 0.96866412069965

Regression line equation: $y = 2.3419670621344 + 0.96866412069965x$



ΒΟΪΛΑ ΠΑΝΑΓΙΩΤΑ

ΒΟΪΛΑ Ε. ΠΑΝΑΓΙΩΤΑ
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Α.Μ.Κ.Α. 02127101729

Specifications for Approval/Rejection of the Results : NEUT%

SAMPLE	All Reagents from Vanguard Diagnostics		All Reagents from Sysmex as Reference			DEVIATION	JUDGE	
	66	X2	MEAN	Y1	Y2			MEAN
1	37.9	39.3	38.6	37.3	38.4	37.85	1.98%	OK
2	46.2	39.3	42.75	46.6	45.6	46.1	7.27%	OK
3	58.2	58	58.1	58	58.8	58.4	0.51%	OK
4	64.9	65.3	65.1	63.5	64.2	63.85	1.96%	OK
5	60	66	63	59.8	59.3	59.55	5.79%	OK
6	52.6	53.2	52.9	51	53.2	52.1	1.54%	OK
7	54	52.3	53.15	51.3	51.9	51.6	3.00%	OK
8	60.9	62.9	61.9	62.3	62.4	62.35	0.72%	OK
9	60.5	59.2	59.85	60	59.9	59.95	0.17%	OK
10	42	42.7	42.35	40.8	41.7	41.25	2.67%	OK
11	54.5	54.3	54.4	52.4	52	52.2	4.21%	OK
12	64.1	66.1	65.1	64.8	64.6	64.7	0.62%	OK
13	56	54.9	55.45	55.7	54.8	55.25	0.36%	OK
14	53.7	53	53.35	52.4	53.3	52.85	0.95%	OK
15	54.3	53.4	53.85	52.1	52.7	52.4	2.77%	OK
16	45	44.8	44.9	45.3	44.7	45	0.22%	OK
17	58.5	58.3	58.4	58.4	57.9	58.15	0.43%	OK
18	48.8	50.2	49.5	50.4	51.5	50.95	2.85%	OK
19	50.8	49.3	50.05	48.5	48.6	48.55	3.09%	OK
20	66.9	66.9	66.9	66.1	65.1	65.6	1.98%	OK
Passing Number	20		Passing Rate	100.0%	Requirement	≤±7.5%		
Conclusion	Pass							

Experimental Scheme : 20 fresh blood samples were used for detection on two different instruments. Calculate the result deviation of the two instruments.

2 times I measure each sample

Judgment Standard : The deviation requirements are in the table below. A sample pass rate of 80% is considered to meet the requirements

Coefficient of Correlation ("r")
0.981559136

Coefficient of Correlation ("r"): LYMPH%

x = Sysmex Reference Reagents for XS Series, 5 Part Hematology Analyzer.

y = VDX Sysmex Reagents for XS Series, 5 Part Hematology Analyzer.

"r" = 0.945

Sample size: 19

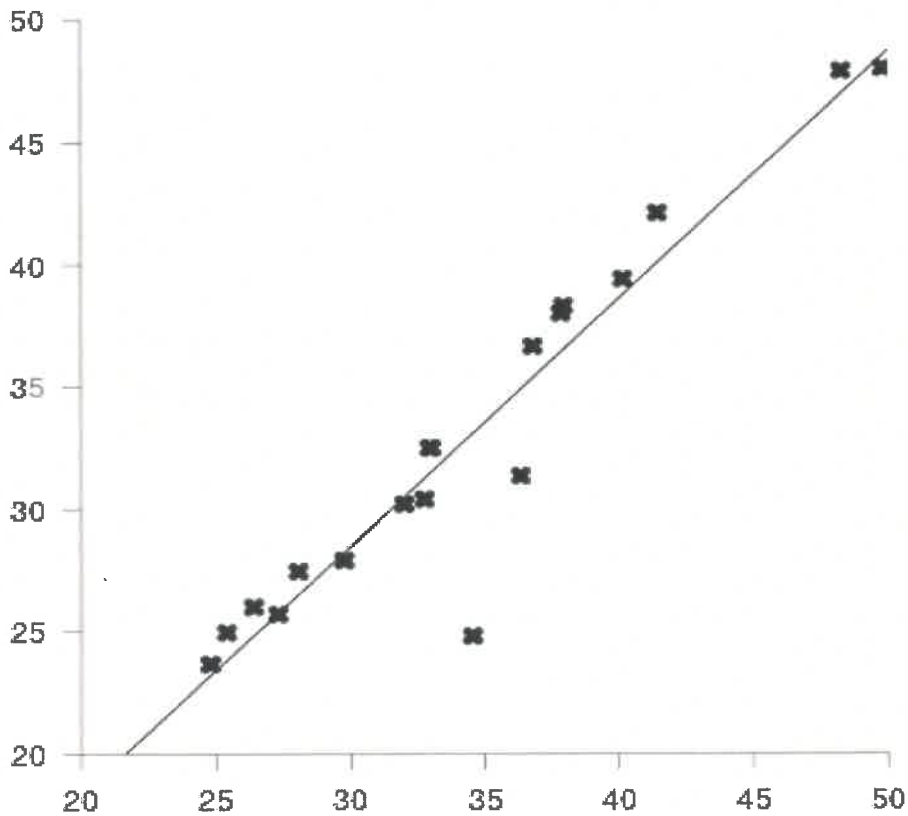
Mean x (x): 34.502631578947

Mean y (y): 33.039473684211

Intercept (a): -1.9328108066975

Slope (b): 1.0136120895847

Regression line equation: $y=1.0136120895847x-1.9328108066975$



ΒΟΪΛΑ ΠΑΝΑΓΙΩΤΑ

ΒΟΪΛΑ Ε. ΠΑΝΑΓΙΩΤΑ
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Α.Μ.Κ.Α. 02127101729

Specifications for Approval/Rejection of the Results: LYMPH%

SAMPLE	All Reagents from Vanguard Diagnostics			All Reagents from Sysmex as Reference			DEVIATION	JUDGE
	27.8	X2	MEAN	Y1	Y2	MEAN		
1	49.6	42.4	46	50.2	49.4	49.8	7.63%	OK
2	41.3	40.9	41.1	41.3	41.6	41.45	0.84%	OK
3	28.7	28.7	28.7	30.5	29	29.75	3.53%	OK
4	28.3	27.5	27.9	28.2	27.9	28.05	0.53%	OK
5	27.1	27.8	27.45	27.6	28.3	27.95	1.79%	OK
6	33.4	31.6	32.5	33.5	32.5	33	1.52%	OK
7	30.3	32.4	31.35	36.6	36.1	36.35	13.76%	OK
8	26.9	24.5	25.7	27.4	27.2	27.3	5.86%	OK
9	24.3	25.6	24.95	25.6	25.2	25.4	1.77%	OK
10	48.5	47.3	47.9	48.6	47.9	48.25	0.73%	OK
11	24.8	24.8	24.8	34.6	34.5	34.55	28.22%	OK
12	24.6	22.7	23.65	24.6	25	24.8	4.64%	OK
13	30.4	30	30.2	31.4	32.6	32	5.63%	OK
14	32.3	28.5	30.4	33.1	32.4	32.75	7.18%	OK
15	36.8	36.5	36.65	36.8	36.8	36.8	0.41%	OK
16	38.5	37.5	38	37.5	38.2	37.85	0.40%	OK
17	32.3	32.7	32.5	32.2	33.7	32.95	1.37%	OK
18	37.8	38.8	38.3	38.6	37.3	37.95	0.92%	OK
19	39.1	39.7	39.4	40.7	39.6	40.15	1.87%	OK
20	26	26	26	25.7	27.1	26.4	1.52%	OK
Passing Number	20		Passing Rate	100.0%	Requirement	<±8%		
Conclusion	Pass							

Experimental Scheme : 20 fresh blood samples were used for detection on two different instruments. Calculate the result deviation of the two instruments.

2 times I measure each sample

Judgment Standard : The deviation requirements are in the table below. A sample pass rate of 80% is considered to meet the requirements

Coefficient of Correlation ("r")
0.945478013

ΒΟΪΛΑ ΠΑΝΑΓΙΩΤΑ

ΒΟΪΛΑ Ε. ΠΑΝΑΓΙΩΤΑ
ΙΑΤΡΟΣ ΒΙΟΠΛΑΣΤΟΛΟΓΟΣ ΜD, MS'c
25ης ΜΑΡΤΙΟΥ, 2 ΑΜΑΛΙΑΔΑ
Τηλ: 20220.99475 - Α.Μ.Τ. 93691
Α.Μ.Κ.Α. 02127101729



Coefficient of Correlation ("r"): EOS%

x = Sysmex Reference Reagents for XS Series, 5 Part Hematology Analyzer.
y = VDX Sysmex Reagents for XS Series, 5 Part Hematology Analyzer.

"r" = 0.986

Sample size: 20

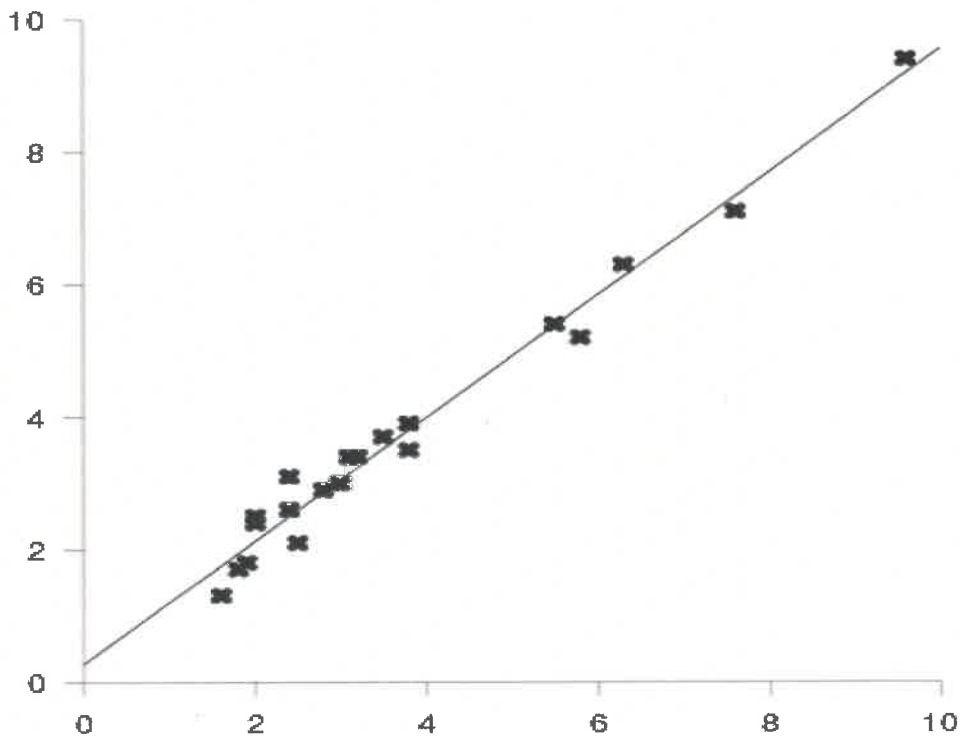
Mean x (x̄): 3.73

Mean y (ȳ): 3.735

Intercept (a): 0.26804696176424

Slope (b): 0.92947802633666

Regression line equation: $y = 0.26804696176424 + 0.92947802633666x$



ΒΟΪΛΑ ΠΑΝΑΓΙΩΤΑ

ΒΟΪΛΑ Ε. ΠΑΝΑΓΙΩΤΑ
ΙΑΤΡΟΣ ΒΙΟΠΑΘΟΛΟΓΟΣ MD, MS^c
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Τηλ: 26220 38475 - Α.Μ.Τ. 93691
Α.Φ.Μ. 075200366 - Δ.Ο.Υ ΑΜΑΛΙΑΔΑΣ
Α.Μ.Κ.Α. 02127101729

Specifications for Approval/Rejection of the Results: EOS%

Experimental Scheme : 20 fresh blood samples were used for detection on two different instruments. Calculate the result deviation of the two instruments.
2 times I measure each sample

Judgment Standard : The deviation requirements are in the table below. A sample pass rate of 80% is considered to meet the requirements

SAMPLE	All Reagents from Vanguard Diagnostics			All Reagents from Sysmex as Reference			DEVIATION	JUDGE
	2.8	X2	MEAN	Y1	Y2	MEAN		
1	5.2	5.2	5.2	5.8	5.3	5.55	6.31%	OK
2	3.9	4.2	4.05	3.8	3.7	3.75	8.00%	OK
3	3.1	3	3.05	2.4	2.5	2.45	24.49%	NO
4	1.7	1.6	1.65	1.8	2.2	2	17.50%	OK
5	3	2.8	2.9	3	3	3	3.33%	OK
6	7.1	7.7	7.4	7.6	7.2	7.4	0.00%	OK
7	2.5	2.9	2.7	2	2.1	2.05	31.71%	NO
8	2.4	2.1	2.25	2	2	2	12.50%	OK
9	3.4	3.4	3.4	3.1	3.5	3.3	3.03%	OK
10	3.5	3.4	3.45	3.8	3.7	3.75	8.00%	OK
11	4.5	5.4	4.95	5.5	5.7	5.6	11.61%	OK
12	3.7	3.8	3.75	3.5	3.1	3.3	13.64%	OK
13	3.4	3.3	3.35	3.2	3	3.1	8.06%	OK
14	6.3	6.7	6.5	6.3	6	6.15	5.69%	OK
15	2.1	2.1	2.1	2.5	2.5	2.5	16.00%	OK
16	9.4	10.4	9.9	9.6	9.3	9.45	4.76%	OK
17	1.3	1.6	1.45	1.6	1.5	1.55	6.45%	OK
18	2.9	2.9	2.9	2.8	2.8	2.8	3.57%	OK
19	2.6	2.8	2.7	2.4	2.5	2.45	10.20%	OK
20	1.8	1.9	1.85	1.9	1.8	1.85	0.00%	OK
Passing Number	18	Passing Rate		90.0%	Requirement		≤±20%	
Conclusion	Pass							

Coefficient of Correlation ("r")
0.986437862

ΒΟΪΛΑ ΠΑΝΑΓΙΩΤΑ

ΒΟΪΛΑ Ε ΠΑΝΑΓΙΩΤΑ

ΙΑΤΡΟΣ ΒΙΟΠΑΘΟΛΟΓΟΣ MD,MS'c

25ης ΜΑΡΤΙΟΥ 2 ΑΜΑΛΙΑΔΑ

Τηλ: 26220 38475 - Α.Μ.Τ. 93691 29 | Page

ΑΦΜ 075200366 - Δ.Ο.Υ ΑΜΑΛΙΑΔΑΣ

Α.Μ.Κ.Α. 02127101729

Coefficient of Correlation ("r"): BASO%

x = Sysmex Reference Reagents for XS Series, 5 Part Hematology Analyzer.
y = VDX Sysmex Reagents for XS Series, 5 Part Hematology Analyzer.

$$"r" = 0.881$$

Sample size: 20

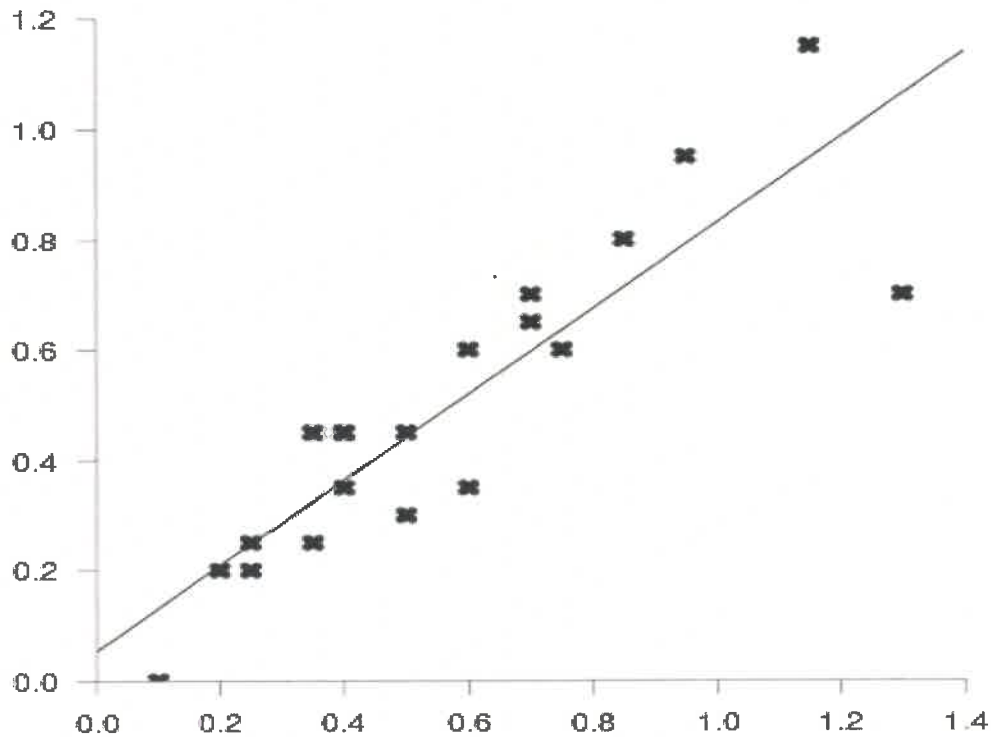
Mean x (x̄): 0.565

Mean y (ȳ): 0.4925

Intercept (a): 0.053817541111981

Slope (b): 0.77642913077525

Regression line equation: $y = 0.053817541111981 + 0.77642913077525x$



ΒΟΪΛΑ ΠΑΝΑΓΙΩΤΑ

ΒΟΪΛΑ Ε. ΠΑΝΑΓΙΩΤΑ

ΙΑΤΡΟΣ ΒΙΟΠΑΘΟΛΟΓΟΣ MD,MS'c
25ης ΜΑΡΤΙΟΥ 2 ΑΜΑΛΙΑΔΑ

Τηλ: 26220 38475 - Α.Μ.Τ. 93691

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Α.Μ.Κ.Α. 02127101729.

Commercial Confidential



Specifications for Approval/Rejection of the Results: BASO%

Experimental Scheme : 20 fresh blood samples were used for detection on two different instruments. Calculate the result deviation of the two instruments.
 2 times I measure each sample
Judgment Standard : The deviation requirements are in the table below. A sample pass rate of 80% is considered to meet the requirements

SAMPLE	All Reagents from Vanguard Diagnostics			All Reagents from Sysmex as Reference			DEVIATION	JUDGE
	0.3	X2	MEAN	Y1	Y2	MEAN		
1	0.2	0.3	0.25	0.3	0.4	0.35	28.57%	OK
2	0.5	0.4	0.45	0.4	0.3	0.35	28.57%	OK
3	0.7	0.6	0.65	0.7	0.7	0.7	7.14%	OK
4	0.3	0.1	0.2	0.3	0.1	0.2	0.00%	OK
5	0.4	0.3	0.35	0.4	0.4	0.4	12.50%	OK
6	0.7	0.9	0.8	0.9	0.8	0.85	5.88%	OK
7	0.4	0.3	0.35	0.6	0.6	0.6	41.67%	NO
8	0.3	0.2	0.25	0.1	0.4	0.25	0.00%	OK
9	0.5	0.4	0.45	0.5	0.5	0.5	10.00%	OK
10	0	0	0	0	0.2	0.1	100.00%	NO
11	0.6	0.6	0.6	0.8	0.7	0.75	20.00%	OK
12	0.6	0.8	0.7	1.3	1.3	1.3	46.15%	NO
13	0.7	0.7	0.7	0.7	0.7	0.7	0.00%	OK
14	0.3	0.3	0.3	0.5	0.5	0.5	40.00%	OK
15	0.3	0.6	0.45	0.5	0.3	0.4	12.50%	OK
16	1	1.3	1.15	1.2	1.1	1.15	0.00%	OK
17	0.6	0.6	0.6	0.6	0.6	0.6	0.00%	OK
18	0.9	1	0.95	1	0.9	0.95	0.00%	OK
19	0.5	0.4	0.45	0.4	0.4	0.4	12.50%	OK
20	0.2	0.2	0.2	0.2	0.3	0.25	20.00%	OK
Passing Number	17		Passing Rate	85.0%		Requirement	<±40%	
Conclusion	Pass							

Coefficient of Correlation ("r")
0.881411481

ΒΟΙΛΑ ΠΑΝΑΓΙΩΤΑ

ΒΟΙΛΑ Ε. ΠΑΝΑΓΙΩΤΑ

ΙΑΤΡΟΣ ΒΙΟΠΑΘΟΛΟΓΟΣ MD, MS'c

25ης ΜΑΡΤΙΟΥ 2 ΑΜΑΛΙΑΔΑ

Τηλ: 26220 38475 - Α.Μ.Τ. 93691

ΑΔΚΑ: 076200366 - Δ.Ο.Υ ΑΜΑΛΙΑΔΑΣ

Α.Μ.Κ.Α. 02127101729

Coefficient of Correlation (“r”): NEUT#

x = Sysmex Reference Reagents for XS Series, 5 Part Hematology Analyzer.

y = VDX Sysmex Reagents for XS Series, 5 Part Hematology Analyzer.

“r” = 0.995

Sample size: 20

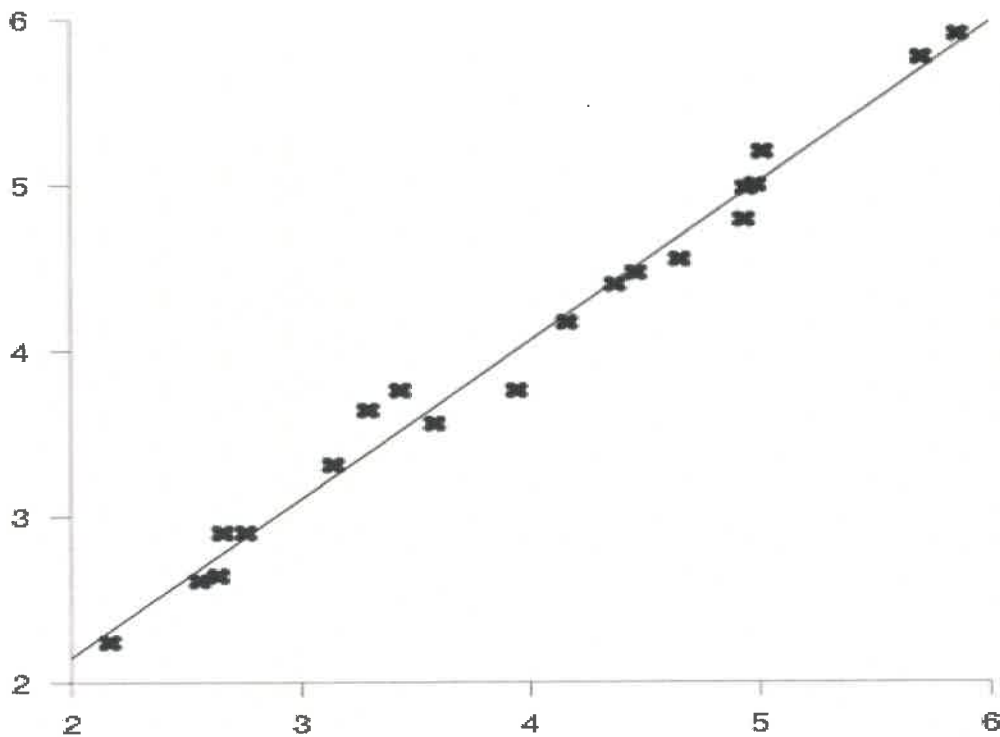
Mean x (x̄): 3.9615

Mean y (ȳ): 4.028

Intercept (a): 0.22436521461388

Slope (b): 0.96015014145806

Regression line equation: $y = 0.22436521461388 + 0.96015014145806x$



ΒΟΪΛΑ
ΠΑΝΑΓΙΩΤΑ
ΒΟΪΛΑ Ε. ΠΑΝΑΓΙΩΤΑ
ΙΑΤΡΟΣ ΒΙΟΠΑΘΟΛΟΓΟΣ ΜD, MS, C
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Α.Φ.Μ. 075300390 - Δ.Ο.Υ ΑΜΑΛΙΑΔΑΣ
Α.Μ.Κ.Α. 02127101729

Specifications for Approval/Rejection of the Results: NEUT#

SAMPLE	All Reagents from Vanguard Diagnostics			All Reagents from Sysmex as Reference			DEVIATION	JUDGE
	4.52	X2	MEAN	Y1	Y2	MEAN		
1	2.24	2.28	2.26	2.17	2.2	2.185	3.43%	OK
2	3.56	3.56	3.56	3.58	3.59	3.585	0.70%	OK
3	2.64	2.68	2.66	2.64	2.6	2.62	1.53%	OK
4	4.98	5.03	5.005	4.94	5.06	5	0.10%	OK
5	4.4	4.52	4.46	4.37	4.56	4.465	0.11%	OK
6	2.9	2.91	2.905	2.76	2.8	2.78	4.50%	OK
7	3.64	3.55	3.595	3.29	3.5	3.395	5.89%	OK
8	4.79	5.07	4.93	4.93	4.9	4.915	0.31%	OK
9	5	4.85	4.925	4.78	4.89	4.835	1.86%	OK
10	2.61	2.73	2.67	2.56	2.59	2.575	3.69%	OK
11	3.76	3.74	3.75	3.43	3.58	3.505	6.99%	OK
12	4.47	4.72	4.595	4.46	4.31	4.385	4.79%	OK
13	4.17	4.14	4.155	4.16	4.18	4.17	0.36%	OK
14	5.77	5.7	5.735	5.7	5.85	5.775	0.69%	OK
15	3.31	3.32	3.315	3.14	3.36	3.25	2.00%	OK
16	4.55	4.53	4.54	4.65	4.51	4.58	0.87%	OK
17	5.2	5.1	5.15	5.01	5.06	5.035	2.28%	OK
18	3.76	3.96	3.86	3.94	4.01	3.975	2.89%	OK
19	2.9	2.78	2.84	2.66	2.69	2.675	6.17%	OK
20	5.91	6.02	5.965	5.86	5.89	5.875	1.53%	OK
Passing Number	20		Passing Rate	100.0%	Requirement	<±8%		
Conclusion	Pass							

Experimental Scheme : 20 fresh blood samples were used for detection on two different instruments. Calculate the result deviation of the two instruments.
2 times I measure each sample
Judgment Standard : The deviation requirements are in the table below. A sample pass rate of 80% is considered to meet the requirements

Coefficient of Correlation ("r")
0.995821166

ΒΟΛΛΑ Ε. ΠΑΝΑΓΙΩΤΑ

Coefficient of Correlation ("r"): LYMPH#

x = Sysmex Reference Reagents for XS Series, 5 Part Hematology Analyzer.

y = VDX Sysmex Reagents for XS Series, 5 Part Hematology Analyzer.

"r" = 0.942

Sample size: 20

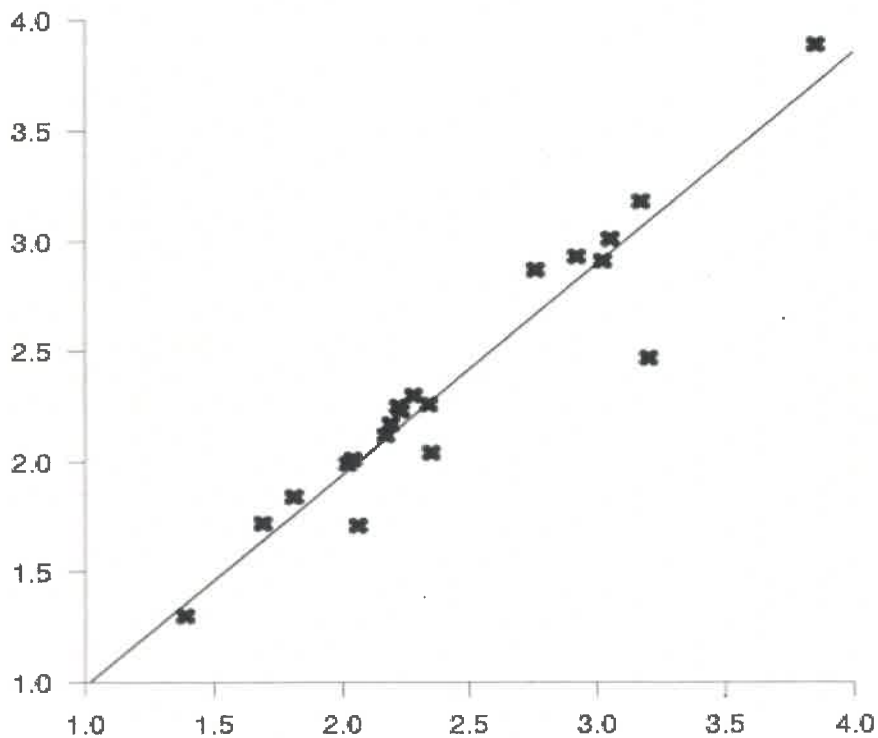
Mean x (x̄): 2.438

Mean y (ȳ): 2.36

Intercept (a): 0.022659545708135

Slope (b): 0.95871224540273

Regression line equation: $y=0.022659545708135+0.95871224540273x$



ΒΟΪΛΑ ΠΑΝΑΓΙΩΤΑ

ΒΟΪΛΑ Ε. ΠΑΝΑΓΙΩΤΑ
ΙΑΤΡΟΣ ΒΙΟΠΑΘΟΛΟΓΟΣ MD, MS'c
25ης ΜΑΡΤΙΟΥ 2 ΑΜΑΛΙΑΔΑ
ΤΗΛ: 26220 38475 - Α.Μ.Τ. 93691
ΑΦ.Μ. 079200366 - Δ.Ο.Υ ΑΜΑΛΙΑΔΑΣ
Α.Μ.Κ.Α. 02127101729

Specifications for Approval/Rejection of the Results: LYMPH#

LYMPH# (10 ³ /μl)	Experimental Scheme : 20 fresh blood samples were used for detection on two different instruments. Calculate the result deviation of the two instruments. 2 times I measure each sample						DEVIATION	JUDGE
	All Reagents from Vanguard Diagnostics			All Reagents from Sysmex as Reference				
SAMPLE	2.07	X2	MEAN	Y1	Y2	MEAN		
1	2.93	2.46	2.695	2.92	2.82	2.87	6.10%	OK
2	3.18	3.13	3.155	3.17	3.27	3.22	2.02%	OK
3	1.3	1.33	1.315	1.39	1.28	1.335	1.50%	OK
4	2.17	2.12	2.145	2.19	2.2	2.195	2.28%	OK
5	1.99	2.07	2.03	2.02	2.17	2.095	3.10%	OK
6	1.84	1.73	1.785	1.81	1.71	1.76	1.42%	OK
7	2.04	2.2	2.12	3.35	2.43	2.89	26.64%	NO
8	2.12	1.98	2.05	2.17	2.14	2.155	4.87%	OK
9	2.01	2.09	2.05	2.04	2.06	2.05	0.00%	OK
10	3.01	3.02	3.015	3.05	2.97	3.01	0.17%	OK
11	1.71	1.71	1.71	2.26	2.38	2.32	26.29%	NO
12	1.72	1.62	1.67	1.69	1.67	1.68	0.60%	OK
13	2.26	2.26	2.26	2.34	2.49	2.415	6.42%	OK
14	3.47	3.06	3.265	3.6	3.56	3.58	8.80%	NO
15	2.25	2.27	2.26	2.22	2.35	2.285	1.09%	OK
16	3.89	3.8	3.845	3.85	3.85	3.85	0.13%	OK
17	2.87	2.86	2.865	2.76	2.93	2.845	0.70%	OK
18	2.91	3.06	2.985	3.02	2.9	2.96	0.84%	OK
19	2.23	2.24	2.235	2.23	2.19	2.21	1.13%	OK
20	2.3	2.34	2.32	2.28	2.45	2.365	1.90%	OK
Passing Number	17		Passing Rate	85.0%		Requirement	<±8%	
Conclusion	Pass							

Coefficient of Correlation ("r")

0.94202324

ΒΟΙΛΑ ΠΑΝΑΓΙΩΤΑ

Coefficient of Correlation ("r"): EO#

x = Sysmex Reference Reagents for XS Series, 5 Part Hematology Analyzer.

y = VDX Sysmex Reagents for XS Series, 5 Part Hematology Analyzer.

"r" = 0.995

Sample size: 20

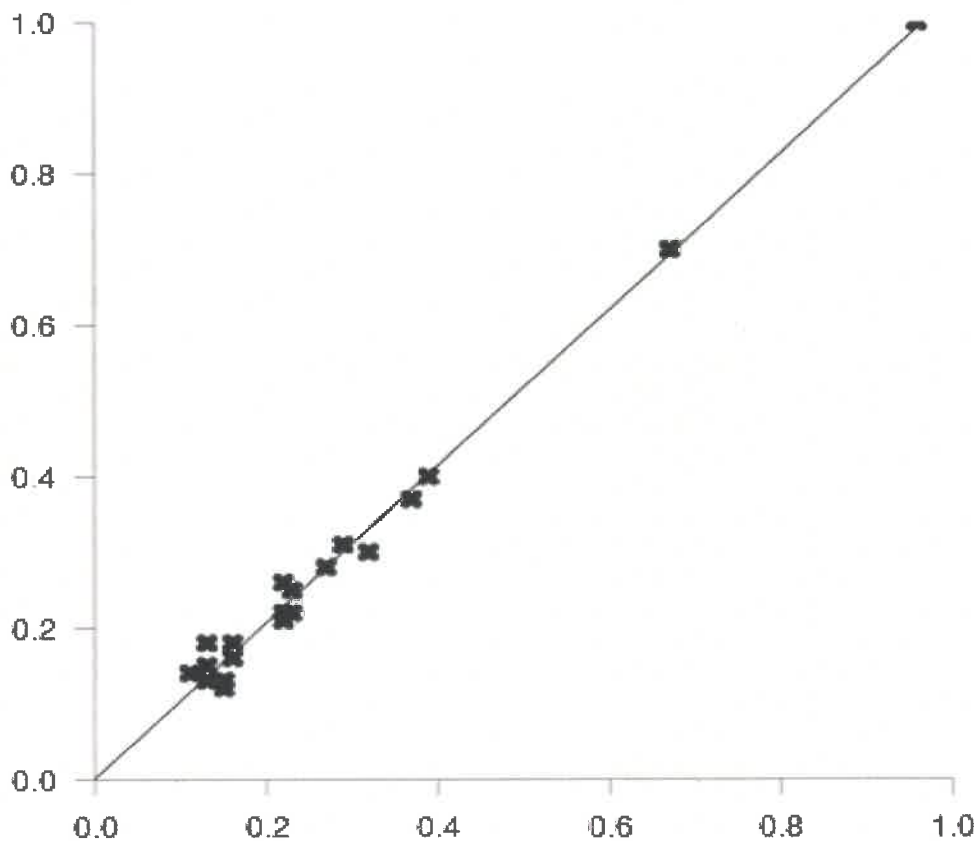
Mean x (x̄): 0.2755

Mean y (ȳ): 0.2855

Intercept (a): 0.0010306513173718

Slope (b): 1.0325566195377

Regression line equation: $y=0.0010306513173718+1.0325566195377x$



ΒΟΪΛΑ ΠΑΝΑΓΙΩΤΑ

ΒΟΪΛΑ Ε. ΠΑΝΑΓΙΩΤΑ
ΠΑΤΡΟΣ ΒΙΟΠΑΘΟΛΟΓΟΣ MD, MS^c
25ης ΜΑΡΤΙΟΥ 2 ΑΜΑΛΙΑΔΑ
ΤΗΛ: 26220 38475 - Α.Μ.Τ. 93691
Α.Φ.Μ. 075290366 - Δ.Ο.Υ ΑΜΑΛΙΑΔΑΣ
Α.Μ.Κ.Α. 02127101729

Specifications for Approval/Rejection of the Results: EO#

SAMPLE	All Reagents from Vanguard Diagnostics			All Reagents from Sysmex as Reference			DEVIATION	JUDGE
	X1	X2	MEAN	Y1	Y2	MEAN		
1	0.31	0.3	0.305	0.34	0.3	0.32	4.69%	OK
2	0.3	0.32	0.31	0.29	0.29	0.29	6.90%	OK
3	0.14	0.14	0.14	0.11	0.11	0.11	27.27%	NO
4	0.13	0.12	0.125	0.14	0.17	0.155	19.35%	OK
5	0.22	0.21	0.215	0.22	0.23	0.225	4.44%	OK
6	0.39	0.42	0.405	0.41	0.38	0.395	2.53%	OK
7	0.17	0.2	0.185	0.13	0.14	0.135	37.04%	NO
8	0.19	0.17	0.18	0.16	0.16	0.16	12.50%	OK
9	0.28	0.28	0.28	0.25	0.29	0.27	3.70%	OK
10	0.22	0.22	0.22	0.24	0.23	0.235	6.38%	OK
11	0.37	0.37	0.37	0.36	0.39	0.375	1.33%	OK
12	0.26	0.27	0.265	0.24	0.21	0.225	17.78%	OK
13	0.25	0.25	0.25	0.24	0.23	0.235	6.38%	OK
14	0.68	0.72	0.7	0.68	0.66	0.67	4.48%	OK
15	0.13	0.13	0.13	0.15	0.16	0.155	16.13%	OK
16	0.95	1.05	1	0.98	0.94	0.96	4.17%	OK
17	0.12	0.14	0.13	0.14	0.13	0.135	3.70%	OK
18	0.22	0.23	0.225	0.22	0.22	0.22	2.27%	OK
19	0.15	0.16	0.155	0.13	0.14	0.135	14.81%	OK
20	0.16	0.17	0.165	0.17	0.16	0.165	0.00%	OK
Passing Number	18		Passing Rate	90.0%	Requirement	<±20%		
Conclusion	Pass							

Experimental Scheme : 20 fresh blood samples were used for detection on two different instruments. Calculate the result deviation of the two instruments.

2 times I measure each sample

Judgment Standard : The deviation requirements are in the table below. A sample pass rate of 80% is considered to meet the requirements

Coefficient of Correlation ("r")
0.995412103

Coefficient of Correlation ("r"): BASO#

x = Sysmex Reference Reagents for XS Series, 5 Part Hematology Analyzer.

y = VDX Sysmex Reagents for XS Series, 5 Part Hematology Analyzer.

"r" = 0.910

Sample size: 20

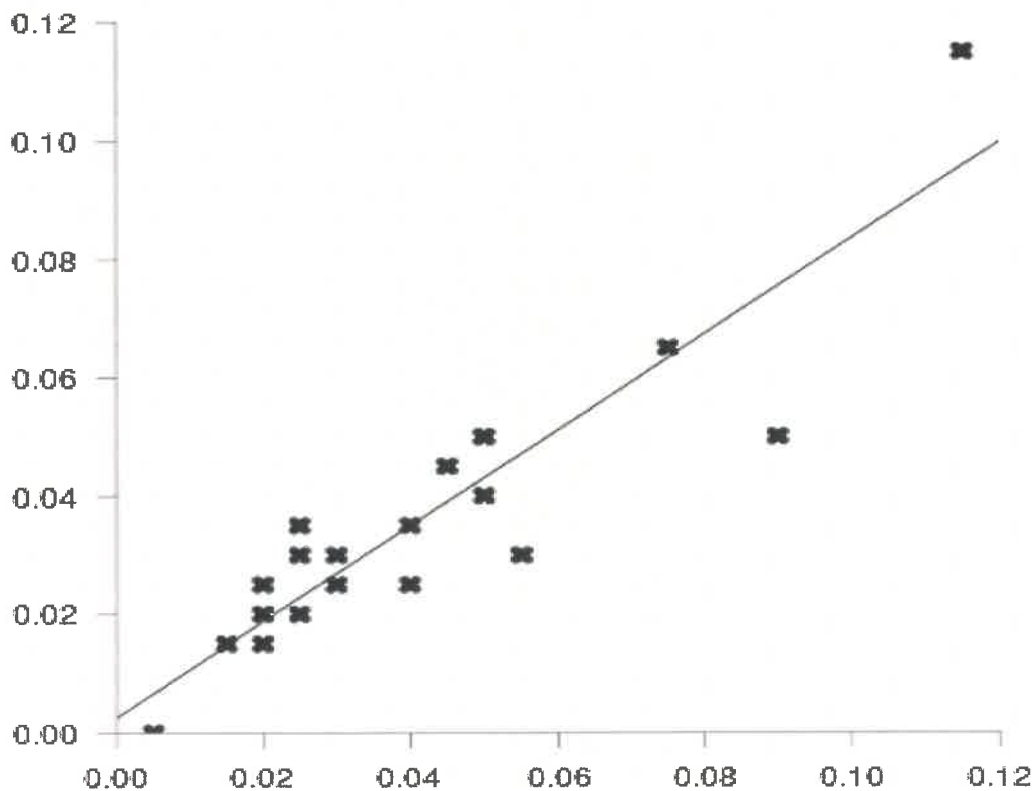
Mean x (x̄): 0.04125

Mean y (ȳ): 0.036

Intercept (a): 0.0025813321250567

Slope (b): 0.81014952424105

Regression line equation: $y=0.0025813321250567+0.81014952424105x$



ΒΟΪΛΑ ΠΑΝΑΓΙΩΤΑ

ΒΟΪΛΑ Ε. ΠΑΝΑΓΙΩΤΑ
ΙΑΤΡΟΣ ΒΙΟΠΑΘΟΛΟΓΟΣ MD,MS'c
25ης ΜΑΡΤΙΟΥ 2 ΑΜΑΛΙΑΔΑ
Τηλ.: 28220-38475 - Α.Μ.Τ. 93691
Α.Φ.Μ. 075200388 - Δ.Ο.Υ ΑΜΑΛΙΑΔΑΣ
Α.Μ.Κ.Α. 02127101729



Specifications for Approval/Rejection of the Results: BASO#

SAMPLE	All Reagents from Vanguard Diagnostics			All Reagents from Sysmex as Reference			DEVIATION	JUDGE
	X1	X2	MEAN	Y1	Y2	MEAN		
1	0.01	0.02	0.015	0.02	0.02	0.02	25.00%	OK
2	0.04	0.03	0.035	0.03	0.02	0.025	40.00%	OK
3	0.03	0.03	0.03	0.03	0.03	0.03	0.00%	OK
4	0.02	0.01	0.015	0.02	0.01	0.015	0.00%	OK
5	0.03	0.02	0.025	0.03	0.03	0.03	16.67%	OK
6	0.04	0.05	0.045	0.05	0.04	0.045	0.00%	OK
7	0.03	0.02	0.025	0.04	0.04	0.04	37.50%	OK
8	0.02	0.02	0.02	0.01	0.03	0.02	0.00%	OK
9	0.04	0.03	0.035	0.04	0.04	0.04	12.50%	OK
10	0	0	0	0	0.01	0.005	100.00%	NO
11	0.04	0.04	0.04	0.05	0.05	0.05	20.00%	OK
12	0.04	0.06	0.05	0.09	0.09	0.09	44.44%	NO
13	0.05	0.05	0.05	0.05	0.05	0.05	0.00%	OK
14	0.03	0.03	0.03	0.05	0.06	0.055	45.45%	NO
15	0.02	0.04	0.03	0.03	0.02	0.025	20.00%	OK
16	0.1	0.13	0.115	0.12	0.11	0.115	0.00%	OK
17	0.05	0.05	0.05	0.05	0.05	0.05	0.00%	OK
18	0.05	0.08	0.065	0.08	0.07	0.075	13.33%	OK
19	0.03	0.02	0.025	0.02	0.02	0.02	25.00%	OK
20	0.02	0.02	0.02	0.02	0.03	0.025	20.00%	OK
Passing Number		17	Passing Rate		85.0%	Requirement		<±40%
Conclusion		Pass						

Experimental Scheme : 20 fresh blood samples were used for detection on two different instruments. Calculate the result deviation of the two instruments.
 2 times I measure each sample
 Judgment Standard : The deviation requirements are in the table below. A sample pass rate of 80% is considered to meet the requirements

Coefficient of Correlation ("r")
0.910115007

Coefficient of Correlation ("r"): MPV

x = Sysmex Reference Reagents for XS Series, 5 Part Hematology Analyzer.

y = VDx Sysmex Reagents for XS Series, 5 Part Hematology Analyzer.

$$"r" = 0.982$$

Sample size: 20

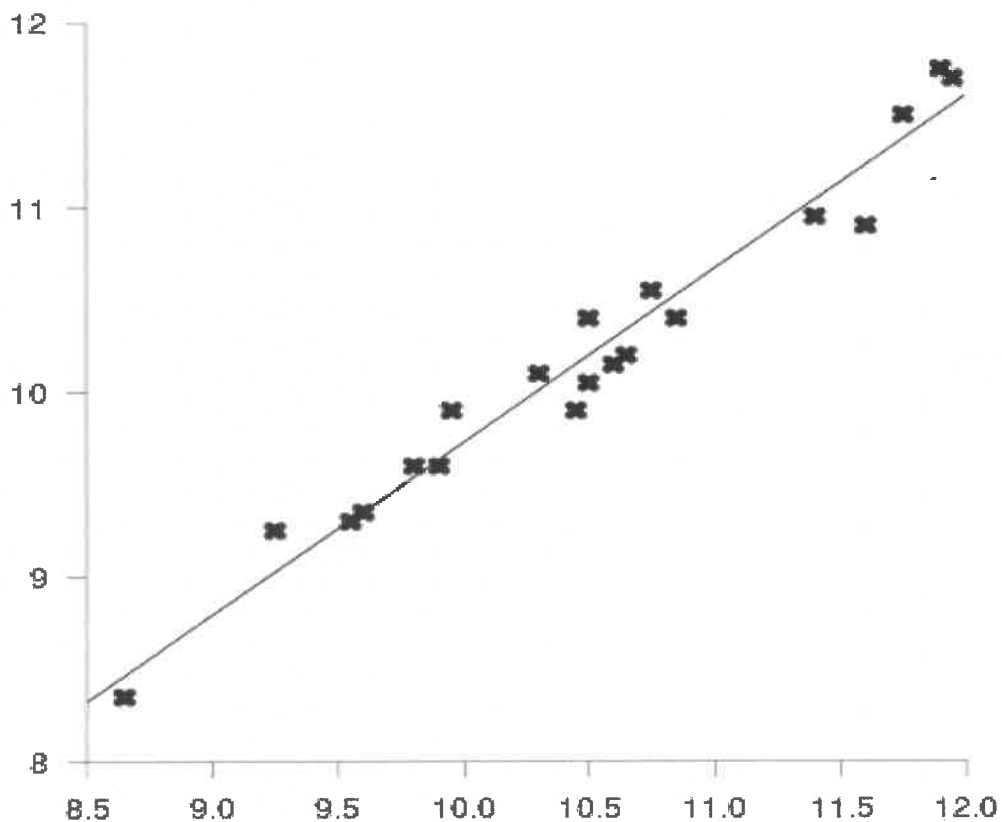
Mean x (x̄): 10.495

Mean y (ȳ): 10.195

Intercept (a): 0.35117030054963

Slope (b): 0.9379542352978

Regression line equation: $y=0.35117030054963+0.9379542352978x$



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Specifications for Approval/Rejection of the Results: MPV

SAMPLE	All Reagents from Vanguard Diagnostic			All Reagents from Sysmex as Reference			DEVIATION	JUDGE
	X1	X2	MEAN	Y1	Y2	MEAN		
1	10	9.8	9.9	10.5	10.4	10.45	5.26%	OK
2	10.4	10.4	10.4	10.5	10.5	10.5	0.95%	OK
3	11.6	11.8	11.7	11.9	12	11.95	2.09%	OK
4	10.9	10.9	10.9	11.6	11.6	11.6	6.03%	OK
5	12.1	11.4	11.75	11.8	12	11.9	1.26%	OK
6	9.4	9.3	9.35	9.6	9.6	9.6	2.60%	OK
7	11.3	11.7	11.5	11.5	12	11.75	2.13%	OK
8	9.8	10	9.9	10	9.9	9.95	0.50%	OK
9	11	10.9	10.95	11.3	11.5	11.4	3.95%	OK
10	10.3	10.5	10.4	10.8	10.9	10.85	4.15%	OK
11	10.5	10.6	10.55	10.9	10.6	10.75	1.86%	OK
12	9.5	9	9.25	9.1	9.4	9.25	0.00%	OK
13	9.7	9.5	9.6	9.9	9.9	9.9	3.03%	OK
14	10.1	10.2	10.15	10.7	10.5	10.6	4.25%	OK
15	9.2	9.2	9.2	9.8	9.8	9.8	6.12%	OK
16	8.4	8.3	8.35	8.6	8.7	8.65	3.47%	OK
17	9.5	9.1	9.3	9.5	9.6	9.55	2.62%	OK
18	10.2	9.9	10.05	10.6	10.4	10.5	4.29%	OK
19	10.2	10	10.1	10.4	10.2	10.3	1.94%	OK
20	10.2	10.2	10.2	10.6	10.7	10.65	4.23%	OK
Passing Number	20		Passing Rate	100.0%	Requirement	≤±7.5%		
Conclusion	Pass							

Experimental Scheme : 20 fresh blood samples were used for detection on two different instruments. Calculate the result deviation of the two instruments.

2 times I measure each sample

Judgment Standard : The deviation requirements are in the table below. A sample pass rate of 80% is considered to meet the requirements

Coefficient of Correlation ("r")
0.982090609

Coefficient of Correlation ("r"): PCT

x = Sysmex Reference Reagents for XS Series, 5 Part Hematology Analyzer.

y = VDX Sysmex Reagents for XS Series, 5 Part Hematology Analyzer.

$$"r" = 0.994$$

Sample size: 20

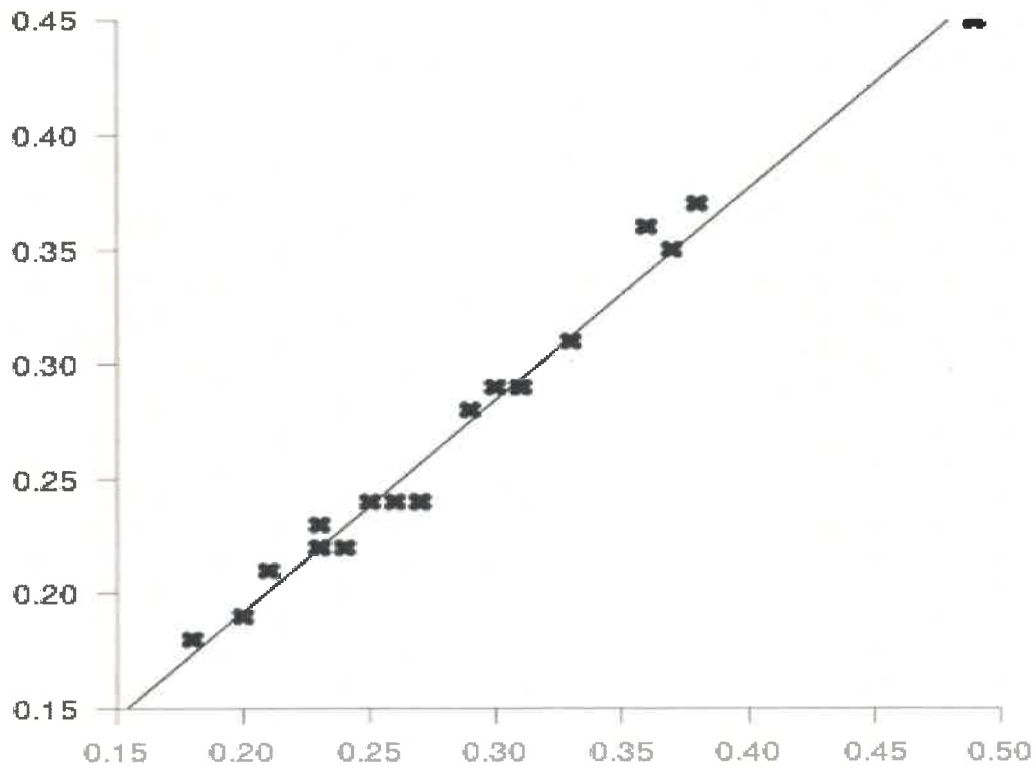
Mean x (x̄): 0.2855

Mean y (ȳ): 0.271

Intercept (a): 0.0078747791203037

Slope (b): 0.92162949520034

Regression line equation: $y = 0.0078747791203037 + 0.92162949520034x$



ΒΟΥΛΑ ΠΑΝΑΓΙΩΤΑ
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Specifications for Approval/Rejection of the Results: PCT

SAMPLE	All Reagents from Vanguard Diagnostics			All Reagents from Sysmex as Reference			DEVIATION	JUDGE
	0.22	X2	MEAN	Y1	Y2	MEAN		
1	0.23	0.25	0.24	0.28	0.27	0.275	12.73%	NO
2	0.24	0.25	0.245	0.27	0.27	0.27	9.26%	OK
3	0.18	0.18	0.18	0.19	0.18	0.185	2.70%	OK
4	0.29	0.29	0.29	0.32	0.3	0.31	6.45%	OK
5	0.24	0.22	0.23	0.23	0.24	0.235	2.13%	OK
6	0.37	0.37	0.37	0.39	0.38	0.385	3.90%	OK
7	0.21	0.22	0.215	0.22	0.24	0.23	6.52%	OK
8	0.18	0.2	0.19	0.2	0.21	0.205	7.32%	OK
9	0.31	0.32	0.315	0.32	0.34	0.33	4.55%	OK
10	0.28	0.3	0.29	0.3	0.31	0.305	4.92%	OK
11	0.22	0.23	0.225	0.24	0.23	0.235	4.26%	OK
12	0.37	0.35	0.36	0.35	0.37	0.36	0.00%	OK
13	0.24	0.24	0.24	0.25	0.26	0.255	5.88%	OK
14	0.35	0.36	0.355	0.38	0.37	0.375	5.33%	OK
15	0.27	0.28	0.275	0.3	0.29	0.295	6.78%	OK
16	0.44	0.46	0.45	0.49	0.49	0.49	8.16%	OK
17	0.24	0.24	0.24	0.26	0.27	0.265	9.43%	OK
18	0.29	0.29	0.29	0.32	0.31	0.315	7.94%	OK
19	0.21	0.21	0.21	0.21	0.21	0.21	0.00%	OK
20	0.22	0.22	0.22	0.22	0.24	0.23	4.35%	OK
Passing Number	19	Passing Rate	95.0%	Requirement	<±12,5%			
Conclusion	Pass							

Experimental Scheme : 20 fresh blood samples were used for detection on two different instruments. Calculate the result deviation of the two instruments.

2 times I measure each sample

Judgment Standard : The deviation requirements are in the table below. A sample pass rate of 80% is considered to meet the requirements

Coefficient of Correlation ("r")
0.994392027

Coefficient of Correlation ("r"): PDW

x = Sysmex Reference Reagents for XS Series, 5 Part Hematology Analyzer.

y = VDX Sysmex Reagents for XS Series, 5 Part Hematology Analyzer.

$$"r" = 0.926$$

Sample size: 20

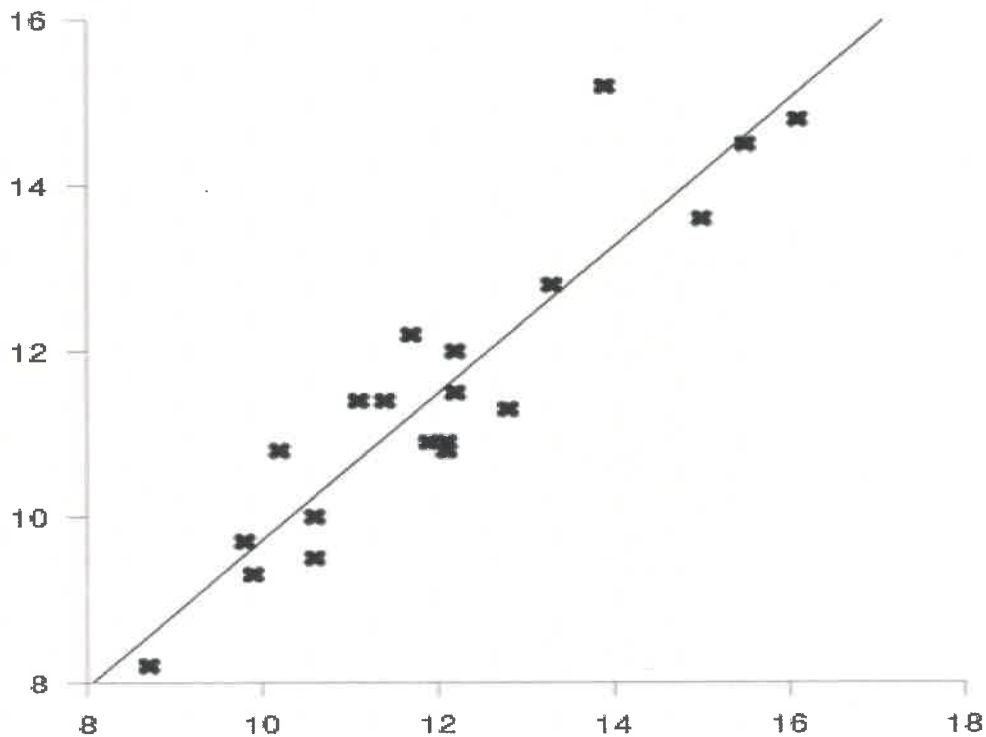
Mean x (x̄): 12.055

Mean y (ȳ): 11.54

Intercept (a): 0.84034596023972

Slope (b): 0.88756980835838

Regression line equation: $y = 0.84034596023972 + 0.88756980835838x$



ΒΟΪΛΑ ΠΑΝΑΓΙΩΤΑ

ΒΟΪΛΑ Ε. ΠΑΝΑΓΙΩΤΑ
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Specifications for Approval/Rejection of the Results: PDW

SAMPLE	All Reagents from Vanguard Diagnostics			All Reagents from Sysmex as Reference			DEVIATION	JUDGE
	X1	X2	MEAN	Y1	Y2	MEAN		
1	10.8	11.4	11.1	12.1	12.2	12.15	8.64%	OK
2	12.2	12.1	12.15	11.7	12.2	11.95	1.67%	OK
3	14.5	14	14.25	15.5	14.5	15	5.00%	OK
4	12.6	13.4	13	15	14.6	14.8	12.16%	NO
5	14.8	14.4	14.6	16.1	14.7	15.4	5.19%	OK
6	9.7	10	9.85	9.8	9.9	9.85	0.00%	OK
7	15.8	14.8	15.3	13.9	13.9	13.9	10.07%	OK
8	11.4	11.4	11.4	11.4	11.1	11.25	1.33%	OK
9	12.4	12.1	12.25	13.3	13.2	13.25	7.55%	OK
10	10.6	11.6	11.1	12.1	13	12.55	11.55%	OK
11	10.9	12.6	11.75	11.9	12.1	12	2.08%	OK
12	9.3	9.3	9.3	9.9	10.4	10.15	8.37%	OK
13	10.8	10.4	10.6	10.2	10.9	10.55	0.47%	OK
14	12	11.7	11.85	12.2	13.3	12.75	7.06%	OK
15	9.5	10	9.75	10.6	10.5	10.55	7.58%	OK
16	8.2	8.1	8.15	8.7	8.8	8.75	6.86%	OK
17	10	9.8	9.9	10.6	9.9	10.25	3.41%	OK
18	11.5	11.4	11.45	12.2	12.4	12.3	6.91%	OK
19	11.4	10.7	11.05	11.1	11.4	11.25	1.78%	OK
20	11.3	11.5	11.4	12.8	12.9	12.85	11.28%	OK
Passing Number	19	Passing Rate	95.0%	Requirement	<±12%			
Conclusion	Pass							

Experimental Scheme : 20 fresh blood samples were used for detection on two different instruments. Calculate the result deviation of the two instruments.

2 times I measure each sample

Judgment Standard : The deviation requirements are in the table below. A sample pass rate of 80% is considered to meet the requirements

Coefficient of Correlation ("r")
0.926184248

ΒΟΪΛΑ ΠΑΝΑΓΙΩΤΑ

ΒΟΪΛΑ Ε. ΠΑΝΑΓΙΩΤΑ

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Coefficient of Correlation (“r”): RDW-SD

x = Sysmex Reference Reagents for XS Series, 5 Part Hematology Analyzer.

y = VDX Sysmex Reagents for XS Series, 5 Part Hematology Analyzer.

$$“r” = 0.993$$

Sample size: 20

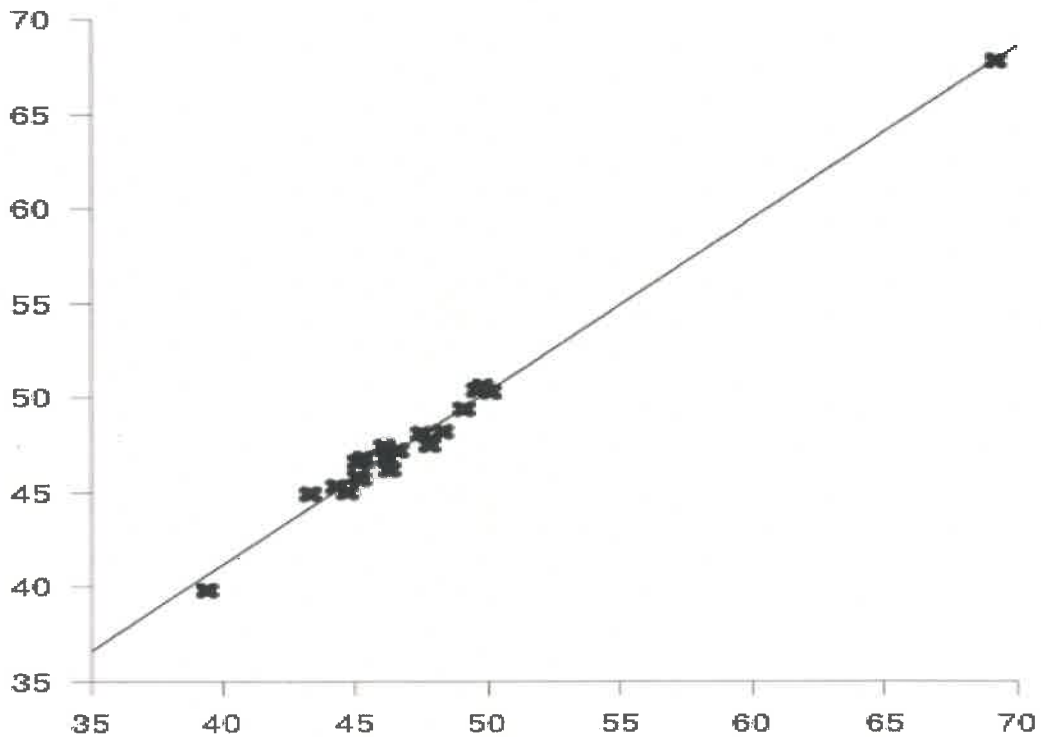
Mean x (x̄): 47.45

Mean y (ȳ): 47.99

Intercept (a): 4.541465769125

Slope (b): 0.91566984680453

Regression line equation: $y=4.541465769125+0.91566984680453x$



ΒΟΪΛΑ ΠΑΝΑΓΙΩΤΑ

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Specifications for Approval/Rejection of the Results: RDW-SD

SAMPLE	All Reagents from Vanguard Diagnostics			All Reagents from Sysmex as Reference			DEVIATION	JUDGE
	50.2	X2	MEAN	Y1	Y2	MEAN		
1	48.1	48.5	48.3	47.5	47.2	47.35	2.01%	OK
2	50.3	51.7	51	50.1	49.4	49.75	2.51%	OK
3	45.7	45.6	45.65	45.2	44.8	45	1.44%	OK
4	46.6	46.9	46.75	45.1	44.9	45	3.89%	OK
5	50.4	50.2	50.3	49.6	49.6	49.6	1.41%	OK
6	46.8	47.2	47	45.3	44.8	45.05	4.33%	OK
7	47.5	47.3	47.4	47.8	46.9	47.35	0.11%	OK
8	45.8	45.3	45.55	45.1	44.8	44.95	1.33%	OK
9	50.6	52	51.3	49.8	49.4	49.6	3.43%	OK
10	44.9	45.3	45.1	43.3	43.4	43.35	4.04%	OK
11	47.4	47.4	47.4	46.1	46.2	46.15	2.71%	OK
12	67.8	68.7	68.25	69.2	68.1	68.65	0.58%	OK
13	47.2	47.4	47.3	46.6	46.2	46.4	1.94%	OK
14	48.2	47.9	48.05	48.3	47.9	48.1	0.10%	OK
15	39.8	39.9	39.85	39.4	39.3	39.35	1.27%	OK
16	46.2	46.4	46.3	46.3	46.3	46.3	0.00%	OK
17	45	45.7	45.35	44.7	43.9	44.3	2.37%	OK
18	46.8	47.1	46.95	46.2	45.4	45.8	2.51%	OK
19	49.4	48.9	49.15	49.1	49.1	49.1	0.10%	OK
20	45.3	45	45.15	44.3	44.5	44.4	1.69%	OK
Passing Number	20	Passing Rate	100.0%	Requirement	<±7.5%			
Conclusion	Pass							

Experimental Scheme : 20 fresh blood samples were used for detection on two different instruments. Calculate the result deviation of the two instruments.

2 times I measure each sample

Judgment Standard : The deviation requirements are in the table below. A sample pass rate of 80% is considered to meet the requirements

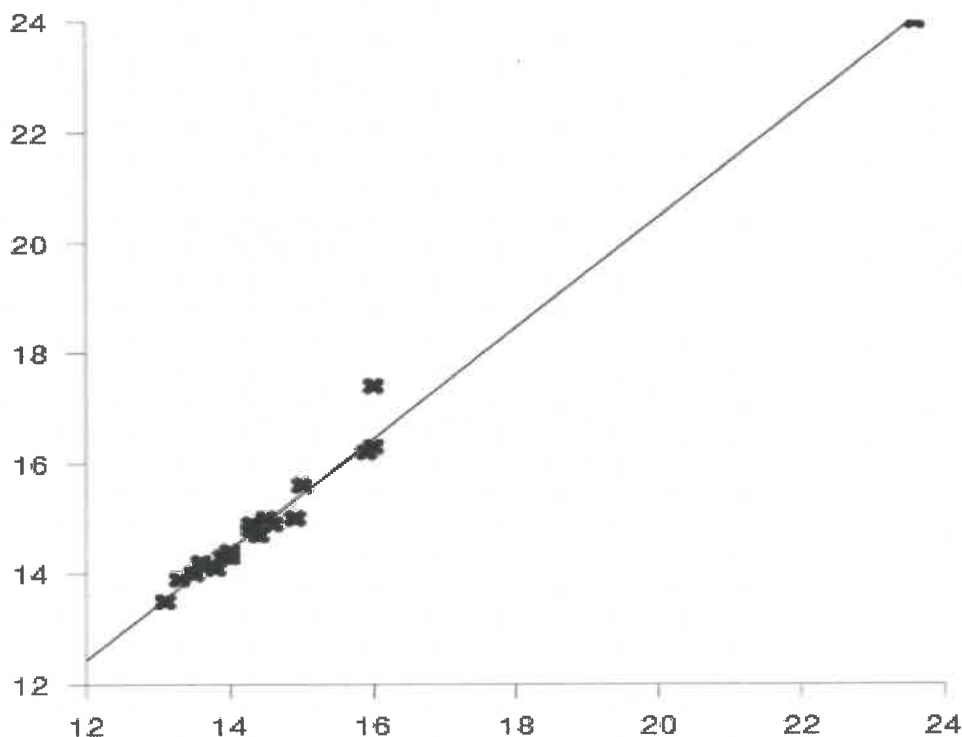
Coefficient of Correlation ("r")
0.99354882

Coefficient of Correlation ("r"): RDW-CV

x = Sysmex Reference Reagents for XS Series, 5 Part Hematology Analyzer.
y = VDX Sysmex Reagents for XS Series, 5 Part Hematology Analyzer.

$$"r" = 0.996$$

Sample size: 20
Mean x (\bar{x}): 14.88
Mean y (\bar{y}): 15.325
Intercept (a): 0.40240033329045
Slope (b): 1.0028628808273
Regression line equation: $y=0.40240033329045+1.0028628808273x$



ΒΟΪΛΑ ΠΑΝΑΓΙΩΤΑ

ΒΟΪΛΑ Ε. ΠΑΝΑΓΙΩΤΑ
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Specifications for Approval/Rejection of the Results: RDW-CV

SAMPLE	All Reagents from Vanguard Diagnostics			All Reagents from Sysmex as Reference			DEVIATION	JUDGE
	16.2	X2	MEAN	Y1	Y2	MEAN		
1	14.3	14.4	14.35	14	13.9	13.95	2.87%	OK
2	15	15.1	15.05	14.9	14.9	14.9	1.01%	OK
3	14	13.9	13.95	13.5	13.5	13.5	3.33%	OK
4	14.2	14.4	14.3	13.6	13.5	13.55	5.54%	OK
5	16.2	16.2	16.2	15.9	16	15.95	1.57%	OK
6	14.9	14.9	14.9	14.6	14.4	14.5	2.76%	OK
7	14.7	14.6	14.65	14.4	14.4	14.4	1.74%	OK
8	13.5	13.6	13.55	13.1	13.1	13.1	3.44%	OK
9	15.6	15.6	15.6	15	15	15	4.00%	OK
10	14.8	14.9	14.85	14.3	14.4	14.35	3.48%	OK
11	14.9	14.8	14.85	14.3	14.3	14.3	3.85%	OK
12	24	24.4	24.2	23.6	23.5	23.55	2.76%	OK
13	13.9	13.7	13.8	13.3	13.4	13.35	3.37%	OK
14	16.3	16.3	16.3	16	16.1	16.05	1.56%	OK
15	17.4	16.9	17.15	16	16.3	16.15	6.19%	OK
16	15	15.1	15.05	14.9	14.8	14.85	1.35%	OK
17	14.3	14.4	14.35	13.9	13.7	13.8	3.99%	OK
18	14.4	14.4	14.4	14	14	14	2.86%	OK
19	14.1	14.1	14.1	13.8	13.8	13.8	2.17%	OK
20	15	14.9	14.95	14.5	14.6	14.55	2.75%	OK
Passing Number	20	Passing Rate	100.0%	Requirement	≤7.5%			
Conclusion	Pass							

Experimental Scheme : 20 fresh blood samples were used for detection on two different instruments. Calculate the result deviation of the two instruments.

2 times I measure each sample

Judgment Standard : The deviation requirements are in the table below. A sample pass rate of 80% is considered to meet the requirements

Coefficient of Correlation ("r")
0.996139784

ΒΟΙΛΑ ΠΑΝΑΓΙΩΤΑ

ΒΟΙΛΑ Ε. ΠΑΝΑΓΙΩΤΑ
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Single Run Sample Comparison

Raw Data for "r"

ΒΟΪΛΑ ΠΑΝΑΓΙΩΤΑ



ΒΟΪΛΑ Ε. ΠΑΝΑΓΙΩΤΑ
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Τ.Κ.Α. 0277101779

Commercial Confidential



Sample-1		
Parameters	All Reagents from Vanguard Diagnostics	All Reagents from Sysmex as Reference
WBC (10 ³ /μl)	5.91	5.82
RBC (10 ⁶ /μl)	4.74	4.70
HGB (g/dl)	15.2	14.7
HCT (%)	45.8	45.7
MCV (fL)	96.6	97.2
MCH (pg)	32.1	31.3
MCHC (g/dl)	33.2	32.2
RDW-SD (fL)	48.1	47.5
RDW-CV(%)	14.3	14
PLT (10 ³ /μl)	233	264
MPV (fL)	10	10.5
PCT (%)	0.23	0.28
PDW (fL)	10.8	12.1
P-LCR (%)	24.5	28.8
NEUT# (10 ³ /μl)	2.24	2.17
LYMPH# (10 ³ /μl)	2.93	2.92
MONO# (10 ³ /μl)	0.42	0.37
EO# (10 ³ /μl)	0.31	0.34
BASO# (10 ³ /μl)	0.01	0.02
NEUT (%)	37.9	37.3
LYMPH (%)	49.6	50.2
MONO (%)	7.1	6.4
EO (%)	5.2	5.8
BASO (%)	0.2	0.3

ΒΟΪΛΑ ΠΑΝΑΓΙΩΤΑ

Sample-2		
Parameters	All Reagents from Vanguard Diagnostics	All Reagents from Sysmex as Reference
WBC (10 ³ /μl)	7.7	7.68
RBC (10 ⁶ /μl)	5.18	5.17
HGB (g/dl)	16.4	16.4
HCT (%)	49.9	49.8
MCV (fl)	96.3	96.3
MCH (pg)	31.7	31.7
MCHC (g/dl)	32.9	32.9
RDW-SD (fl)	50.3	50.1
RDW-CV(%)	15.0	14.9
PLT (10 ³ /μl)	231	260
MPV (fl)	10.4	10.5
PCT (%)	0.24	0.27
PDW (fl)	12.2	11.7
P-LCR (%)	27.7	29.1
NEUT# (10 ³ /μl)	3.56	3.58
LYMPH# (10 ³ /μl)	3.18	3.17
MONO# (10 ³ /μl)	0.62	0.61
EO# (10 ³ /μl)	0.30	0.29
BASO# (10 ³ /μl)	0.04	0.03
NEUT (%)	46.2	46.6
LYMPH (%)	41.3	41.3
MONO (%)	8.1	7.9
EO (%)	3.9	3.8
BASO (%)	0.5	0.4

ΒΟΪΛΑ ΠΑΝΑΓΙΩΤΑ

ΒΟΪΛΑ Ε. ΠΑΝΑΓΙΩΤΑ
 ΙΑΤΡΟΣ ΒΙΟΠΑΘΟΛΟΓΟΣ MD MS C
 25ης ΜΑΡΤΙΟΥ 2 ΑΝΑΛΥΤΙΚΑ ΔΙΑΓΝΩΣΤΙΚΑ
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Sample-3		
Parameters	All Reagents from Vanguard Diagnostics	All Reagents from Sysmex as Reference
WBC (10 ³ /μl)	4.53	4.55
RBC (10 ⁶ /μl)	4.67	4.64
HGB (g/dl)	14.9	14.5
HCT (%)	43.0	43.2
MCV (fL)	92.1	93.1
MCH (pg)	31.9	31.3
MCHC (g/dl)	34.7	33.6
RDW-SD (fL)	45.7	45.2
RDW-CV(%)	14.0	13.5
PLT (10 ³ /μl)	154	158
MPV (fL)	11.6	11.9
PCT (%)	0.18	0.19
PDW (fL)	14.5	15.5
P-LCR (%)	36.8	39.6
NEUT# (10 ³ /μl)	2.64	2.64
LYMPH# (10 ³ /μl)	1.30	1.39
MONO# (10 ³ /μl)	0.4	0.38
EO# (10 ³ /μl)	0.14	0.11
BASO# (10 ³ /μl)	0.03	0.03
NEUT (%)	58.2	58.0
LYMPH (%)	28.7	30.5
MONO (%)	9.3	8.4
EO (%)	3.1	2.4
BASO (%)	0.7	0.7

ΒΟΙΛΑ ΠΑΝΑΓΙΩΤΑ



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ΒΟΙΛΑ Ε. ΠΑΝΑΓΙΩΤΑ
 ΙΑΤΡΟΣ ΒΙΟΠΑΘΟΛΟΓΟΣ MD,MS^c53|Page
 25ης ΜΑΡΤΙΟΥ 2 ΑΜΑΛΙΑΔΑ
 ΤΗΛ: 26220 38475 - Α.Μ.Τ. 93691
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 Α.Μ.Κ.Α. 02127101729

Sample-4		
Parameters	All Reagents from Vanguard Diagnostics	All Reagents from Sysmex as Reference
WBC (10 ³ /μl)	7.67	7.77
RBC (10 ⁶ /μl)	4.47	4.43
HGB (g/dl)	13.4	13.3
HCT (%)	41.7	41.2
MCV (fl)	93.3	93.0
MCH (pg)	30.0	30.0
MCHC (g/dl)	32.1	32.3
RDW-SD (fl)	46.6	45.1
RDW-CV(%)	14.2	13.6
PLT (10 ³ /μl)	268	274
MPV (fl)	10.9	11.6
PCT (%)	0.29	0.32
PDW (fl)	12.6	15.0
P-LCR (%)	31.1	37.6
NEUT# (10 ³ /μl)	4.98	4.94
LYMPH# (10 ³ /μl)	2.17	2.19
MONO# (10 ³ /μl)	0.37	0.48
EO# (10 ³ /μl)	0.13	0.14
BASO# (10 ³ /μl)	0.02	0.02
NEUT (%)	64.9	63.5
LYMPH (%)	28.3	28.2
MONO (%)	4.8	6.2
EO (%)	1.7	1.8
BASO (%)	0.3	0.3

ΒΟΙΛΑ ΠΑΝΑΓΙΩΤΑ
 ΒΟΙΛΑ Ε. ΠΑΝΑΓΙΩΤΑ
 ΙΑΤΡΟΣ ΒΙΟΠΑΘΟΛΟΓΟΣ MD, MS, C
 25ης ΜΑΡΤΙΟΥ 2 ΑΜΑΛΙΑΔΑΣ VANGUARD DIAGNOSTICS
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Sample-5		
Parameters	All Reagents from Vanguard Diagnostics	All Reagents from Sysmex as Reference
WBC (10 ³ /μl)	7.34	7.31
RBC (10 ⁶ /μl)	4.85	4.84
HGB (g/dl)	13.1	13.1
HCT (%)	41.5	41.7
MCV (fL)	85.6	86.2
MCH (pg)	27.0	27.1
MCHC (g/dl)	31.6	31.4
RDW-SD (fL)	50.4	49.6
RDW-CV(%)	16.2	15.9
PLT (10 ³ /μl)	200	191
MPV (fL)	12.1	11.8
PCT (%)	0.24	0.23
PDW (fL)	14.8	16.1
P-LCR (%)	39.4	39.8
NEUT# (10 ³ /μl)	4.4	4.37
LYMPH# (10 ³ /μl)	1.99	2.02
MONO# (10 ³ /μl)	0.70	0.67
EO# (10 ³ /μl)	0.22	0.22
BASO# (10 ³ /μl)	0.03	0.03
NEUT (%)	60	59.8
LYMPH (%)	27.1	27.6
MONO (%)	9.5	9.2
EO (%)	3.0	3.0
BASO (%)	0.4	0.4

ΒΟΪΛΑ ΠΑΝΑΓΙΩΤΑ

Sample-6		
Parameters	All Reagents from Vanguard Diagnostics	All Reagents from Sysmex as Reference
WBC (10 ³ /μl)	5.51	5.41
RBC (10 ⁶ /μl)	4.61	4.47
HGB (g/dl)	12.8	12.7
HCT (%)	40.3	39.2
MCV (fL)	87.4	87.7
MCH (pg)	27.8	28.4
MCHC (g/dl)	31.8	32.4
RDW-SD (fL)	46.8	45.3
RDW-CV(%)	14.9	14.6
PLT (10 ³ /μl)	399	410
MPV (fL)	9.4	9.6
PCT (%)	0.37	0.39
PDW (fL)	9.7	9.8
P-LCR (%)	19.0	20.8
NEUT# (10 ³ /μl)	2.90	2.76
LYMPH# (10 ³ /μl)	1.84	1.81
MONO# (10 ³ /μl)	0.34	0.38
EO# (10 ³ /μl)	0.39	0.41
BASO# (10 ³ /μl)	0.04	0.05
NEUT (%)	52.6	51.0
LYMPH (%)	33.4	33.5
MONO (%)	6.2	7.0
EO (%)	7.1	7.6
BASO (%)	0.7	0.9

Sample-7		
Parameters	All Reagents from Vanguard Diagnostics	All Reagents from Sysmex as Reference
WBC (10 ³ /μl)	6.74	6.42
RBC (10 ⁶ /μl)	4.81	4.72
HGB (g/dl)	14.0	14.0
HCT (%)	44.2	44.8
MCV (fL)	91.9	94.9
MCH (pg)	29.1	29.7
MCHC (g/dl)	31.7	31.3
RDW-SD (fL)	47.5	47.8
RDW-CV(%)	14.7	14.4
PLT (10 ³ /μl)	187	189
MPV (fL)	11.3	11.5
PCT (%)	0.21	0.22
PDW (fL)	15.8	13.9
P-LCR (%)	37.8	38.2
NEUT# (10 ³ /μl)	3.64	3.29
LYMPH# (10 ³ /μl)	2.04	2.35
MONO# (10 ³ /μl)	0.86	0.61
EO# (10 ³ /μl)	0.17	0.13
BASO# (10 ³ /μl)	0.03	0.04
NEUT (%)	54.0	51.3
LYMPH (%)	30.3	36.6
MONO (%)	12.8	9.5
EO (%)	2.5	2.0
BASO (%)	0.4	0.6

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ΒΟΙΛΑ Ε. ΠΑΝΑΓΙΩΤΑ
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Sample-8		
Parameters	All Reagents from Vanguard Diagnostics	All Reagents from Sysmex as Reference
WBC (10 ³ /μl)	7.87	7.92
RBC (10 ⁶ /μl)	4.52	4.42
HGB (g/dl)	14.6	14.3
HCT (%)	43.9	43.2
MCV (fL)	97.1	97.7
MCH (pg)	32.3	32.4
MCHC (g/dl)	33.3	33.1
RDW-SD (fL)	45.8	45.1
RDW-CV(%)	13.5	13.1
PLT (10 ³ /μl)	188	200
MPV (fL)	9.8	10.0
PCT (%)	0.18	0.20
PDW (fL)	11.4	11.4
P-LCR (%)	23.6	24.9
NEUT# (10 ³ /μl)	4.79	4.93
LYMPH# (10 ³ /μl)	2.12	2.17
MONO# (10 ³ /μl)	0.75	0.65
EO# (10 ³ /μl)	0.9	0.16
BASO# (10 ³ /μl)	0.02	0.01
NEUT (%)	60.9	62.3
LYMPH (%)	26.9	27.4
MONO (%)	9.5	8.2
EO (%)	2.4	2.0
BASO (%)	0.3	0.1

ΒΟΪΛΑ ΠΑΝΑΓΙΩΤΑ

ΒΟΪΛΑ Ε. ΠΑΝΑΓΙΩΤΑ
ΙΑΤΡΟΣ ΒΙΟΪΑΤΡΟΛΟΓΟΣ ΜD, MS^c

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ΙΑΤΡΟΣ ΒΙΟΪΑΤΡΟΛΟΓΟΣ ΜD, MS^c
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Α.Μ.Κ.Α. 02127101729

Sample-9		
Parameters	All Reagents from Vanguard Diagnostics	All Reagents from Sysmex as Reference
WBC (10 ³ /μl)	8.26	7.97
RBC (10 ⁶ /μl)	3.68	3.62
HGB (g/dl)	11.9	11.8
HCT (%)	34.9	34.5
MCV (fL)	94.8	95.3
MCH (pg)	32.3	32.6
MCHC (g/dl)	34.1	34.2
RDW-SD (fL)	50.6	49.8
RDW-CV(%)	15.6	15.0
PLT (10 ³ /μl)	283	286
MPV (fL)	11.0	11.3
PCT (%)	0.31	0.32
PDW (fL)	12.4	13.3
P-LCR (%)	31.6	35.4
NEUT# (10 ³ /μl)	5.0	4.98
LYMPH# (10 ³ /μl)	2.01	2.04
MONO# (10 ³ /μl)	0.93	0.86
EO# (10 ³ /μl)	0.28	0.25
BASO# (10 ³ /μl)	0.04	0.04
NEUT (%)	60.5	60.0
LYMPH (%)	24.3	25.6
MONO (%)	11.3	10.8
EO (%)	3.4	3.1
BASO (%)	0.5	0.5

Sample-10		
Parameters	All Reagents from Vanguard Diagnostics	All Reagents from Sysmex as Reference
WBC (10 ³ /μl)	6.21	6.28
RBC (10 ⁶ /μl)	4.72	4.61
HGB (g/dl)	12.8	12.5
HCT (%)	39.5	38.9
MCV (fL)	83.7	84.4
MCH (pg)	27.1	27.1
MCHC (g/dl)	32.4	32.1
RDW-SD (fL)	44.9	43.3
RDW-CV(%)	14.8	14.3
PLT (10 ³ /μl)	276	278
MPV (fL)	10.3	10.8
PCT (%)	0.28	0.30
PDW (fL)	10.6	12.1
P-LCR (%)	25.6	30.4
NEUT# (10 ³ /μl)	2.61	2.56
LYMPH# (10 ³ /μl)	3.01	3.05
MONO# (10 ³ /μl)	0.37	0.43
EO# (10 ³ /μl)	0.22	0.24
BASO# (10 ³ /μl)	0.00	0.00
NEUT (%)	42.0	40.8
LYMPH (%)	48.5	48.6
MONO (%)	6.0	6.8
EO (%)	3.5	3.8
BASO (%)	0.00	0.00

ΒΟΪΛΑ ΠΑΝΑΓΙΩΤΑ



ΒΟΪΛΑ Ε. ΠΑΝΑΓΙΩΤΑ
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 Α.Μ.Κ.Α. 02127101729

Sample-11

Parameters	All Reagents from Vanguard Diagnostics	All Reagents from Sysmex as Reference
WBC (10 ³ /μl)	6.89	6.54
RBC (10 ⁶ /μl)	4.95	4.85
HGB (g/dl)	15.4	15.1
HCT (%)	45.6	45.2
MCV (fl)	92.1	93.2
MCH (pg)	31.1	31.1
MCHC (g/dl)	33.8	33.4
RDW-SD (fl)	47.4	46.1
RDW-CV(%)	14.9	14.3
PLT (10 ³ /μl)	211	223
MPV (fl)	10.5	10.9
PCT (%)	0.22	0.24
PDW (fl)	10.9	11.9
P-LCR (%)	28.1	30.6
NEUT# (10 ³ /μl)	3.76	3.43
LYMPH# (10 ³ /μl)	1.71	2.26
MONO# (10 ³ /μl)	1.01	0.44
EO# (10 ³ /μl)	0.37	0.36
BASO# (10 ³ /μl)	0.04	0.05
NEUT (%)	54.5	52.4
LYMPH (%)	24.8	34.6
MONO (%)	14.7	6.7
EO (%)	5.4	5.5
BASO (%)	0.6	0.8

Sample-12		
Parameters	All Reagents from Vanguard Diagnostics	All Reagents from Sysmex as Reference
WBC (10 ³ /μl)	6.98	6.88
RBC (10 ⁶ /μl)	4.14	4.10
HGB (g/dl)	11.1	10.7
HCT (%)	34.3	34.3
MCV (fL)	82.9	83.7
MCH (pg)	26.8	26.1
MCHC (g/dl)	32.4	31.2
RDW-SD (fL)	67.8	69.2
RDW-CV(%)	24.0	23.6
PLT (10 ³ /μl)	395	379
MPV (fL)	9.5	9.1
PCT (%)	0.37	0.35
PDW (fL)	9.3	9.9
P-LCR (%)	21.8	19.9
NEUT# (10 ³ /μl)	4.47	4.46
LYMPH# (10 ³ /μl)	1.72	1.69
MONO# (10 ³ /μl)	0.49	0.40
EO# (10 ³ /μl)	0.26	0.24
BASO# (10 ³ /μl)	0.04	0.09
NEUT (%)	64.1	64.8
LYMPH (%)	24.6	24.6
MONO (%)	7.0	5.8
EO (%)	3.7	3.5
BASO (%)	0.6	1.3

ΒΟΪΛΑ ΠΑΝΑΓΙΩΤΑ

ΒΟΪΛΑ Ε. ΠΑΝΑΓΙΩΤΑ

ΙΑΤΡΟΣ ΒΙΟΠΑΘΟΛΟΓΟΣ MD, MS, PhD VANGUARD DIAGNOSTICS

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25ης ΜΑ: ΠΥ 2 ΑΜΑΛΙΑΔΑ

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Α.Φ.Μ. 075206 Δ.Ο.Υ ΑΜΑΛΙΑΔΑΣ

Α.Μ.Κ.Α. 02127101729

Sample-13

Parameters	All Reagents from Vanguard Diagnostics	All Reagents from Sysmex as Reference
WBC (10 ³ /μl)	7.44	7.46
RBC (10 ⁶ /μl)	4.58	4.49
HGB (g/dl)	14.4	14.1
HCT (%)	44.6	44.2
MCV (fL)	97.4	98.4
MCH (pg)	31.4	31.4
MCHC (g/dl)	32.3	31.9
RDW-SD (fL)	47.2	46.6
RDW-CV(%)	13.9	13.3
PLT (10 ³ /μl)	250	253
MPV (fL)	9.7	9.9
PCT (%)	0.24	0.25
PDW (fL)	10.8	10.2
P-LCR (%)	22.5	23.0
NEUT# (10 ³ /μl)	4.17	4.16
LYMPH# (10 ³ /μl)	2.26	2.34
MONO# (10 ³ /μl)	0.71	0.67
EO# (10 ³ /μl)	0.25	0.24
BASO# (10 ³ /μl)	0.05	0.05
NEUT (%)	56.0	55.7
LYMPH (%)	30.4	31.4
MONO (%)	9.5	9.0
EO (%)	3.4	3.2
BASO (%)	0.7	0.7

ΒΟΪΛΑ ΠΑΝΑΓΙΩΤΑ

Sample-14		
Parameters	All Reagents from Vanguard Diagnostics	All Reagents from Sysmex as Reference
WBC (10 ³ /μl)	10.74	10.87
RBC (10 ⁶ /μl)	4.74	4.66
HGB (g/dl)	12.1	12.0
HCT (%)	39.2	38.9
MCV (fL)	82.7	83.5
MCH (pg)	25.5	25.8
MCHC (g/dl)	30.9	30.8
RDW-SD (fL)	48.2	48.3
RDW-CV(%)	16.3	16.0
PLT (10 ³ /μl)	349	354
MPV (fL)	10.0	10.7
PCT (%)	0.35	0.38
PDW (fL)	12.0	12.2
P-LCR (%)	26.6	29.8
NEUT# (10 ³ /μl)	5.77	5.70
LYMPH# (10 ³ /μl)	3.47	3.6
MONO# (10 ³ /μl)	0.79	0.84
EO# (10 ³ /μl)	0.68	0.68
BASO# (10 ³ /μl)	0.03	0.05
NEUT (%)	53.7	52.4
LYMPH (%)	32.3	33.1
MONO (%)	7.4	7.7
EO (%)	6.3	6.3
BASO (%)	0.3	0.5

ΒΟΥΛΑ ΠΑΝΑΓΙΩΤΑ

ΒΟΥΛΑ ΠΑΝΑΓΙΩΤΑ
 ΙΑΤΡΟΣ ΕΡΓΑΣΤΗΡΙΟΥ
 25ης ΜΑΡΤΙΟΥ
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 ΑΦ.Μ. 075 475 - Α.Μ.Τ. 93691
 5 - Δ.Ο.Υ ΑΜΑΛΙΑΔΑΣ
 02127101729

Sample-15		
Parameters	All Reagents from Vanguard Diagnostics	All Reagents from Sysmex as Reference
WBC (10 ³ /μl)	6.11	6.03
RBC (10 ⁶ /μl)	5.35	5.21
HGB (g/dl)	11.5	11.3
HCT (%)	36.8	36.0
MCV (fL)	68.8	69.1
MCH (pg)	21.5	21.7
MCHC (g/dl)	31.3	31.4
RDW-SD (fL)	39.8	39.4
RDW-CV(%)	17.4	16.0
PLT (10 ³ /μl)	297	310
MPV (fL)	9.2	9.8
PCT (%)	0.27	0.30
PDW (fL)	9.5	10.6
P-LCR (%)	18.5	22.9
NEUT# (10 ³ /μl)	3.31	3.14
LYMPH# (10 ³ /μl)	2.25	2.22
MONO# (10 ³ /μl)	0.40	0.49
EO# (10 ³ /μl)	0.13	0.15
BASO# (10 ³ /μl)	0.02	0.03
NEUT (%)	54.3	52.1
LYMPH (%)	36.8	36.8
MONO (%)	6.1	8.1
EO (%)	2.1	2.5
BASO (%)	0.3	0.5

ΒΟΪΛΑ ΠΑΝΑΓΙΩΤΑ



Sample-16		
Parameters	All Reagents from Vanguard Diagnostics	All Reagents from Sysmex as Reference
WBC (10 ³ /μl)	10.11	10.23
RBC (10 ⁶ /μl)	4.88	4.74
HGB (g/dl)	13.2	12.8
HCT (%)	41.7	41.1
MCV (fL)	85.5	86.7
MCH (pg)	27.0	27.0
MCHC (g/dl)	31.7	31.1
RDW-SD (fL)	46.2	46.3
RDW-CV(%)	15.0	14.9
PLT (10 ³ /μl)	525	572
MPV (fL)	8.4	8.6
PCT (%)	0.44	0.49
PDW (fL)	8.2	8.7
P-LCR (%)	12.2	14.0
NEUT# (10 ³ /μl)	4.55	4.65
LYMPH# (10 ³ /μl)	3.89	3.85
MONO# (10 ³ /μl)	0.62	0.66
EO# (10 ³ /μl)	0.95	0.98
BASO# (10 ³ /μl)	0.10	0.12
NEUT (%)	45.0	45.3
LYMPH (%)	38.5	37.5
MONO (%)	6.1	6.4
EO (%)	9.4	9.6
BASO (%)	1.0	1.2

ΒΟΥΛΑ ΠΑΝΑΓΙΩΤΑ

ΒΟΥΛΑ Ε. ΠΑΝΑΓΙΩΤΑ
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Sample-17

Parameters	All Reagents from Vanguard Diagnostics	All Reagents from Sysmex as Reference
WBC (10 ³ /μl)	8.89	8.58
RBC (10 ⁶ /μl)	5.06	5.02
HGB (g/dl)	15.4	15.2
HCT (%)	45.4	45.2
MCV (fL)	89.7	90.0
MCH (pg)	30.4	30.3
MCHC (g/dl)	33.9	33.6
RDW-SD (fL)	45.0	44.7
RDW-CV(%)	14.3	13.9
PLT (10 ³ /μl)	256	274
MPV (fL)	9.5	9.5
PCT (%)	0.24	0.26
PDW (fL)	10.0	10.6
P-LCR (%)	20.1	21.2
NEUT# (10 ³ /μl)	5.20	5.01
LYMPH# (10 ³ /μl)	2.87	2.76
MONO# (10 ³ /μl)	0.65	0.62
EO# (10 ³ /μl)	0.12	0.14
BASO# (10 ³ /μl)	0.05	0.05
NEUT (%)	58.5	58.4
LYMPH (%)	32.3	32.2
MONO (%)	7.3	7.2
EO (%)	1.3	1.6
BASO (%)	0.6	0.6



Sample-18		
Parameters	All Reagents from Vanguard Diagnostics	All Reagents from Sysmex as Reference
WBC (10 ³ /μl)	7.70	7.82
RBC (10 ⁶ /μl)	4.67	4.54
HGB (g/dl)	13.7	13.7
HCT (%)	42.6	41.8
MCV (fL)	91.2	92.1
MCH (pg)	29.3	30.2
MCHC (g/dl)	32.2	32.8
RDW-SD (fL)	46.8	46.2
RDW-CV(%)	14.4	14.0
PLT (10 ³ /μl)	290	298
MPV (fL)	10.2	10.6
PCT (%)	0.29	0.32
PDW (fL)	11.5	12.2
P-LCR (%)	25.5	29.2
NEUT# (10 ³ /μl)	3.76	3.94
LYMPH# (10 ³ /μl)	2.91	3.02
MONO# (10 ³ /μl)	0.74	0.56
EO# (10 ³ /μl)	0.22	0.22
BASO# (10 ³ /μl)	0.07	0.08
NEUT (%)	48.8	50.4
LYMPH (%)	37.8	38.6
MONO (%)	9.6	7.2
EO (%)	2.9	2.8
BASO (%)	0.9	1.0

ΒΟΥΛΑ ΠΑΝΑΓΙΩΤΑ

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Sample-19

Parameters	All Reagents from Vanguard Diagnostics	All Reagents from Sysmex as Reference
WBC (10 ³ /μl)	5.71	5.48
RBC (10 ⁶ /μl)	4.14	4.06
HGB (g/dl)	13.5	13.3
HCT (%)	41.0	40.7
MCV (fL)	99.0	100.2
MCH (pg)	32.6	32.8
MCHC (g/dl)	32.9	32.7
RDW-SD (fL)	49.4	49.1
RDW-CV(%)	14.1	13.8
PLT (10 ³ /μl)	210	203
MPV (fL)	10.2	10.4
PCT (%)	0.21	0.21
PDW (fL)	11.4	11.1
P-LCR (%)	25.9	27.1
NEUT# (10 ³ /μl)	2.90	2.66
LYMPH# (10 ³ /μl)	2.23	2.23
MONO# (10 ³ /μl)	0.40	0.44
EO# (10 ³ /μl)	0.15	0.13
BASO# (10 ³ /μl)	0.03	0.02
NEUT (%)	50.8	48.5
LYMPH (%)	39.1	40.7
MONO (%)	7.0	8.0
EO (%)	2.6	2.4
BASO (%)	0.5	0.4

Sample-20		
Parameters	All Reagents from Vanguard Diagnostics	All Reagents from Sysmex as Reference
WBC (10 ³ /μl)	8.84	8.87
RBC (10 ⁶ /μl)	4.93	4.83
HGB (g/dl)	13.5	13.2
HCT (%)	41.9	41.3
MCV (fL)	85.0	85.5
MCH (pg)	27.4	27.3
MCHC (g/dl)	32.2	32.0
RDW-SD (fL)	45.3	44.3
RDW-CV(%)	15.0	14.5
PLT (10 ³ /μl)	217	212
MPV (fL)	10.2	10.6
PCT (%)	0.22	0.22
PDW (fL)	11.3	12.8
P-LCR (%)	25.6	30.1
NEUT# (10 ³ /μl)	5.91	5.86
LYMPH# (10 ³ /μl)	2.30	2.28
MONO# (10 ³ /μl)	0.45	0.54
EO# (10 ³ /μl)	0.16	0.17
BASO# (10 ³ /μl)	0.02	0.02
NEUT (%)	66.9	66.1
LYMPH (%)	26.0	25.7
MONO (%)	5.1	6.1
EO (%)	1.8	1.9
BASO (%)	0.2	0.2

ΒΟΪΛΑ ΠΑΝΑΓΙΩΤΑ

ΒΟΪΛΑ Ε. ΠΑΝΑΓΙΩΤΑ

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Performance with Hematology 3rd Party Controls

Product: e-CHECK (SYSMEX)

Low, Normal & High Controls

e-CHECK-L (SYSMEX)
LOW CONTROL , Lot No. 51460804, Expiry: 17/8/2025

Parameters	All Reagents from Vanguard Diagnostics	All Reagents from Sysmex as Reference	Range
WBC (10 ³ /μl)	3.13	3.09	2.70 – 3.30
RBC (10 ⁶ /μl)	2.58	2.61	2.45 – 2.71
HGB (g/dl)	6.1	6.4	6 – 6.6
HCT (%)	18.9	20	18.2 – 20.6
MCV (fL)	73.3	76.6	71.5 – 79.1
MCH (pg)	23.6	24.5	23.2 – 25.6
MCHC (g/dl)	32.3	32.0	30.5 – 34.5
RDW-SD (fL)	42.7	45.1	37 - 50
RDW-CV(%)	16.3	16.5	13.8 – 18.6
PLT (10 ³ /μl)	57.0	57.0	36 – 84
MPV (fL)	8.9	9.0	7.4 – 10
PCT (%)	0.05	0.05	0.02 – 0.08
PDW (fL)	7.8	7.8	4.9 – 11.3
P-LCR (%)	11.8	12.1	1.6 – 20.4
NEUT# (10 ³ /μl)	1.27	1.21	0.82 – 1.57
LYMPH# (10 ³ /μl)	1.15	1.18	0.67 – 1.57
MONO# (10 ³ /μl)	0.26	0.28	0.03 – 0.49
EO# (10 ³ /μl)	0.28	0.25	0.14 – 0.42
BASO# (10 ³ /μl)	0.17	0.17	0.04 – 0.30
NEUT (%)	40.7	39.1	27.3 – 50.7
LYMPH (%)	36.7	38.2	22.4 – 52.2
MONO (%)	8.3	9.1	0.9 – 16.5
EO (%)	8.9	8.1	4.6 – 14
BASO (%)	5.4	5.5	1.3 – 10.1

e-CHECK-N (SYSMEX)
Normal Control, Lot No. 54160805 , Expiry: 17/8/2025

Parameters	All Reagents from Vanguard Diagnostics	All Reagents from Sysmex as Reference	Range
WBC (10 ³ /μl)	7.71	7.44	6.89 – 7.7
RBC (10 ⁶ /μl)	4.41	4.38	4.15 – 4.59
HGB (g/dl)	12.2	12.3	11.8 – 12.6
HCT (%)	35.2	36.8	34 – 37.6
MCV (fL)	79.8	84.0	77.9 – 81.6
MCH (pg)	27.7	28.1	26.5 – 29.3
MCHC (g/dl)	34.7	33.4	32.1 – 36.1
RDW-SD (fL)	42.2	45.6	37.3 – 50.5
RDW-CV(%)	15.3	15.3	12.9 – 17.5
PLT (10 ³ /μl)	206	212	184 – 250
MPV (fL)	8.8	9.0	7.7 – 10.5
PCT (%)	0.18	0.19	0.14 – 0.26
PDW (fL)	7.7	8.5	5.8 – 10.8
P-LCR (%)	10.8	11.7	5.8 – 17.6
NEUT# (10 ³ /μl)	3.27	3.20	2.16 - 4
LYMPH# (10 ³ /μl)	2.48	2.49	1.68 – 3.12
MONO# (10 ³ /μl)	0.72	0.64	0.06 – 1.24
EO# (10 ³ /μl)	0.70	0.67	0.37 – 1.11
BASO# (10 ³ /μl)	0.54	0.44	0.10 – 0.82
NEUT (%)	42.4	43.0	29.4 – 54.6
LYMPH (%)	32.2	33.5	22.9 – 42.5
MONO (%)	9.3	8.6	0.9 – 16.9
EO (%)	9.1	9.0	5 – 15.2
BASO (%)	7.0	5.9	1.4 – 11.2

ΒΟΪΛΑ ΠΑΝΑΓΙΩΤΑ

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e-CHECK-H (SYSMEX)			
High Control, Lot No. 51460806, Expiry: 17/8/2025			
Parameters	All Reagents from Vanguard Diagnostics	All Reagents from Sysmex as Reference	Range
WBC (10 ³ /μl)	17.23	17.63	16.10 – 18.16
RBC (10 ⁶ /μl)	5.28	5.29	4.99 - 5.51
HGB (g/dl)	16.8	16.3	15.8 - 16.8
HCT (%)	46.3	48.7	44.6 – 49.4
MCV (fL)	87.7	92.1	85.1 - 94.1
MCH (pg)	31.4	30.8	29.4 - 32.6
MCHC (g/dl)	35.9	33.5	32.6 – 36.8
RDW-SD (fL)	45.8	48.0	38.8 – 52.6
RDW-CV(%)	15.3	15.1	12.5 – 16.9
PLT (10 ³ /μl)	526	530	451 – 585
MPV (fL)	9	9	7.8 – 10.6
PCT (%)	0.47	0.48	0.36 – 0.60
PDW (fL)	8.3	8.0	7 – 10.4
P-LCR (%)	11.4	10.7	6.2 – 18.8
NEUT# (10 ³ /μl)	7.76	8.18	5.35 – 9.95
LYMPH# (10 ³ /μl)	4.74	4.84	3.28 – 6.08
MONO# (10 ³ /μl)	1.57	1.57	0.17 – 3.23
EO# (10 ³ /μl)	2.09	1.92	0.95 – 2.85
BASO# (10 ³ /μl)	1.07	1.12	0.26 – 2.14
NEUT (%)	45.1	46.3	31.3 – 58.1
LYMPH (%)	27.5	27.5	19.1 – 35.5
MONO (%)	9.1	8.9	1 – 18.8
EO (%)	12.1	10.9	5.5 – 16.7
BASO (%)	6.2	6.4	1.5 - 12.5

ΒΟΪΛΑ ΠΑΝΑΓΙΩΤΑ



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ΒΟΪΛΑ Ε. ΠΑΝΑΓΙΩΤΑ
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Coefficient of Variation: Precision (VDx Reagents)

1. Fresh blood sample was collected and tested with the VDx Sysmex Reagents for 5 Part Hematology Analyzer.
2. The sample was tested in 10 replicates to study the Precision.

Fresh Blood Sample, n = 10

Parameters	1	2	3	4	5	6	7	8	9	10	Mean	SD	CV	CV%
WBC (10 ³ /μl)	6.72	6.6	6.34	6.58	6.53	6.58	6.63	6.52	6.52	6.41	6.54	0.11	0.02	1.65
RBC (10 ⁶ /μl)	5.35	5.37	5.33	5.38	5.3	5.3	5.34	5.31	5.3	5.22	5.32	0.05	0.01	0.86
HGB (g/dl)	16.8	17	16.7	17	17	16.7	16.7	16.9	16.9	16.7	16.84	0.13	0.01	0.80
HCT (%)	48.4	48.7	48.3	48.7	48	48	48.3	48.1	48.2	47.4	48.21	0.38	0.01	0.78
MCV (fl)	90.5	90.7	90.6	90.5	90.6	90.6	90.4	90.6	90.9	90.8	90.62	0.15	0.00	0.16
MCH (pg)	31.4	31.7	31.3	31.6	32.1	31.5	31.3	31.8	31.9	32	31.66	0.29	0.01	0.91
MCHC (g/dl)	34.7	34.9	34.6	34.9	35.4	34.8	34.6	35.1	35.1	35.2	34.93	0.27	0.01	0.76
RDW-SD (fl)	40.6	40.7	41.2	41	40.6	40.6	41	40.7	40.3	40.1	40.68	0.33	0.01	0.81
RDW-CV (%)	12.5	12.5	12.6	12.5	12.4	12.5	12.7	12.5	12.4	12.4	12.50	0.09	0.01	0.75
PLT (10 ³ /μl)	243	244	252	260	251	255	250	242	248	248	249.30	5.60	0.02	2.25
MPV (fl)	10.1	10	10.1	10.1	10.1	10.2	10	10	10	10.1	10.07	0.07	0.01	0.67
PCT (%)	0.24	0.24	0.25	0.26	0.26	0.26	0.25	0.24	0.25	0.25	0.25	0.01	0.03	3.27
PDW (fl)	11.4	11.5	11.3	11.2	12.1	11.4	11.1	11.5	11.2	11.3	11.40	0.28	0.02	2.45
P-LCR (%)	26.2	25.3	25.8	25.2	25.7	25.8	24.3	25	24.3	25.7	25.33	0.64	0.03	2.54
NEUT# (10 ³ /μl)	3.77	3.73	3.51	3.64	3.66	3.7	3.77	3.67	3.59	3.65	3.67	0.08	0.02	2.19
LYMPH# (10 ³ /μl)	2.51	2.46	2.39	2.49	2.43	2.45	2.46	2.41	2.5	2.34	2.44	0.05	0.02	2.17
MONO# (10 ³ /μl)	0.35	0.35	0.35	0.36	0.35	0.33	0.32	0.35	0.33	0.33	0.34	0.01	0.04	3.85
EO# (10 ³ /μl)	0.07	0.04	0.06	0.06	0.06	0.08	0.05	0.06	0.07	0.07	0.06	0.01	0.18	18.31
BASO# (10 ³ /μl)	0.02	0.02	0.03	0.03	0.03	0.02	0.03	0.03	0.03	0.02	0.03	0.01	0.21	20.62
NEUT (%)	56.1	56.5	55.4	55.3	56	56.3	56.8	56.2	55	57	56.06	0.65	0.01	1.17
LYMPH (%)	37.4	37.3	37.7	37.8	37.2	37.2	37.1	37	38.3	36.5	37.35	0.49	0.01	1.32
MONO (%)	5.2	5.3	5.5	5.5	5.4	5	4.8	5.4	5.1	5.1	5.23	0.23	0.04	4.42
EO (%)	1	0.6	0.9	0.9	0.9	1.2	0.8	0.9	1.1	1.1	0.94	0.17	0.18	18.22
BASO (%)	0.3	0.3	0.5	0.5	0.5	0.3	0.5	0.5	0.5	0.3	0.42	0.10	0.25	24.59

ΒΟΙΛΑ ΠΑΝΑΓΙΩΤΑ



Coefficient of Variation: Precision (VDx Reagents)

1. Fresh blood sample was collected and tested with the VDx Reagents on XS-1000 , 5 Part Hematology Analyzer.
2. The sample was tested in 11 replicates ,and then calculate the CV of 2nd to 11th results

Parameters	1	2	3	4	5	6	7	8	9	10	11	MEAN	SD	CV	Criterion CVs	Conclusion
WBC (10 ³ /μl)	6.54	6.72	6.6	6.34	6.58	6.53	6.58	6.63	6.52	6.52	6.41	6.543	0.108	1.65%	3.00%	Qualified
RBC (10 ⁶ /μl)	5.29	5.35	5.37	5.33	5.38	5.3	5.3	5.34	5.31	5.3	5.22	5.32	0.046	0.008591	1.50%	Qualified
HGB (g/dl)	17.2	16.8	17	16.7	17	17	16.7	16.7	16.9	16.9	16.7	16.84	0.135	0.008016	1.50%	Qualified
HCT (%)	48.5	48.4	48.7	48.3	48.7	48	48	48.3	48.1	48.2	47.4	48.21	0.378	0.00785	1.50%	Qualified
MCV (fL)	91.7	90.5	90.7	90.6	90.5	90.6	90.6	90.4	90.6	90.9	90.8	90.62	0.148	0.0016285	1.50%	Qualified
MCH (pg)	32.5	31.4	31.7	31.3	31.6	32.1	31.5	31.3	31.8	31.9	32	31.66	0.288	0.0090814	2.00%	Qualified
MCHC (g/dl)	35.5	34.7	34.9	34.6	34.9	35.4	34.8	34.6	35.1	35.1	35.2	34.93	0.267	0.0076403	2.00%	Qualified
PLT (10 ³ /μl)	242	243	244	252	260	251	255	250	242	248	248	249.3	5.599	0.0224573	4.00%	Qualified
RDW-SD (fL)	42.9	40.6	40.7	41.2	41	40.6	40.6	41	40.7	40.3	40.1	40.68	0.329	0.0080951	3.00%	Qualified
RDW-CV (%)	13	12.5	12.5	12.6	12.5	12.4	12.5	12.7	12.5	12.4	12.4	12.5	0.094	0.0075425	3.00%	Qualified
PDW (fL)	10.4	11.4	11.5	11.3	11.2	12.1	11.4	11.1	11.5	11.2	11.3	11.4	0.279	0.0244637	10.00%	Qualified
MPV (fL)	9.8	10.1	10	10.1	10.1	10.1	10.2	10	10	10	10.1	10.07	0.067	0.0067026	4.00%	Qualified
P-LCR (%)	23.1	26.2	25.3	25.8	25.2	25.7	25.8	24.3	25	24.3	25.7	25.33	0.643	0.0253848	18.00%	Qualified
PCT (%)	0.24	0.24	0.24	0.25	0.26	0.26	0.26	0.25	0.24	0.25	0.25	0.25	0.008	0.0326599	6.00%	Qualified
NEUT (%)	56.9	56.1	56.5	55.4	55.3	56	56.3	56.8	56.2	55	57	56.06	0.654	0.0116578	8.00%	Qualified
LYM (%)	31.3	37.4	37.3	37.7	37.8	37.2	37.2	37.1	37	38.3	36.5	37.35	0.493	0.0131921	8.00%	Qualified
MONO (%)	5.5	5.2	5.3	5.5	5.5	5.4	5	4.8	5.4	5.1	5.1	5.23	0.231	0.0442028	20.00%	Qualified
EO (%)	0.9	1	0.6	0.9	0.9	0.9	1.2	0.8	0.9	1.1	1.1	0.94	0.171	0.1822019	25.00%	Qualified
BASO (%)	0.5	0.3	0.3	0.5	0.5	0.5	0.3	0.5	0.5	0.5	0.3	0.42	0.103	0.2459037	40.00%	Qualified
NEUT# (10 ³ /μl)	3.72	3.77	3.73	3.51	3.64	3.66	3.7	3.77	3.67	3.59	3.65	3.669	0.080	0.0218591	8.00%	Qualified
LYMH# (10 ³ /μl)	2.05	2.51	2.46	2.39	2.49	2.43	2.45	2.46	2.41	2.5	2.34	2.444	0.053	0.0216682	8.00%	Qualified
MONOH# (10 ³ /μl)	0.68	0.35	0.35	0.35	0.36	0.35	0.33	0.32	0.35	0.33	0.33	0.342	0.013	0.0384959	20.00%	Qualified
EO# (10 ³ /μl)	0.06	0.07	0.04	0.06	0.06	0.06	0.08	0.05	0.06	0.07	0.07	0.062	0.011	0.1831117	25.00%	Qualified
BASOH# (10 ³ /μl)	0.03	0.02	0.02	0.03	0.03	0.03	0.02	0.03	0.03	0.03	0.02	0.026	0.005	0.1986145	40.00%	Qualified

ΒΟΪΛΑ ΠΑΝΑΓΙΩΤΑ

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Coefficient of Variation: Precision (Sysmex Reagents)

1. Fresh blood sample was collected and tested with the Sysmex Reagents for the 5 Part Hematology Analyzer.
2. The sample was tested in 10 replicates to study the Precision.

Fresh Blood Sample, n = 10

Parameters	1	2	3	4	5	6	7	8	9	10	Mean	SD	CV	CV%
WBC (10 ³ /μl)	6.75	6.6	6.48	6.74	6.51	6.57	6.6	6.57	6.55	6.81	6.62	0.11	0.02	1.67
RBC (10 ⁶ /μl)	5.42	5.42	5.42	5.36	5.4	5.38	5.41	5.43	5.36	5.35	5.40	0.03	0.01	0.55
HGB (g/dl)	17.4	17.3	17.3	17.3	17.4	17.3	17.4	17.4	17.2	17.3	17.33	0.07	0.00	0.39
HCT (%)	49.7	49.7	49.7	49.2	49.5	49.4	49.7	49.7	49.3	49.1	49.50	0.24	0.00	0.48
MCV (fl)	91.7	91.7	91.7	91.8	91.7	91.8	91.9	91.5	92	91.8	91.76	0.13	0.00	0.15
MCH (pg)	32.1	31.9	31.9	32.3	32.2	32.2	32.2	32	32.1	32.3	32.12	0.15	0.00	0.46
MCHC (g/dl)	35	34.8	34.8	35.2	35.2	35	35	35	34.9	35.2	35.01	0.15	0.00	0.44
RDW-SD (fl)	42.7	42.5	42.1	42.4	41.9	41.9	42.5	42.9	41.8	42.8	42.35	0.40	0.01	0.95
RDW-CV(%)	13.1	13.1	13	13	12.9	12.9	13	13.1	12.9	13.1	13.01	0.09	0.01	0.67
PLT (10 ³ /μl)	242	249	248	237	243	240	243	241	243	247	243.30	3.74	0.02	1.54
MPV (fl)	9.7	9.8	9.8	9.8	9.5	9.7	9.8	9.8	9.7	9.8	9.74	0.10	0.01	0.99
PCT (%)	0.24	0.24	0.24	0.23	0.23	0.23	0.24	0.23	0.23	0.24	0.24	0.01	0.02	2.24
PDW (fl)	10.4	10.7	10.4	11.2	11.5	10.1	11.1	10.9	10.6	10.4	10.73	0.44	0.04	4.08
P-LCR (%)	22.4	22	22.4	23.7	21.3	21.7	22.8	23.3	22	22.4	22.40	0.72	0.03	3.22
NEUT# (10 ³ /μl)	3.81	3.76	3.65	3.77	3.68	3.71	3.72	3.62	3.58	3.89	3.72	0.09	0.02	2.49
LYMPH# (10 ³ /μl)	2.57	2.47	2.32	2.46	2.41	2.46	2.45	2.49	2.46	2.45	2.45	0.06	0.03	2.54
MONO# (10 ³ /μl)	0.27	0.26	0.4	0.37	0.3	0.29	0.31	0.34	0.37	0.33	0.32	0.05	0.14	14.27
EO# (10 ³ /μl)	0.07	0.08	0.09	0.1	0.09	0.08	0.09	0.1	0.11	0.11	0.09	0.01	0.14	14.31
BASO# (10 ³ /μl)	0.03	0.03	0.02	0.04	0.03	0.03	0.03	0.02	0.03	0.03	0.03	0.01	0.17	16.67
NEUT (%)	56.5	57	56.3	55.9	56.5	56.5	56.3	55.1	54.6	57.2	56.19	0.80	0.01	1.43
LYMPH (%)	38.1	37.4	35.8	36.7	37	37.4	37.1	37.9	37.6	36	37.10	0.76	0.02	2.04
MONO (%)	4	3.9	6.2	5.5	4.6	4.4	4.7	5.2	5.6	4.8	4.89	0.73	0.15	14.98
EO (%)	1	1.2	1.4	1.5	1.4	1.2	1.4	1.5	1.7	1.6	1.39	0.21	0.15	14.96
BASO (%)	0.4	0.5	0.3	0.6	0.5	0.5	0.5	0.3	0.5	0.4	0.45	0.10	0.22	21.60

Coefficient of Variation: Precision (Sysmex Reagents)

1. Fresh blood sample was collected and tested with the Sysmex Reagents on XS-1000, 5 Part Hematology Analyzer.

2. The sample was tested in 11 replicates, and then calculate the CV of 2nd to 11th results

Parameters	1	2	3	4	5	6	7	8	9	10	11	MEAN	SD	CV	Criterion CVs	Conclusion
WBC ($10^3/\mu\text{l}$)	6.48	6.72	6.6	6.34	6.58	6.53	6.58	6.63	6.52	6.52	6.41	6.543	0.108	1.65%	3.00%	Qualified
RBC ($10^6/\mu\text{l}$)	5.33	5.35	5.37	5.33	5.38	5.3	5.3	5.34	5.31	5.3	5.22	5.32	0.046	0.86%	1.50%	Qualified
HGB (g/dl)	17	16.8	17	16.7	17	17	16.7	16.7	16.9	16.9	16.7	16.84	0.135	0.80%	1.50%	Qualified
HCT (%)	48.3	48.4	48.7	48.3	48.7	48	48	48.3	48.1	48.2	47.4	48.21	0.378	0.78%	1.50%	Qualified
MCV (fl)	90.6	90.5	90.7	90.6	90.5	90.6	90.6	90.4	90.6	90.9	90.8	90.62	0.148	0.16%	1.50%	Qualified
MCH (pg)	31.9	31.4	31.7	31.3	31.6	32.1	31.5	31.3	31.8	31.9	32	31.66	0.288	0.91%	2.00%	Qualified
MCHC (g/dl)	35.2	34.7	34.9	34.6	34.9	35.4	34.8	34.6	35.1	35.1	35.2	34.93	0.267	0.76%	2.00%	Qualified
PLT ($10^3/\mu\text{l}$)	243	243	244	252	260	251	255	250	242	248	248	249.3	5.599	2.25%	4.00%	Qualified
RDW-SD (fl)	40.9	40.6	40.7	41.2	41	40.6	40.6	41	40.7	40.3	40.1	40.68	0.329	0.81%	3.00%	Qualified
RDW-CV (%)	12.6	12.5	12.5	12.6	12.5	12.4	12.5	12.7	12.5	12.4	12.4	12.5	0.094	0.75%	3.00%	Qualified
PDW (fl)	11.2	11.4	11.5	11.3	11.2	12.1	11.4	11.1	11.5	11.2	11.3	11.4	0.279	2.45%	10.00%	Qualified
MPV (fl)	10	10.1	10	10.1	10.1	10.1	10.2	10	10	10	10.1	10.07	0.067	0.67%	4.00%	Qualified
P-LCR (%)	25.4	26.2	25.8	25.2	25.7	25.8	25.8	24.3	25	24.3	25.7	25.38	0.660	2.60%	18.00%	Qualified
PCT (%)	0.24	0.24	0.24	0.25	0.26	0.26	0.26	0.25	0.24	0.25	0.25	0.25	0.008	3.27%	6.00%	Qualified
NEUT (%)	55.9	56.1	56.5	55.4	55.3	56	56.3	56.8	56.2	55	57	56.06	0.654	1.17%	8.00%	Qualified
LYM (%)	37.2	37.4	37.3	37.7	37.8	37.2	37.2	37.1	37	38.3	36.5	37.35	0.493	1.32%	8.00%	Qualified
MONO (%)	5.6	5.2	5.3	5.5	5.5	5.4	5	4.8	5.4	5.1	5.1	5.23	0.231	4.42%	20.00%	Qualified
EO (%)	0.8	1	0.6	0.9	0.9	0.9	1.2	0.8	0.9	1.1	1.1	0.94	0.171	18.22%	25.00%	Qualified
BASO (%)	0.5	0.3	0.3	0.5	0.5	0.5	0.3	0.5	0.5	0.5	0.3	0.42	0.103	24.59%	40.00%	Qualified
NEUT# ($10^3/\mu\text{l}$)	3.63	3.77	3.73	3.51	3.64	3.66	3.7	3.77	3.67	3.59	3.65	3.669	0.080	2.19%	8.00%	Qualified
LYM# ($10^3/\mu\text{l}$)	2.41	2.51	2.46	2.39	2.49	2.43	2.45	2.46	2.41	2.5	2.34	2.444	0.053	2.17%	8.00%	Qualified
MONO# ($10^3/\mu\text{l}$)	0.36	0.35	0.35	0.35	0.36	0.35	0.33	0.32	0.35	0.33	0.33	0.342	0.013	3.85%	20.00%	Qualified
EO# ($10^3/\mu\text{l}$)	0.05	0.07	0.04	0.06	0.06	0.06	0.08	0.05	0.06	0.07	0.07	0.062	0.011	18.31%	25.00%	Qualified
BASO# ($10^3/\mu\text{l}$)	0.03	0.02	0.02	0.03	0.03	0.03	0.02	0.03	0.03	0.03	0.02	0.026	0.005	19.86%	40.00%	Qualified

ΒΟΥΛΑ ΠΑΝΑΓΙΩΤΑ

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Conclusions

1. The VDX Sysmex 5 Part Hematology Reagents showed an **excellent** Coefficient of Correlation (“r”) using Sysmex Original reagents as Reference.
2. All measurable parameters showed values of “r” in the range of 0.881 to 0.997 displaying the highest degree of correlation between the reagents.
3. The VDX Sysmex and the Sysmex Reference 5 Part Hematology Reagents showed an excellent coefficient of Variation (CV %) for all the parameters.
4. The CV % with the VDX Sysmex reagents and the Sysmex Reference reagents was found to be as under:

Parameters	Sysmex Reference Reagents (CV % - Precision)	VDx Sysmex Reagents (CV % - Precision)
Measured Parameters	0.15% to 21.6%	0.16% to 24.59%
Calculated Parameters	0.44% to 4.08%	0.17% to 3.27%

5. Values obtained with 3rd Party controls (Low, Normal, High) from **Sysmex** were found to be **within** specified ranges for VDX Sysmex 5 Part Hematology Reagents and Sysmex Reference reagents
6. The VDX Sysmex 5 Part Hematology Reagents were found to be **accurate, precise and comparable** with the Sysmex reference reagents in all parameters identified for the evaluation.

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