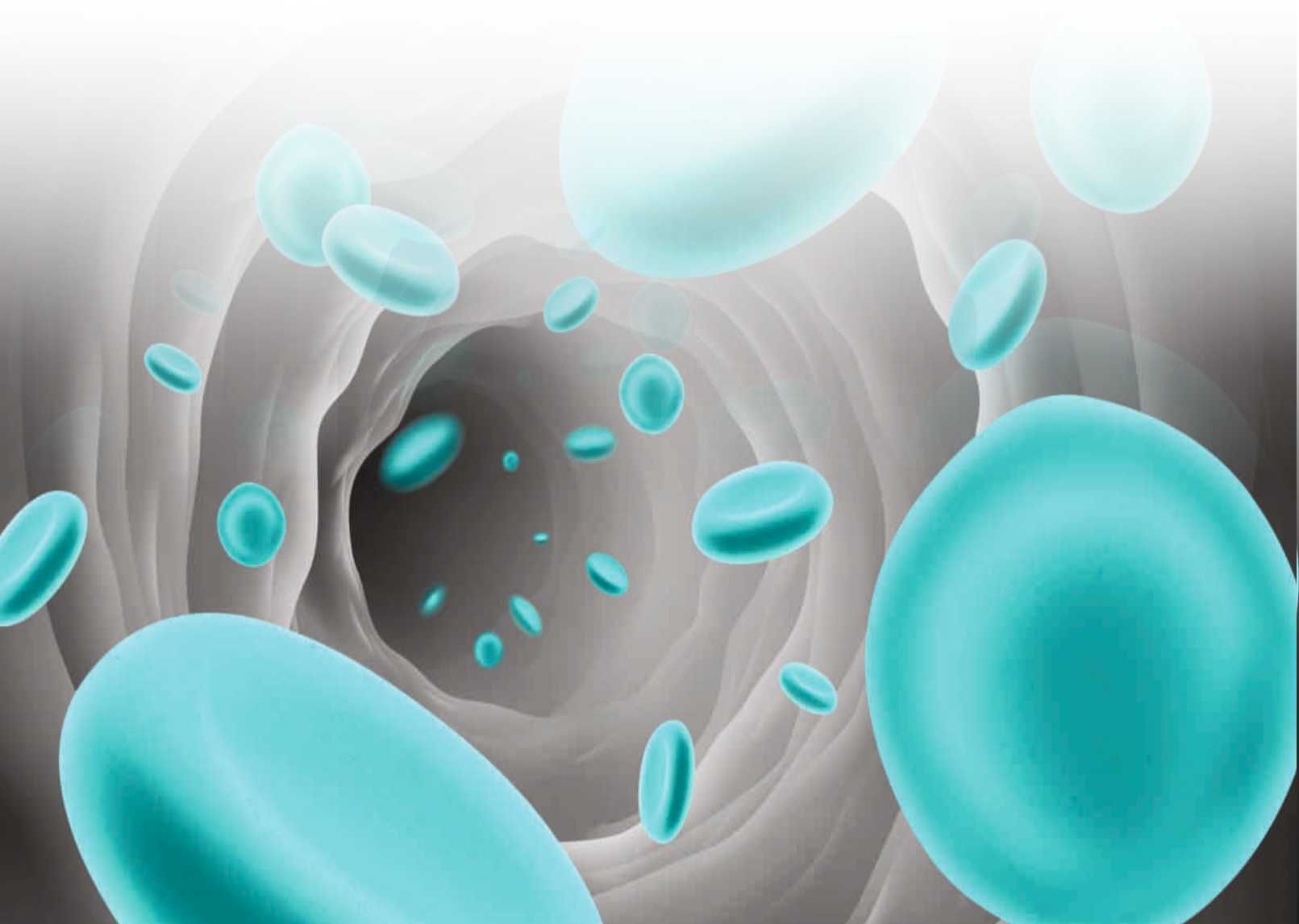




Validation Report - Greece

Sysmex- 3 Part & 5 Part Reagents

Evaluation of Hematology Reagents

Technical Report

Reagents for 5 Part Sysmex Hematology Analyzers

In collaboration with



Sitz der Gesellschaft / Office: Wieblinger Weg 17, 69123 Heidelberg
Handelsregister-Nr. / Commercial Register No.: HRB 710843
Registergericht / Register Court: Mannheim
UID-Nr. / VAT Reg. No.: DE275261186
Geschäftsführer / Managing Directors: Maxim Dja

MSC medical GmbH

Wieblinger Weg 17
69123 Heidelberg, Germany

ΠΑΣΧΩΝΗ ΦΛΩΡΑ
ΜΙΚΡΟΒΙΟΛΟΓΙΚΑ ΕΡΓΑΣΤΗΡΙΑ ΓΙΑΝΝΙΤΣΩΝ Ε.Ε.
ΚΟΜΝΗΝΩΝ 7 - ΤΣΑΛ - ΓΙΑΝΝΙΤΣΑ Τ.Κ. 58100
Α.Φ.Μ. 601665151 - Δ.Ο.Υ. ΓΙΑΝΝΙΤΣΩΝ
ΤΗΛ.: 23820 62999 - 6945433450
ΣΥΜΒΕΒΛΗΜΕΝΟΣ ΕΟΠΥΥ

ΠΑΣΧΩΝΗ ΦΛΩΡΑ.

Comparative Evaluation

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

v/s

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

ΠΑΣΧΩΝΗ ΦΛΩΡΑ
ΜΙΚΡΟΒΙΟΛΟΓΙΚΑ ΕΡΓΑΣΤΗΡΙΑ ΠΑΝΝΙΤΣΩΝ Ε.Ε.
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ΠΑΣΧΩΝΗ ΦΛΩΡΑ

VDx : Vanguard Diagnostics (P) Limited

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Details of Reagents

Type of Reagents	5 Part Hematology Reagents
Instrument Model	Sysmex XS-1000i (with sampler)
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)	1) Lot HD5P1S250301 Exp. Date : 28/2/2027 2) Lot HC1L5P18241103 Exp Date : 2/2026 3) Lot No HS2L5P1S250301 Exp Date : 2/2026 4) Lot NoHSL5P1S250301 Exp Date : 2/2027
Sysmex Reference Reagents 1) Cellpack (20L) 2) Stromatolyzer-4DL (5L) 3) Stromatolyzer – 4DS (42ml) 4) Sulfolyzer (500ml)	Lot: D5013 - Exp. Date : 07/12/2026 Lot: D5001 - Exp. Date : 15/01/2026 Lot: D4157 - Exp. Date : 09/12/2026 Lot: D4179 - Exp. Date : 11/05/2026

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 Α.Φ.Μ. 801665151 - Α.Ο.Υ. ΓΙΑΝΝΙΤΣΩΝ
 ΤΗΛ.: 23820.82395 - 6945433450
 ΣΥΜΒΕΒΛΗΜΕΝΟΣ ΕΟΠΥΥ

ΠΑΣΧΩΝΗ ΦΛΩΡΑ

Background Test		
Parameters	All Reagents from Vanguard Diagnostics	All Reagents from Sysmex as Reference
WBC ($10^3/\mu\text{l}$)	0.01	0.01
RBC ($10^6/\mu\text{l}$)	0.00	0.00
HGB (g/dl)	0.0	0.0
HCT (%)		
MCV (fL)		
MCH (pg)		
MCHC (g/dl)		
RDW-SD (fL)	0	0
RDW-CV(%)		
PLT ($10^3/\mu\text{l}$)		
MPV (fL)		
PCT (%)		
PDW (fL)		
P-LCR (%)		
NEUT# ($10^3/\mu\text{l}$)		
LYMPH# ($10^3/\mu\text{l}$)		
MONO# ($10^3/\mu\text{l}$)		
EO# ($10^3/\mu\text{l}$)		
BASO# ($10^3/\mu\text{l}$)		
NEUT (%)		
LYMPH (%)		
MONO (%)		
EO (%)		
BASO (%)		

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.

ΠΑΣΧΩΝΗ ΦΛΩΡΑ
ΜΙΚΡΟΒΙΟΛΟΓΙΚΑ ΕΡΓΑΣΤΗΡΙΑ ΓΙΑΝΝΙΤΣΩΝ Ε.Ε.
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Α.Φ.Μ. 801695151 - Δ.Ο.Υ. ΓΙΑΝΝΙΤΣΩΝ
ΤΗΛ. 29820 82999 - 6945433450
ΣΥΜΒΕΒΛΗΜΕΝΟΣ ΕΟΠΥΥ

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 (x)
 - 3 Mean y (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

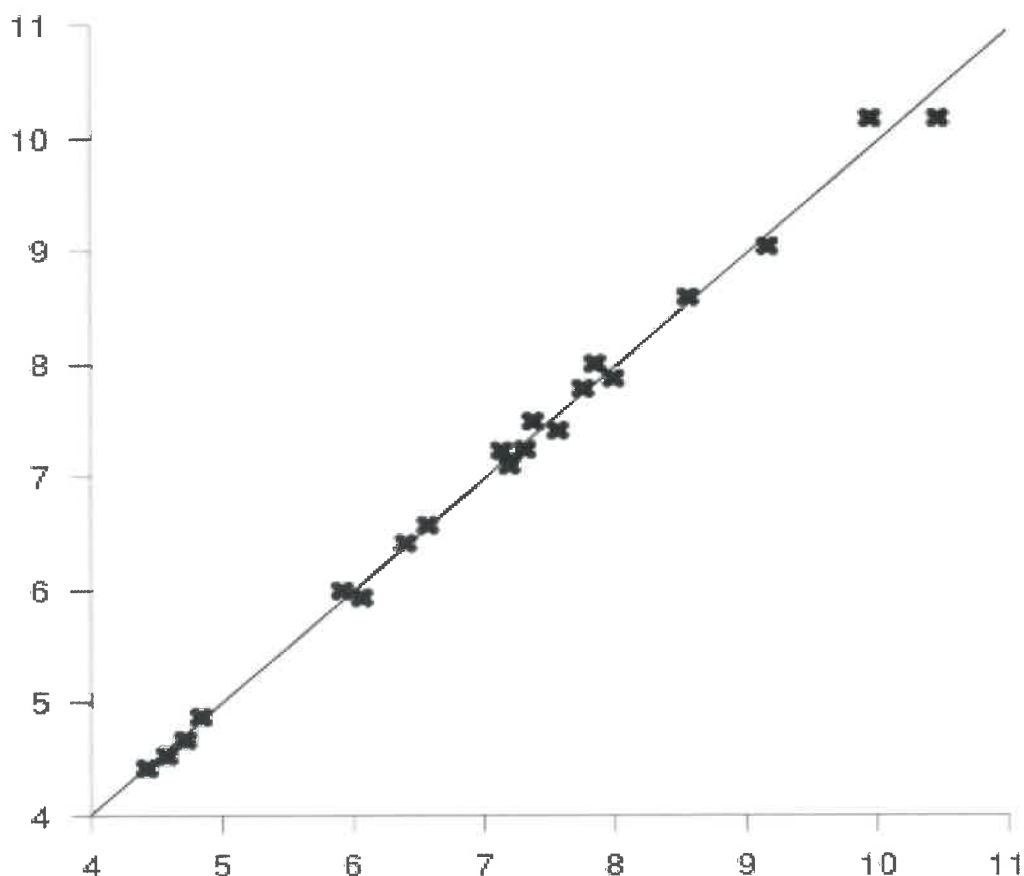
Mean x (x): 7.0935

Mean y (y): 7.074

Intercept (a): 0.034684454297313

Slope (b): 0.99236139362835

Regression line equation: $y = 0.034684454297313 + 0.99236139362835x$



Specifications for Approval/Rejection of the Results: WBC

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

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 Diagnostics			All Reagents from Sysmex as Reference			DEVIATION	JUDGE
	X1	X2	MEAN	Y1	Y2	MEAN		
1	7.51	7.26	7.385	7.62	7.36	7.49	1.40%	OK
2	10.1	10.24	10.17	10.36	10.58	10.47	2.87%	OK
3	7.28	7.2	7.24	7.26	7.38	7.32	1.09%	OK
4	7.49	7.33	7.41	7.54	7.61	7.575	2.18%	OK
5	5.88	5.98	5.93	5.97	6.16	6.065	2.23%	OK
6	6.38	6.44	6.41	6.24	6.57	6.405	0.08%	OK
7	10.25	10.09	10.17	9.95	9.96	9.955	2.16%	OK
8	5.99	5.99	5.99	5.88	5.94	5.91	1.35%	OK
9	9.08	9.01	9.045	9.13	9.22	9.175	1.42%	OK
10	7.21	7	7.105	7.16	7.24	7.2	1.32%	OK
11	4.6	4.47	4.535	4.58	4.59	4.585	1.09%	OK
12	8.69	8.5	8.595	8.59	8.53	8.56	0.41%	OK
13	7.77	7.97	7.87	8.09	7.89	7.99	1.50%	OK
14	4.47	4.37	4.42	4.39	4.47	4.43	0.23%	OK
15	4.7	4.64	4.67	4.79	4.65	4.72	1.06%	OK
16	8	8	8	7.88	7.82	7.85	1.91%	OK
17	6.66	6.48	6.57	6.6	6.55	6.575	0.08%	OK
18	4.97	4.78	4.875	4.89	4.8	4.845	0.62%	OK
19	7.24	7.22	7.23	7.15	7.14	7.145	1.19%	OK
20	7.92	7.65	7.785	7.64	7.88	7.76	0.32%	OK
Passing Number		20	Passing Rate		100.0%	Requirement		≤7.5%
Conclusion		Pass						

Coefficient of Correlation ("r")
0.997673787

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” = 0.988

Sample size: 20

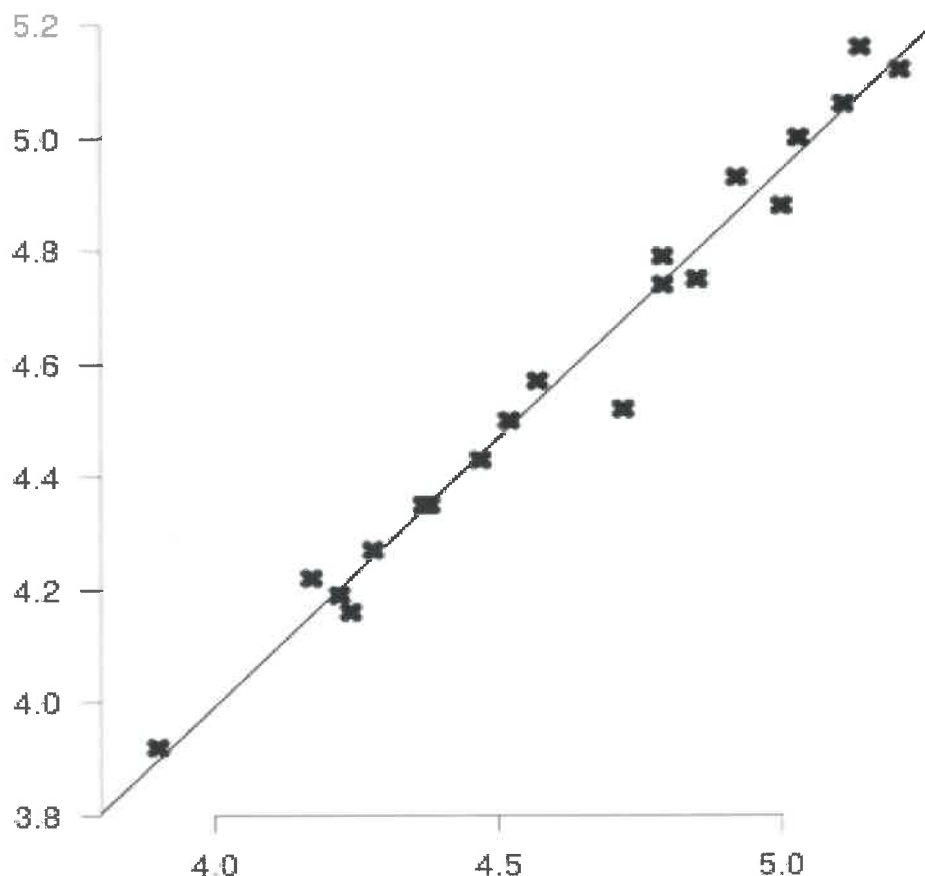
Mean x (x): 4.634

Mean y (y): 4.5955

Intercept (a): 0.19324505961343

Slope (b): 0.94999027630267

Regression line equation: $y=0.19324505961343+0.94999027630267x$



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	4.43	4.44	4.435	4.48	4.47	4.475	0.89%	OK
2	4.8	4.78	4.79	4.77	4.81	4.79	0.00%	OK
3	4.51	4.49	4.5	4.51	4.54	4.525	0.55%	OK
4	4.32	4.38	4.35	4.38	4.38	4.38	0.68%	OK
5	4.98	5.03	5.005	5.04	5.02	5.03	0.50%	OK
6	4.75	4.74	4.745	4.78	4.80	4.79	0.94%	OK
7	5.07	5.06	5.065	5.13	5.09	5.11	0.88%	OK
8	4.88	4.88	4.88	5.02	4.99	5.005	2.50%	OK
9	4.54	4.6	4.57	4.53	4.61	4.57	0.00%	OK
10	4.33	4.38	4.355	4.36	4.39	4.375	0.46%	OK
11	5.15	5.1	5.125	5.22	5.20	5.21	1.63%	OK
12	4.78	4.72	4.75	4.85	4.86	4.855	2.16%	OK
13	5.15	5.18	5.165	5.15	5.13	5.14	0.49%	OK
14	4.19	4.19	4.19	4.22	4.23	4.225	0.83%	OK
15	4.5	4.55	4.525	4.79	4.65	4.72	4.13%	NO
16	4.26	4.29	4.275	4.29	4.27	4.28	0.12%	OK
17	3.91	3.93	3.92	3.88	3.92	3.9	0.51%	OK
18	4.15	4.17	4.16	4.25	4.24	4.245	2.00%	OK
19	4.91	4.95	4.93	4.93	4.92	4.925	0.10%	OK
20	4.23	4.21	4.22	4.15	4.19	4.17	1.20%	OK
Passing Number		19	Passing Rate		95.0%	Requirement		<±3%
Conclusion		Pass						

Coefficient of Correlation ("r")

0.988334334

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

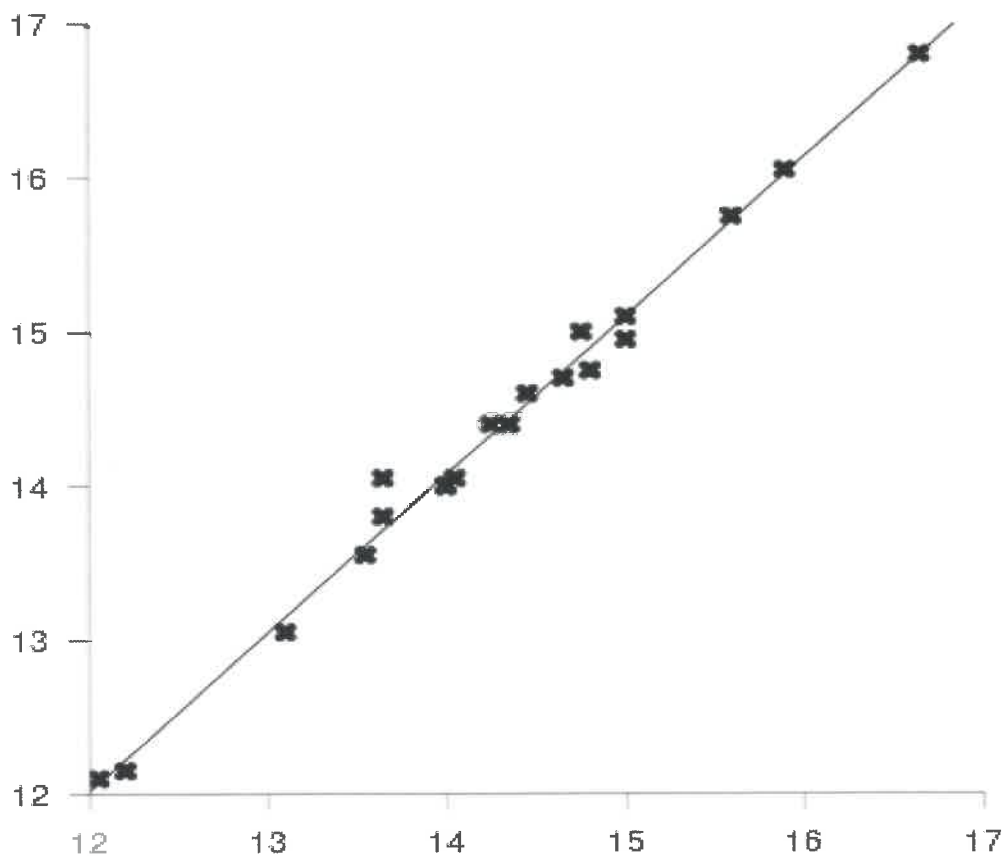
Mean x (x): 14.2825

Mean y (y): 14.3625

Intercept (a): -0.31900298498082

Slope (b): 1.02793649466

Regression line equation: $y = 1.02793649466x - 0.31900298498082$



ΠΑΣΧΩΝΗ ΦΛΩΡΑ
ΜΙΚΡΟΒΙΟΛΟΓΙΚΑ ΕΡΓΑΣΤΗΡΙΑ ΓΙΑΝΝΙΤΣΩΝ Ε.Ε.
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Α.Φ.Μ. 801665151 Δ.Ο.Υ. ΓΙΑΝΝΙΤΣΩΝ
ΤΗΛ: 23820 62999 - 6945433450
ΣΥΜΒΕΒΛΗΜΕΝΟΣ ΕΟΠΥΥ

Specifications for Approval/Rejection of the Results: HGB

HGB (g/dl)

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
	16.8	X2	MEAN	Y1	Y2	MEAN		
1	13.6	13.5	13.55	13.6	13.5	13.55	0.00%	OK
2	15.1	15.1	15.1	14.9	15.1	15	0.67%	OK
3	14.1	14	14.05	14	14	14	0.36%	OK
4	13.8	13.8	13.8	13.6	13.7	13.65	1.10%	OK
5	16.8	16.8	16.8	16.6	16.7	16.65	0.90%	OK
6	14.7	14.7	14.7	14.6	14.7	14.65	0.34%	OK
7	16	16.1	16.05	15.9	15.9	15.9	0.94%	OK
8	14.9	15	14.95	15	15	15	0.33%	OK
9	14	14	14	14	14	14	0.00%	OK
10	14.3	14.5	14.4	14.3	14.4	14.35	0.35%	OK
11	14.8	14.7	14.75	14.8	14.8	14.8	0.34%	OK
12	14.6	14.6	14.6	14.4	14.5	14.45	1.04%	OK
13	15.7	15.8	15.75	15.6	15.6	15.6	0.96%	OK
14	14.1	14	14.05	14.1	14	14.05	0.00%	OK
15	14.3	14.5	14.4	14.3	14.2	14.25	1.05%	OK
16	13	13.1	13.05	13.1	13.1	13.1	0.38%	OK
17	12.1	12.1	12.1	12.1	12	12.05	0.41%	OK
18	12.1	12.2	12.15	12.2	12.2	12.2	0.41%	OK
19	15	15	15	14.8	14.7	14.75	1.69%	OK
20	14	14	14	14	14	14	0.00%	OK
Passing Number		20	Passing Rate		100.0%	Requirement		<±3.5%
Conclusion		Pass						

Coefficient of Correlation ("r")
0.997681829

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" = 0.994

Sample size: 20

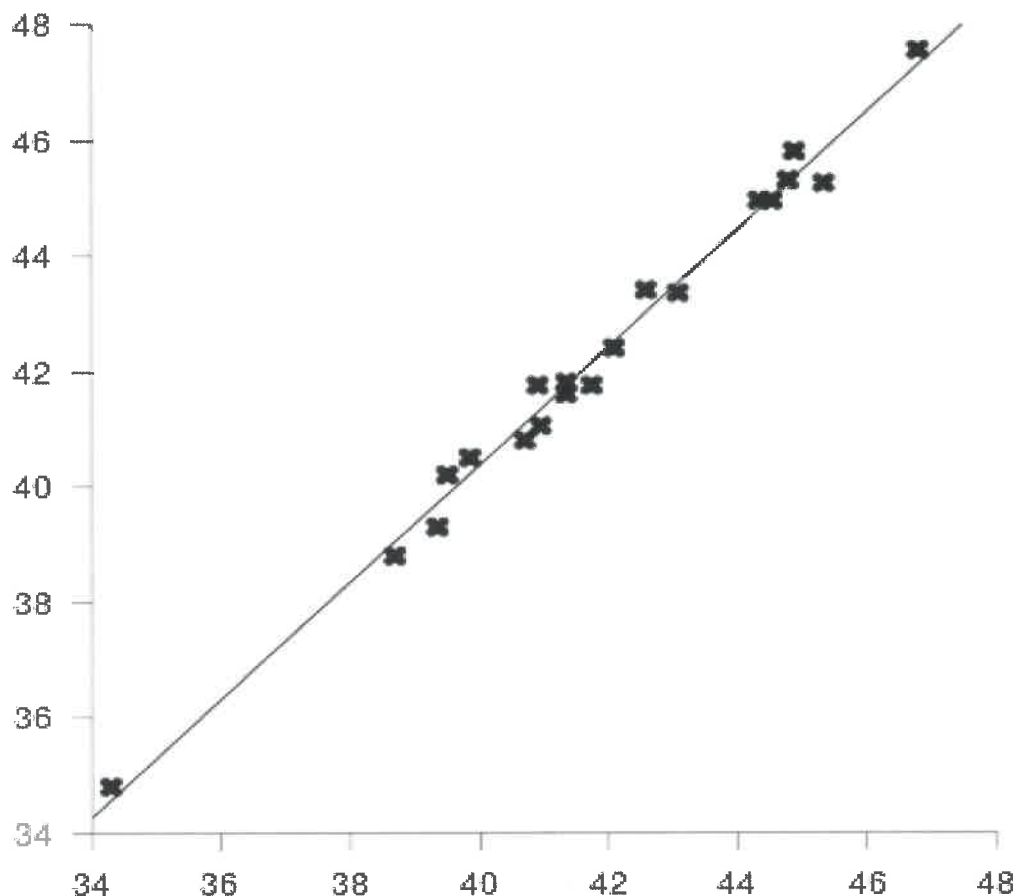
Mean x (x): 41.8625

Mean y (y): 42.265

Intercept (a): -0.33922846238906

Slope (b): 1.017718207522

Regression line equation: $y = 1.017718207522x - 0.33922846238906$



Specifications for Approval/Rejection of the Results: HCT

HCT (%)

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
	45.3	X2	MEAN	Y1	Y2	MEAN		
1	40.6	40.4	40.5	40	39.7	39.85	1.63%	OK
2	43.6	43.1	43.35	43	43.2	43.1	0.58%	OK
3	39.5	39.1	39.3	39.3	39.4	39.35	0.13%	OK
4	40.6	41	40.8	40.8	40.6	40.7	0.25%	OK
5	45.2	45.3	45.25	45.6	45.1	45.35	0.22%	OK
6	45.9	45.7	45.8	45	44.8	44.9	2.00%	OK
7	47.6	47.5	47.55	46.8	46.8	46.8	1.60%	OK
8	45	44.9	44.95	44.6	44.1	44.35	1.35%	OK
9	41.3	41.9	41.6	41.2	41.5	41.35	0.60%	OK
10	41.1	41	41.05	40.9	41	40.95	0.24%	OK
11	43.6	43.2	43.4	42.8	42.4	42.6	1.88%	OK
12	45.3	44.6	44.95	44.6	44.5	44.55	0.90%	OK
13	45.3	45.3	45.3	44.9	44.7	44.8	1.12%	OK
14	41.9	41.6	41.75	41.8	41.7	41.75	0.00%	OK
15	41.7	41.9	41.8	41.5	41.2	41.35	1.09%	OK
16	40.3	40.1	40.2	39.6	39.4	39.5	1.77%	OK
17	34.8	34.8	34.8	34.2	34.4	34.3	1.46%	OK
18	38.8	38.8	38.8	38.8	38.6	38.7	0.26%	OK
19	42.4	42.4	42.4	42.3	41.9	42.1	0.71%	OK
20	41.9	41.6	41.75	40.8	41	40.9	2.08%	OK
Passing Number		20	Passing Rate		100.0%	Requirement		<±3.5%
Conclusion		Pass						

Coefficient of Correlation ("r")
0.994542084

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.

$$"r" = 0.964$$

Sample size: 20

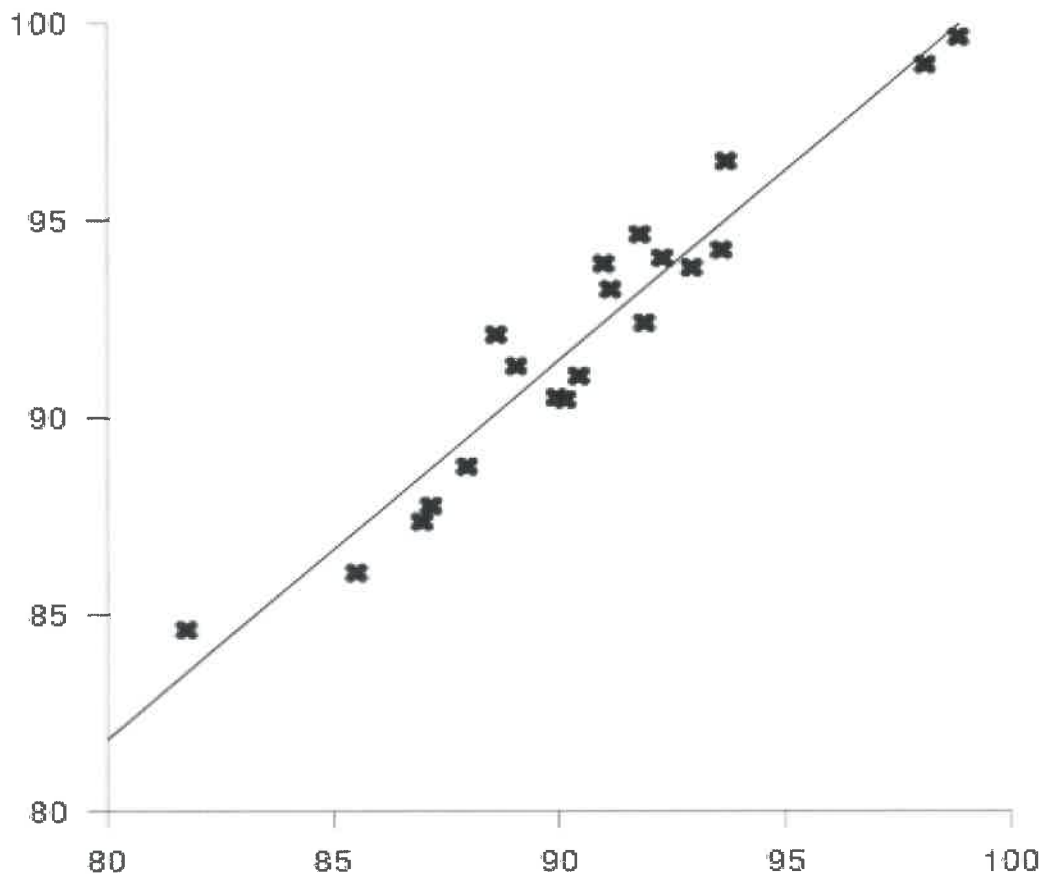
Mean x (x): 90.6425

Mean y (y): 92.065

Intercept (a): 4.7607365846166

Slope (b): 0.96317139769295

Regression line equation: $y = 4.7607365846166 + 0.96317139769295x$



Specifications for Approval/Rejection of the Results: MCV

MCV (fL)

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
	90.1	X2	MEAN	Y1	Y2	MEAN		
1	91.6	91	91.3	89.3	88.8	89.05	2.53%	OK
2	90.8	90.2	90.5	90.1	89.8	89.95	0.61%	OK
3	87.6	87.1	87.35	87.1	86.8	86.95	0.46%	OK
4	94	93.6	93.8	93.2	92.7	92.95	0.91%	OK
5	90.8	90.1	90.45	90.5	89.8	90.15	0.33%	OK
6	96.6	96.4	96.5	94.1	93.3	93.7	2.99%	OK
7	93.9	93.9	93.9	91.2	90.8	91	3.19%	OK
8	92.2	92	92.1	88.8	88.4	88.6	3.95%	NO
9	91	91.1	91.05	90.9	90	90.45	0.66%	OK
10	94.9	93.6	94.25	93.8	93.4	93.6	0.69%	OK
11	84.7	84.5	84.6	82	81.5	81.75	3.49%	OK
12	94.8	94.5	94.65	92	91.6	91.8	3.10%	OK
13	88	87.5	87.75	87.2	87.1	87.15	0.69%	OK
14	100	99.3	99.65	99.1	98.6	98.85	0.81%	OK
15	92.7	92.1	92.4	92	91.8	91.9	0.54%	OK
16	94.6	93.5	94.05	92.3	92.3	92.3	1.90%	OK
17	89	88.5	88.75	88.1	87.8	87.95	0.91%	OK
18	93.5	93	93.25	91.3	91	91.15	2.30%	OK
19	86.4	85.7	86.05	85.8	85.2	85.5	0.64%	OK
20	99.1	98.8	98.95	98.3	97.9	98.1	0.87%	OK
Passing Number		19	Passing Rate		95.0%	Requirement		<±3.5%
Conclusion		Pass						

Coefficient of Correlation ("r")

0.964520666

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.

$$"r" = 0.977$$

Sample size: 20

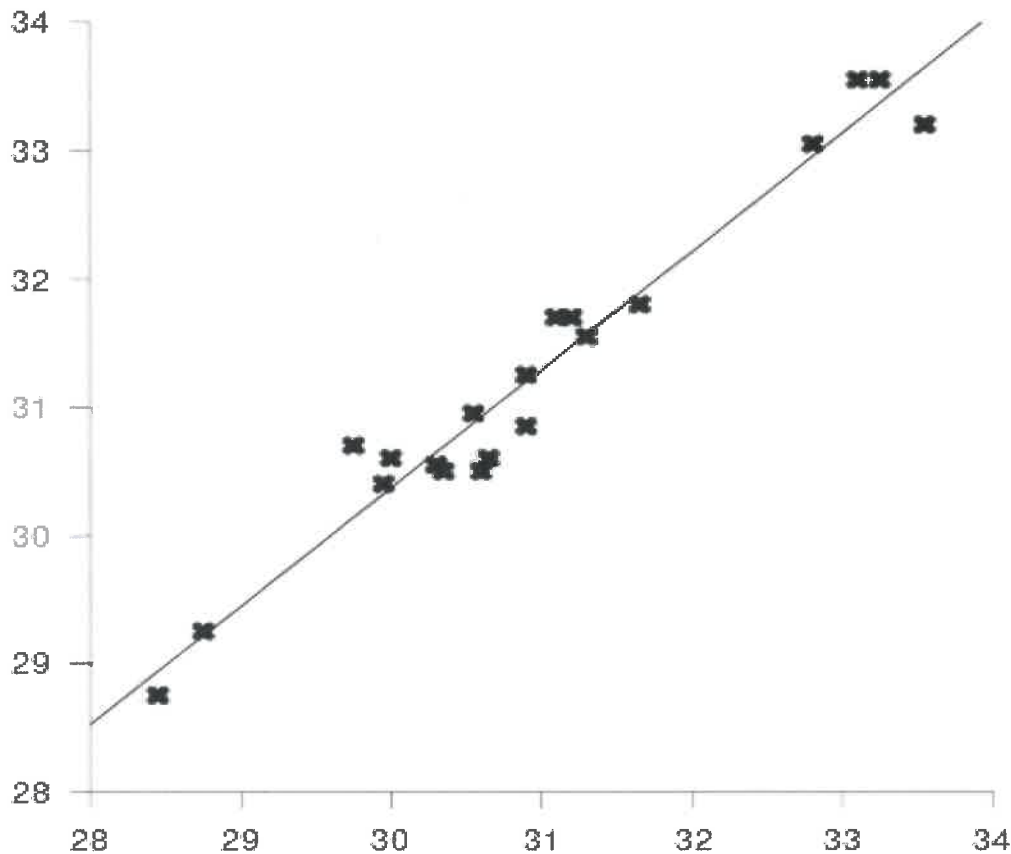
Mean x (x): 30.955

Mean y (y): 31.25

Intercept (a): 2.6767428437913

Slope (b): 0.9230578955325

Regression line equation: $y = 2.6767428437913 + 0.9230578955325x$



ΠΑΣΧΩΝΗ ΦΛΩΡΑ
ΜΙΚΡΟΒΙΟΛΟΓΙΚΑ ΕΡΓΑΣΤΗΡΙΑ ΠΑΝΝΙΤΣΩΝ Ε.Ε.
ΚΟΜΝΗΝΩΝ 7 - ΤΣΑΛΙ - ΠΑΝΝΙΤΣΩΝ Τ.Κ. 58100
Α.Φ.Μ. 801665151 - Α.Ο.Υ. ΠΑΝΝΙΤΣΩΝ
ΤΗΛ: 23820 82989 - 6945433450
ΣΥΜΒΕΒΑΗΜΕΝΟΣ ΕΟΠΥΥ

ΠΑΣΧΩΝΗ ΦΛΩΡΑ

Specifications for Approval/Rejection of the Results: MCH

MCH (pg)

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
	33.4	X2	MEAN	Y1	Y2	MEAN		
1	30.7	30.4	30.55	30.4	30.2	30.3	0.83%	OK
2	31.5	31.6	31.55	31.2	31.4	31.3	0.80%	OK
3	31.3	31.2	31.25	31	30.8	30.9	1.13%	OK
4	31.9	31.5	31.7	31.1	31.3	31.2	1.60%	OK
5	33.7	33.4	33.55	32.9	33.3	33.1	1.36%	OK
6	30.9	31	30.95	30.5	30.6	30.55	1.31%	OK
7	31.6	31.8	31.7	31	31.2	31.1	1.93%	OK
8	30.5	30.7	30.6	29.9	30.1	30	2.00%	OK
9	30.8	30.4	30.6	30.9	30.4	30.65	0.16%	OK
10	33	33.1	33.05	32.8	32.8	32.8	0.76%	OK
11	28.7	28.8	28.75	28.4	28.5	28.45	1.05%	OK
12	30.5	30.9	30.7	29.7	29.8	29.75	3.19%	OK
13	30.5	30.5	30.5	30.3	30.4	30.35	0.49%	OK
14	33.7	33.4	33.55	33.4	33.1	33.25	0.90%	OK
15	31.8	31.8	31.8	31.7	31.6	31.65	0.47%	OK
16	30.5	30.5	30.5	30.5	30.7	30.6	0.33%	OK
17	30.9	30.8	30.85	31.2	30.6	30.9	0.16%	OK
18	29.2	29.3	29.25	28.7	28.8	28.75	1.74%	OK
19	30.5	30.3	30.4	30	29.9	29.95	1.50%	OK
20	33.1	33.3	33.2	33.7	33.4	33.55	1.04%	OK
Passing Number	20	Passing Rate		100.0%	Requirement		<±3.5%	
Conclusion	Pass							

Coefficient of Correlation ("r")

0.977892424

Coefficient of Correlation ("r")
0.977892424

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.

$$"r" = 0.968$$

Sample size: 20

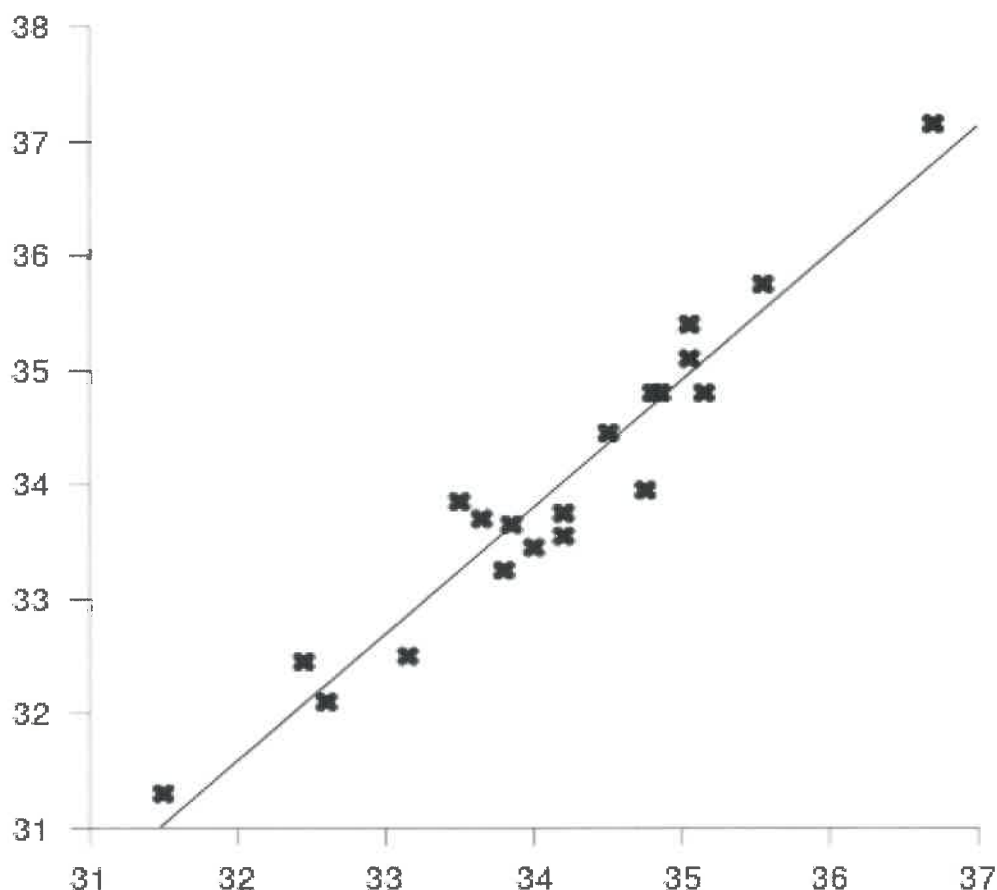
Mean x (x): 34.165

Mean y (y): 33.9875

Intercept (a): -3.9403779891877

Slope (b): 1.1101383869219

Regression line equation: $y = 1.1101383869219x - 3.9403779891877$



Specifications for Approval/Rejection of the Results: MCHC

MCHC (g/dl)		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	
		37.1	X2	MEAN	Y1	Y2	MEAN			
1		33.5	33.4	33.45	34	34	34	1.62%	OK	
2		34.6	35	34.8	34.7	35	34.85	0.14%	OK	
3		35.7	35.8	35.75	35.6	35.5	35.55	0.56%	OK	
4		34	33.7	33.85	33.3	33.7	33.5	1.04%	OK	
5		37.2	37.1	37.15	36.4	37	36.7	1.23%	OK	
6		32	32.2	32.1	32.4	32.8	32.6	1.53%	OK	
7		33.6	33.9	33.75	34	34.4	34.2	1.32%	OK	
8		33.1	33.4	33.25	33.6	34	33.8	1.63%	OK	
9		33.9	33.4	33.65	34	33.7	33.85	0.59%	OK	
10		34.8	35.4	35.1	35	35.1	35.05	0.14%	OK	
11		33.9	34	33.95	34.6	34.9	34.75	2.30%	OK	
12		32.2	32.7	32.45	32.3	32.6	32.45	0.00%	OK	
13		34.7	34.9	34.8	34.7	34.9	34.8	0.00%	OK	
14		33.7	33.7	33.7	33.7	33.6	33.65	0.15%	OK	
15		34.3	34.6	34.45	34.5	34.5	34.5	0.14%	OK	
16		32.3	32.7	32.5	33.1	33.2	33.15	1.96%	OK	
17		34.8	34.8	34.8	35.4	34.9	35.15	1.00%	OK	
18		31.2	31.4	31.3	31.4	31.6	31.5	0.63%	OK	
19		35.4	35.4	35.4	35	35.1	35.05	1.00%	OK	
20		33.4	33.7	33.55	34.3	34.1	34.2	1.90%	OK	
Passing Number		20		Passing Rate		100.0%	Requirement		<±3.5%	
Conclusion		Pass								

Coefficient of Correlation ("r")

0.968607695

Coefficient of Correlation ("r")
0.968607695

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.

$$"r" = 0.972$$

Sample size: 20

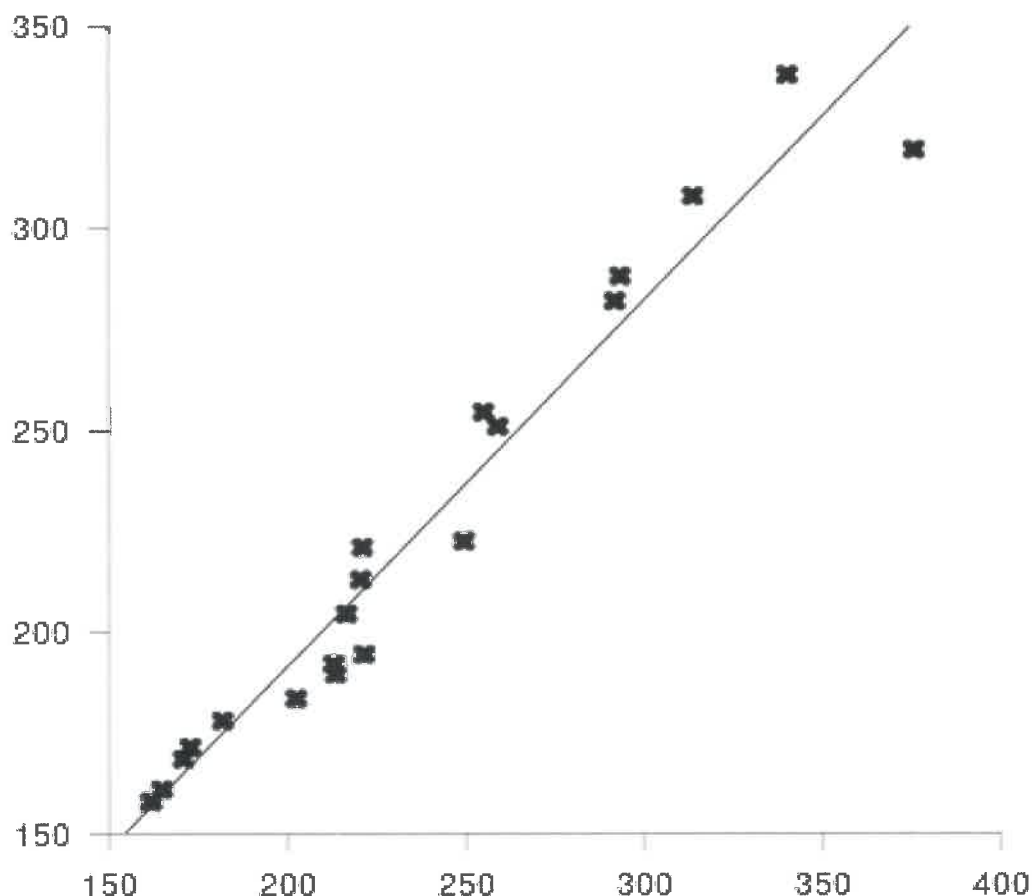
Mean x (x): 237.05

Mean y (y): 224.935

Intercept (a): 9.731891423975

Slope (b): 0.90783846688895

Regression line equation: $y = 9.731891423975 + 0.90783846688895x$



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
	206	X2	MEAN	Y1	Y2	MEAN		
1	336	340	338	336	345	340.5	0.73%	OK
2	173	170	171.5	174	172	173	0.87%	OK
3	209	217	213	224	217	220.5	3.40%	OK
4	218	224	221	219	223	221	0.00%	OK
5	203	206	204.5	216	217	216.5	5.54%	OK
6	221	224	222.5	247	252	249.5	10.82%	OK
7	190	194	192	218	208	213	9.86%	OK
8	317	322	319.5	371	381	376	15.03%	NO
9	254	255	254.5	253	257	255	0.20%	OK
10	253	249	251	260	258	259	3.09%	OK
11	196	183	189.5	214	213	213.5	11.24%	OK
12	200	189	194.5	227	216	221.5	12.19%	OK
13	166	156	161	164	166	165	2.42%	OK
14	158	158	158	162	162	162	2.47%	OK
15	167	170	168.5	171	171	171	1.46%	OK
16	289	288	288.5	291	296	293.5	1.70%	OK
17	282	282	282	290	294	292	3.42%	OK
18	182	185	183.5	205	200	202.5	9.38%	OK
19	179	177	178	182	182	182	2.20%	OK
20	310	306	308	316	312	314	1.91%	OK
Passing Number		19	Passing Rate		95.0%	Requirement		<±12.5%
Conclusion		Pass						

Coefficient of Correlation ("r")
0.972172365

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.

$$"r" = 0.921$$

Sample size: 20

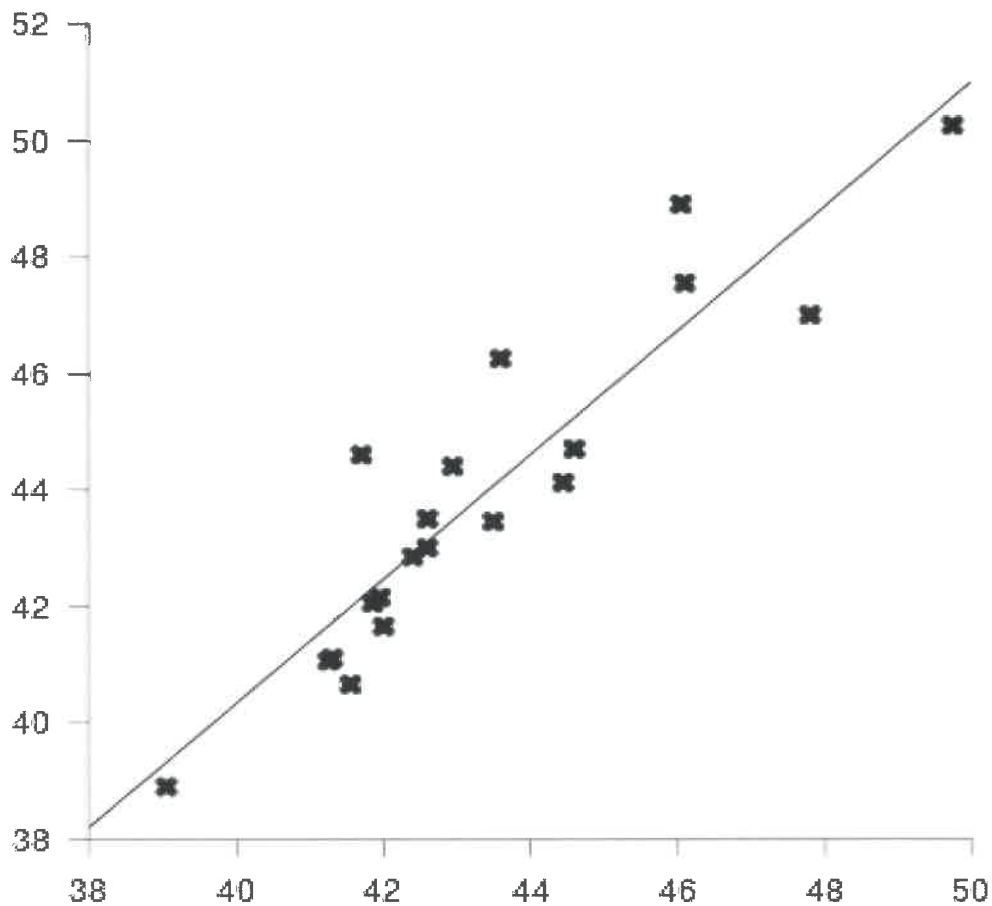
Mean x (x): 43.3525

Mean y (y): 43.906

Intercept (a): -2.3178425232684

Slope (b): 1.0662324554125

Regression line equation: $y = 1.0662324554125x - 2.3178425232684$



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

RDW-SD (fL)

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
	40.3	X2	MEAN	Y1	Y2	MEAN		
1	46.4	46.1	46.25	44.1	43.1	43.6	6.08%	OK
2	41.7	41.6	41.65	42.3	41.7	42	0.83%	OK
3	41	41.2	41.1	41.4	41.2	41.3	0.48%	OK
4	47.2	46.8	47	48	47.6	47.8	1.67%	OK
5	41	40.3	40.65	41.7	41.4	41.55	2.17%	OK
6	49	48.8	48.9	46	46.1	46.05	6.19%	OK
7	44.4	44.4	44.4	43.2	42.7	42.95	3.38%	OK
8	44.7	44.5	44.6	41.5	41.9	41.7	6.95%	OK
9	43.4	43.5	43.45	43.7	43.3	43.5	0.11%	OK
10	44.6	44.8	44.7	44.8	44.4	44.6	0.22%	OK
11	44	44.1	44.05	42	41.7	41.85	5.26%	OK
12	47.7	47.4	47.55	46.4	45.8	46.1	3.15%	OK
13	41.4	40.7	41.05	41.2	41.3	41.25	0.48%	OK
14	43	43	43	42.8	42.4	42.6	0.94%	OK
15	41.9	42.4	42.15	42	41.9	41.95	0.48%	OK
16	44.3	44	44.15	44.4	44.5	44.45	0.67%	OK
17	43.9	43.1	43.5	42.9	42.3	42.6	2.11%	OK
18	50.6	49.9	50.25	49.9	49.6	49.75	1.01%	OK
19	39.2	38.6	38.9	39.2	38.9	39.05	0.38%	OK
20	43	42.7	42.85	42.6	42.2	42.4	1.06%	OK
Passing Number		20	Passing Rate		100.0%	Requirement		<±7.5%
Conclusion		Pass						

Coefficient of Correlation ("r")
0.921386118

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.

$$"r" = 0.946$$

Sample size: 20

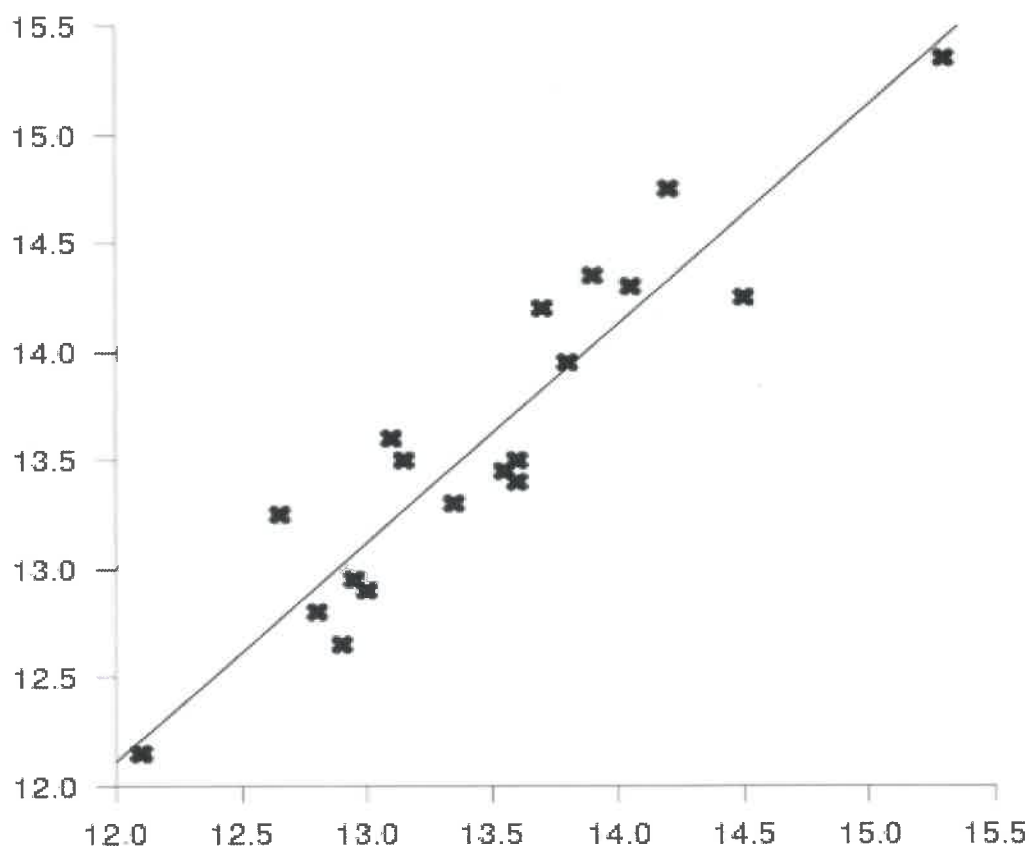
Mean x (x): 13.415

Mean y (y): 13.5375

Intercept (a): 0.011293883380137

Slope (b): 1.0082896844294

Regression line equation: $y = 0.011293883380137 + 1.0082896844294x$



Specifications for Approval/Rejection of the Results:RDW-CV%

RDW-CV(%)

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
	12.6	X2	MEAN	Y1	Y2	MEAN		
1	14.2	14.2	14.2	13.8	13.6	13.7	3.65%	OK
2	12.9	12.9	12.9	13	13	13	0.77%	OK
3	13.3	13.3	13.3	13.4	13.3	13.35	0.37%	OK
4	14.3	14.2	14.25	14.5	14.5	14.5	1.72%	OK
5	12.7	12.6	12.65	12.9	12.9	12.9	1.94%	OK
6	14.3	14.4	14.35	13.9	13.9	13.9	3.24%	OK
7	13.5	13.5	13.5	13.2	13.1	13.15	2.66%	OK
8	13.6	13.6	13.6	13	13.2	13.1	3.82%	OK
9	13.5	13.5	13.5	13.7	13.5	13.6	0.74%	OK
10	13.4	13.5	13.45	13.6	13.5	13.55	0.74%	OK
11	14.8	14.7	14.75	14.2	14.2	14.2	3.87%	OK
12	14.3	14.3	14.3	14.1	14	14.05	1.78%	OK
13	13.3	13.2	13.25	12.9	12.4	12.65	4.74%	OK
14	12.1	12.2	12.15	12.1	12.1	12.1	0.41%	OK
15	12.9	13	12.95	12.9	13	12.95	0.00%	OK
16	13.5	13.3	13.4	13.6	13.6	13.6	1.47%	OK
17	13.8	14.1	13.95	13.8	13.8	13.8	1.09%	OK
18	15.4	15.3	15.35	15.3	15.3	15.3	0.33%	OK
19	12.8	12.8	12.8	12.8	12.8	12.8	0.00%	OK
20	12.2	12.1	12.15	12.1	12.1	12.1	0.41%	OK
Passing Number		20	Passing Rate		100.0%	Requirement		<±7.5%
Conclusion		Pass						

Coefficient of Correlation ("r")

0.946548941

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.

$$"r" = 0.948$$

Sample size: 20

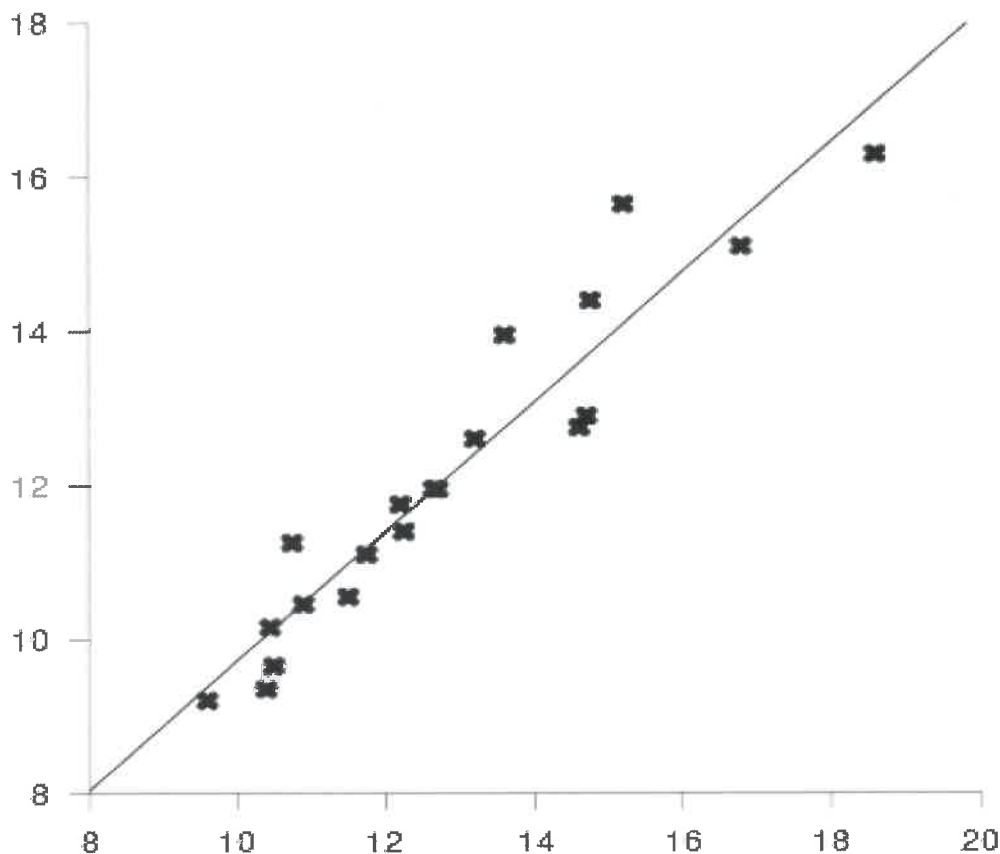
Mean x (x): 12.855

Mean y (y): 12.12

Intercept (a): 1.2892386646903

Slope (b): 0.84253297046361

Regression line equation: $y = 1.2892386646903 + 0.84253297046361x$



Specifications for Approval/Rejection of the Results: PDW

PDW (fL)

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
	8.9	X2	MEAN	Y1	Y2	MEAN		
1	11.3	11.2	11.25	9.8	9.7	9.75	15.38%	NO
2	16.9	15.7	16.3	18.2	19	18.6	12.37%	NO
3	15.7	14.5	15.1	16.3	17.3	16.8	10.12%	OK
4	9.6	9.7	9.65	10.6	10.4	10.5	8.10%	OK
5	9.5	8.9	9.2	9.9	9.3	9.6	4.17%	OK
6	13	12.5	12.75	14.1	15.1	14.6	12.67%	NO
7	13.5	14.4	13.95	13.3	13.9	13.6	2.57%	OK
8	9.1	9.6	9.35	10.2	10.6	10.4	10.10%	OK
9	10.8	10.3	10.55	11.2	11.8	11.5	8.26%	OK
10	10.4	10.5	10.45	11.2	10.6	10.9	4.13%	OK
11	10.3	10	10.15	10.5	10.4	10.45	2.87%	OK
12	13.1	12.1	12.6	13.3	13.1	13.2	4.55%	OK
13	12.2	11.7	11.95	12.9	12.4	12.65	5.53%	OK
14	12.2	11.3	11.75	12.4	12	12.2	3.69%	OK
15	11.3	12.6	11.95	12.5	12.9	12.7	5.91%	OK
16	11.1	11.1	11.1	11.6	11.9	11.75	5.53%	OK
17	14.7	14.1	14.4	15.4	14.1	14.75	2.37%	OK
18	16.4	14.9	15.65	15.1	15.3	15.2	2.96%	OK
19	13.6	12.2	12.9	14.4	15	14.7	12.24%	NO
20	11.1	11.7	11.4	12.3	12.2	12.25	6.94%	OK
Passing Number		16	Passing Rate		80.0%	Requirement		<=12%
Conclusion		Pass						

Coefficient of Correlation ("r")
0.948928082

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" = 0.967

Sample size: 20

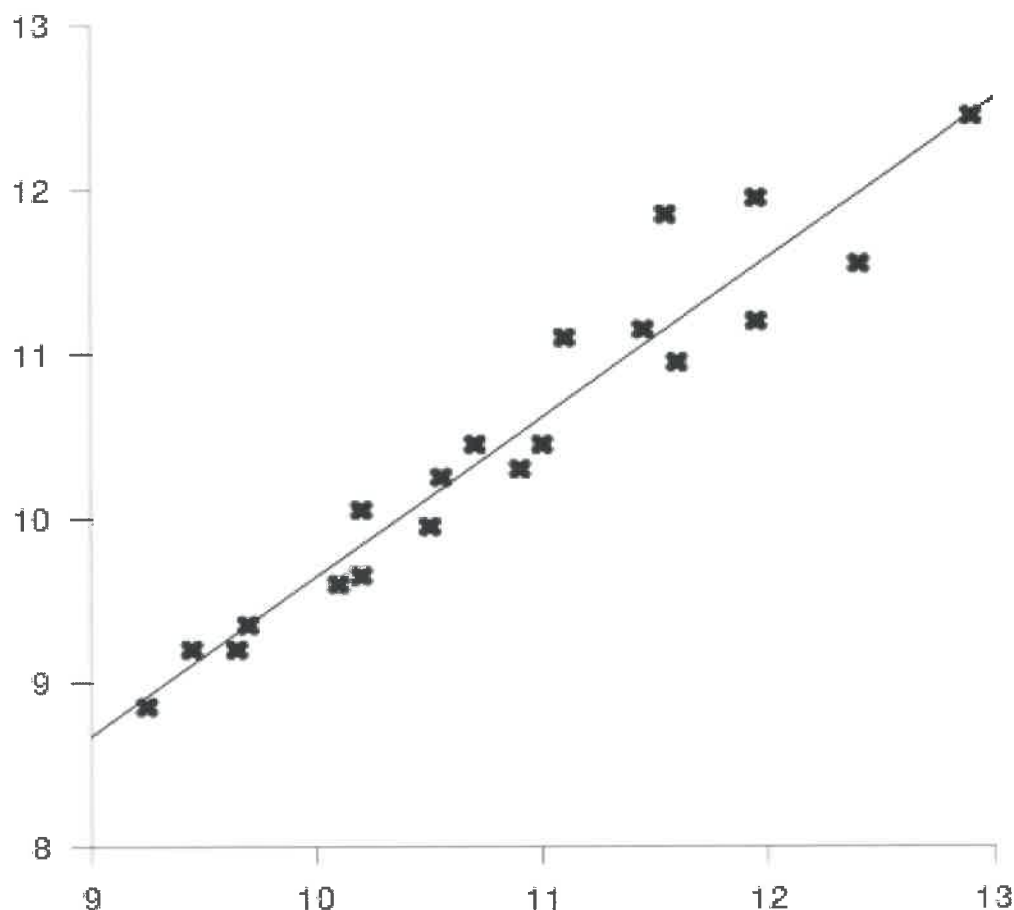
Mean x (x): 10.855

Mean y (y): 10.475

Intercept (a): -0.09285135864663

Slope (b): 0.97354687781176

Regression line equation: $y = 0.97354687781176x - 0.09285135864663$



Specifications for Approval/Rejection of the Results: MPV

MPV (fL)	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							
	All Reagents from Vanguard Diagnostic			All Reagents from Sysmex as Reference			DEVIATION	JUDGE
SAMPLE	8.9	X2	MEAN	Y1	Y2	MEAN		
1	10.1	10	10.05	9.2	9.2	9.2	9.24%	NO
2	12.6	12.3	12.45	12.8	13	12.9	3.49%	OK
3	11.5	11.6	11.55	12.3	12.5	12.4	6.85%	OK
4	9.3	9.4	9.35	9.8	9.6	9.7	3.61%	OK
5	8.8	8.9	8.85	9.3	9.2	9.25	4.32%	OK
6	11.1	10.8	10.95	11.5	11.7	11.6	5.60%	OK
7	11.1	11.2	11.15	11.5	11.4	11.45	2.62%	OK
8	9.1	9.3	9.2	9.6	9.7	9.65	4.66%	OK
9	9.7	9.6	9.65	10.2	10.2	10.2	5.39%	OK
10	9.5	9.7	9.6	10.1	10.1	10.1	4.95%	OK
11	9.1	9.3	9.2	9.4	9.5	9.45	2.65%	OK
12	11.2	11	11.1	11	11.2	11.1	0.00%	OK
13	10.4	10.2	10.3	10.8	11	10.9	5.50%	OK
14	10.5	10.4	10.45	10.7	10.7	10.7	2.34%	OK
15	10.5	10.4	10.45	11.1	10.9	11	5.00%	OK
16	10.3	10.2	10.25	10.5	10.6	10.55	2.84%	OK
17	11.2	11.2	11.2	12	11.9	11.95	6.28%	OK
18	11.9	12	11.95	12.1	11.8	11.95	0.00%	OK
19	10.9	10.8	10.85	11.4	11.7	11.55	6.06%	OK
20	9.9	10	9.95	10.5	10.5	10.5	5.24%	OK
Passing Number		19	Passing Rate		95.0%	Requirement		≤7.5%
Conclusion		Pass						

Coefficident of Correlation ("r")
0.967245485

Coefficient of Correlation ("r")
0.967245485

Coefficient of Correlation ("r"): P-LCR%

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

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

"r" = 0.970

Sample size: 20

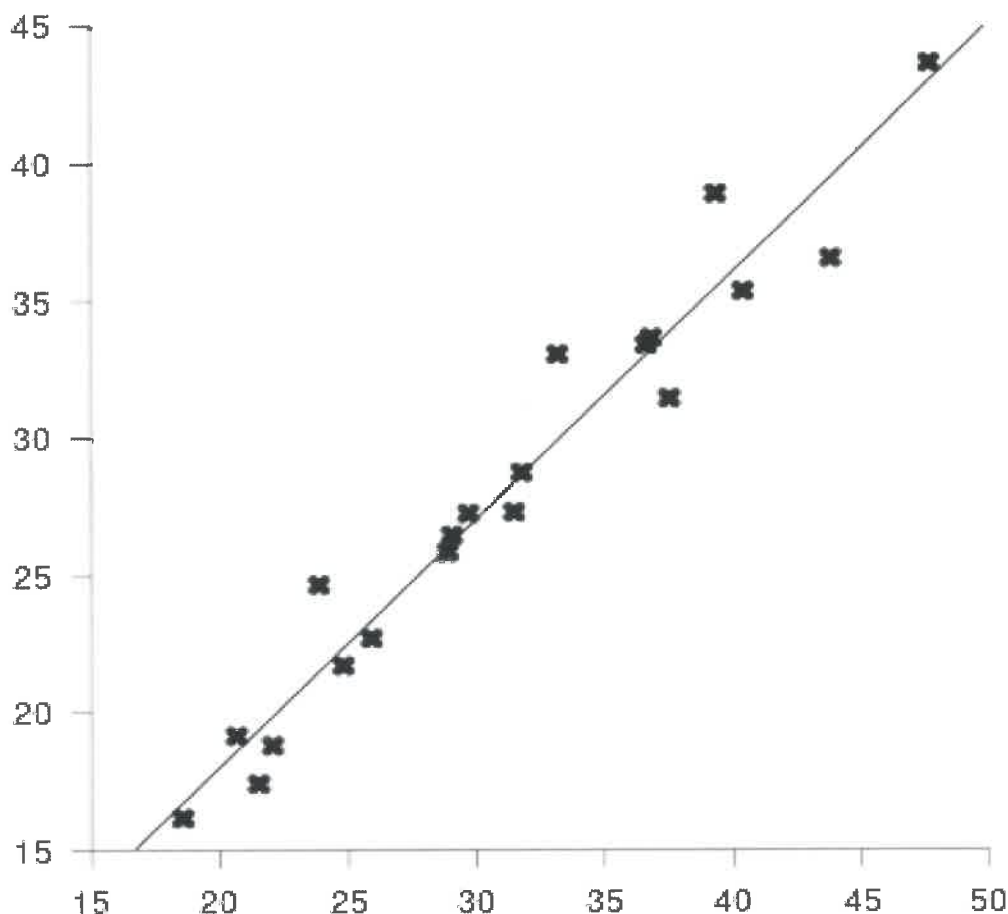
Mean x (x): 31.1875

Mean y (y): 28.1075

Intercept (a): -0.039325067037542

Slope (b): 0.90250340896313

Regression line equation: $y = 0.90250340896313x - 0.039325067037542$



Specifications for Approval/Rejection of the Results: P-LCR%

P-LCR (%)

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
	16.4	X2	MEAN	Y1	Y2	MEAN		
1	24.7	24.6	24.65	18.9	18.8	18.85	30.77%	NO
2	44.4	42.9	43.65	47.3	48.1	47.7	8.49%	OK
3	36.3	36.8	36.55	43.1	44.5	43.8	16.55%	OK
4	18.3	19.3	18.8	23.1	21	22.05	14.74%	OK
5	15.9	16.4	16.15	18.9	18.2	18.55	12.94%	OK
6	32.1	31.2	31.65	35.9	37.8	36.85	14.11%	OK
7	33.2	33.6	33.4	35.9	37.4	36.65	8.87%	OK
8	16.3	18.5	17.4	21	22	21.5	19.07%	NO
9	23.5	21.9	22.7	25.7	26.1	25.9	12.36%	OK
10	21.2	22.2	21.7	24.9	24.7	24.8	12.50%	OK
11	18.9	19.4	19.15	20.3	21	20.65	7.26%	OK
12	34.1	32	33.05	32.1	34.3	33.2	0.45%	OK
13	28.1	26.5	27.3	30.9	32.1	31.5	13.33%	OK
14	27.5	27	27.25	29.7	29.7	29.7	8.25%	OK
15	29.1	28.4	28.75	32.1	31.5	31.8	9.59%	OK
16	26.4	25.3	25.85	28.4	29.4	28.9	10.55%	OK
17	35.2	35.5	35.35	40.5	40.3	40.4	12.50%	OK
18	39	38.8	38.9	39.4	39.3	39.35	1.14%	OK
19	32.2	30.7	31.45	37.1	38	37.55	16.25%	OK
20	24	24.9	24.45	28.9	29.2	29.05	15.83%	OK
Passing Number		18	Passing Rate		90.0%	Requirement		<±18%
Conclusion		Pass						

Coefficient of Correlation ("r")
0.970729207

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.

$$"r" = 0.970$$

Sample size: 20

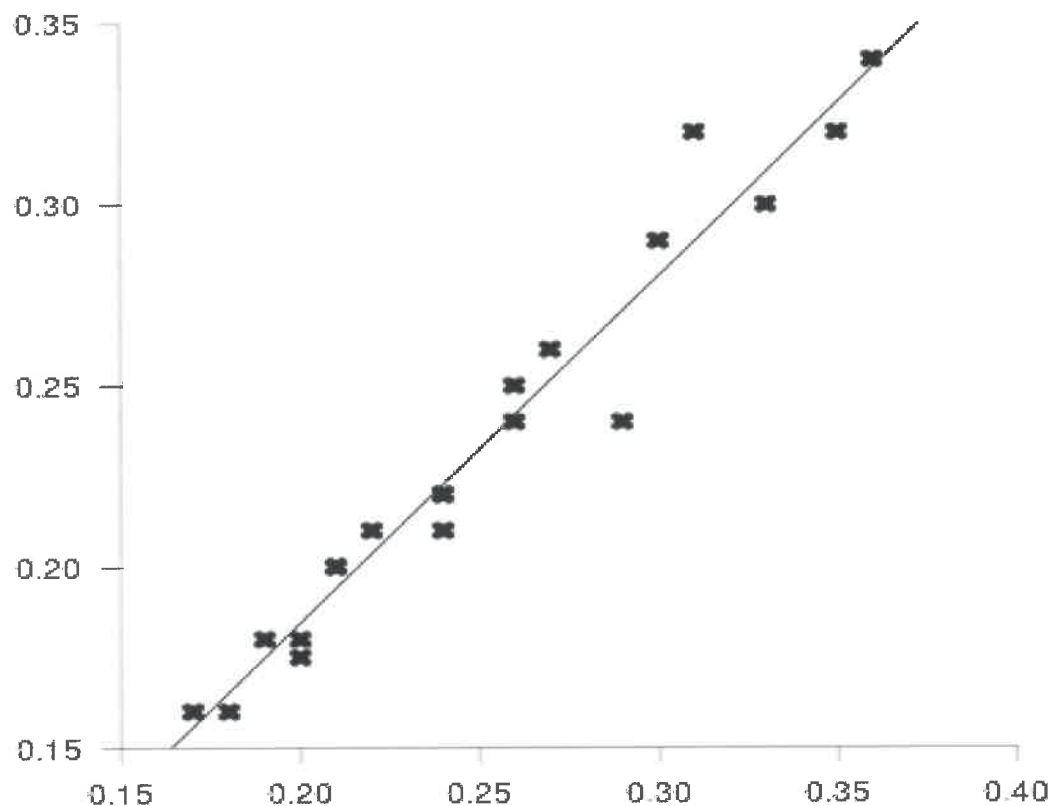
Mean x (x): 0.2515

Mean y (y): 0.23375

Intercept (a): -0.0069678977970676

Slope (b): 0.9571288182786

Regression line equation: $y = 0.9571288182786x - 0.0069678977970676$



ΠΑΣΧΩΝΗ ΦΛΩΡΑ
ΜΙΚΡΟΒΙΟΛΟΓΙΚΑ ΕΡΓΑΣΤΗΡΙΑ ΓΙΑΝΝΙΤΣΩΝ Ε.Ε.
ΚΟΜΝΗΝΩΝ 7 - ΤΣΑΛΗ ΓΙΑΝΝΙΤΣΑ Τ.Κ. 58100
Α.Φ.Μ. 801865151 - Α.Ο.Υ. ΓΙΑΝΝΙΤΣΩΝ
ΤΗΛ.: 23820 82499 - 6945433450
ΣΥΜΒΕΒΛΗΜΕΝΟΣ ΕΡΓΟΥ

ΠΑΣΧΩΝΗ ΦΛΩΡΑ

Specifications for Approval/Rejection of the Results: PCT%

PCT (%)

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
	0.18	X2	MEAN	Y1	Y2	MEAN		
1	0.34	0.34	0.34	0.31	0.32	0.315	7.94%	OK
2	0.22	0.21	0.215	0.22	0.22	0.22	2.27%	OK
3	0.24	0.25	0.245	0.27	0.27	0.27	9.26%	OK
4	0.2	0.21	0.205	0.22	0.21	0.215	4.65%	OK
5	0.18	0.18	0.18	0.2	0.2	0.2	10.00%	OK
6	0.24	0.24	0.24	0.28	0.30	0.29	17.24%	NO
7	0.21	0.22	0.215	0.25	0.24	0.245	12.24%	OK
8	0.29	0.3	0.295	0.36	0.37	0.365	19.18%	NO
9	0.25	0.25	0.25	0.26	0.26	0.26	3.85%	OK
10	0.24	0.24	0.24	0.26	0.26	0.26	7.69%	OK
11	0.18	0.17	0.175	0.2	0.2	0.2	12.50%	OK
12	0.22	0.21	0.215	0.25	0.24	0.245	12.24%	OK
13	0.17	0.16	0.165	0.18	0.18	0.18	8.33%	OK
14	0.16	0.16	0.16	0.17	0.17	0.17	5.88%	OK
15	0.18	0.18	0.18	0.19	0.19	0.19	5.26%	OK
16	0.3	0.29	0.295	0.3	0.31	0.305	3.28%	OK
17	0.32	0.32	0.32	0.35	0.35	0.35	8.57%	OK
18	0.22	0.22	0.22	0.25	0.24	0.245	10.20%	OK
19	0.2	0.19	0.195	0.21	0.21	0.21	7.14%	OK
20	0.31	0.3	0.305	0.33	0.33	0.33	7.58%	OK
Passing Number	18	Passing Rate		90.0%	Requirement		<±12.5%	
Conclusion	Pass							

Coefficient of Correlation ("r")

0.970418156

Coefficient of Correlation ("r")
0.970418156

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.

$$"r" = 0.993$$

Sample size: 21

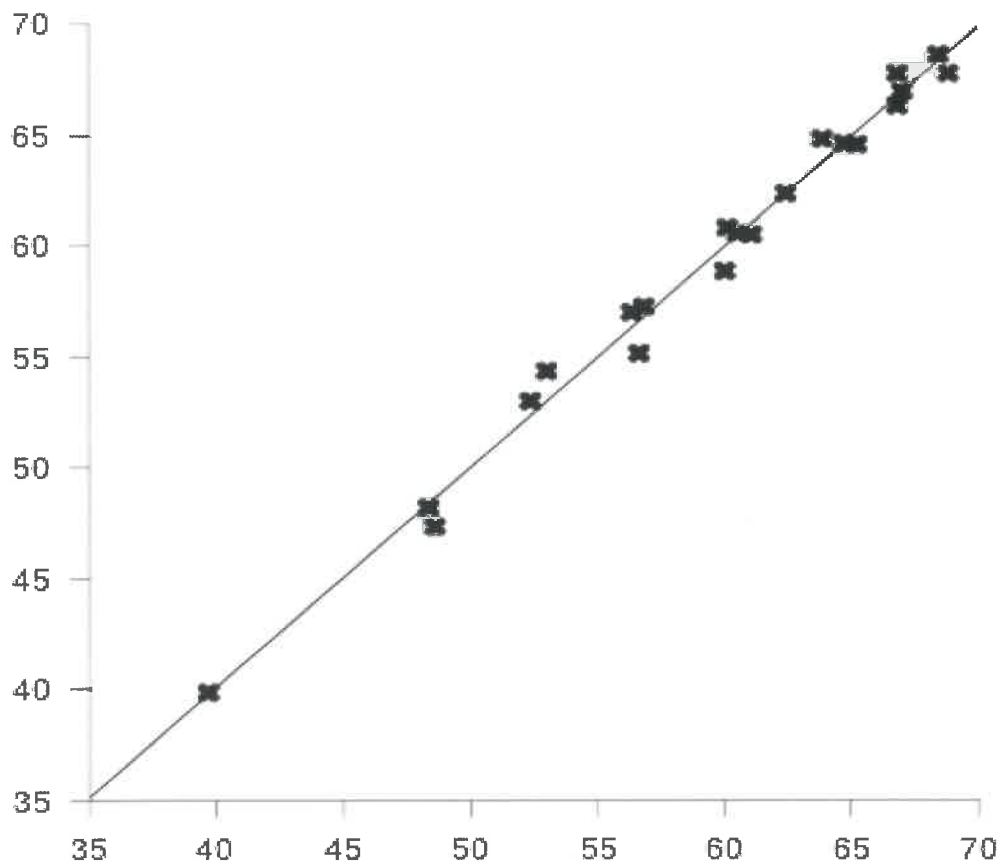
Mean x (x): 59.433333333333

Mean y (y): 59.357142857143

Intercept (a): 0.40284639071317

Slope (b): 0.9919399293286

Regression line equation: $y=0.40284639071317+0.9919399293286x$



Specifications for Approval/Rejection of the Results: NEUT%

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
	68.4	X2	MEAN	Y1	Y2	MEAN		
1	62	62.7	62.35	62.4	62.5	62.45	0.16%	OK
2	59.8	61.2	60.5	60.4	61.8	61.1	0.98%	OK
3	60.3	60.8	60.55	60.9	60.2	60.55	0.00%	OK
4	64.7	64.5	64.6	64.5	65	64.75	0.23%	OK
5	68.8	68.4	68.6	68.4	68.5	68.45	0.22%	OK
6	56.7	57.3	57	56.8	55.9	56.35	1.15%	OK
7	60.8	60.8	60.8	60.3	60	60.15	1.08%	OK
8	55	53.7	54.35	53.5	52.5	53	2.55%	OK
9	64.3	64.8	64.55	64.6	65.9	65.25	1.07%	OK
10	60.1	57.6	58.85	60.3	59.8	60.05	2.00%	OK
11	54	54	54	52.8	51.9	52.35	3.15%	OK
12	39.7	40	39.85	40	39.4	39.7	0.38%	OK
13	48.1	48.3	48.2	48.3	48.4	48.35	0.31%	OK
14	55.6	54.7	55.15	56	57.3	56.65	2.65%	OK
15	48.3	46.4	47.35	49	48.2	48.6	2.57%	OK
16	63.8	65.8	64.8	63.9	63.9	63.9	1.41%	OK
17	68	67.5	67.75	68.9	68.8	68.85	1.60%	OK
18	58.1	56.4	57.25	56.4	57.3	56.85	0.70%	OK
19	66.5	66.1	66.3	66.5	67.2	66.85	0.82%	OK
20	67.2	66.7	66.95	67.9	66.2	67.05	0.15%	OK
Passing Number		20	Passing Rate		100.0%	Requirement		<±7.5%
Conclusion		Pass						

Coefficient of Correlation ("r")

0.993722766

Coefficient of Correlation ("r")
0.993722766



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" = 0.992

Sample size: 21

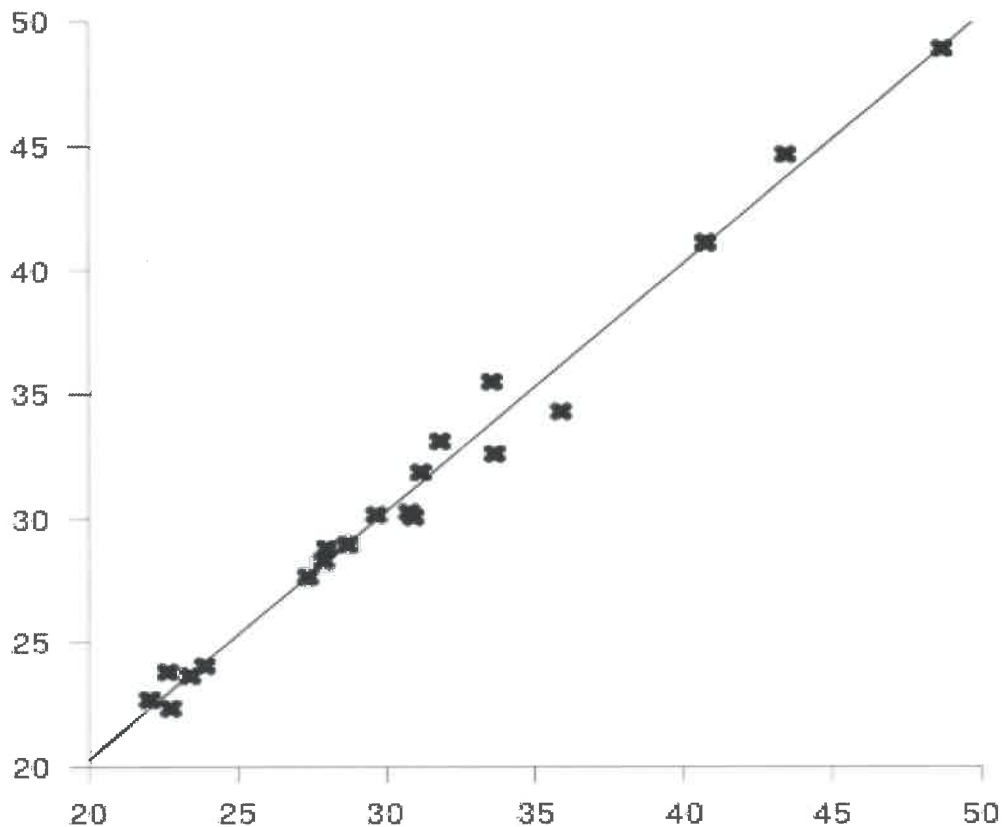
Mean x (x): 31.319047619048

Mean y (y): 31.609523809524

Intercept (a): 0.34977108395844

Slope (b): 0.99810674659704

Regression line equation: $y = 0.34977108395844 + 0.99810674659704x$



ΠΑΣΧΩΝΗ ΦΛΩΡΑ
ΜΙΚΡΟΒΙΟΛΟΓΙΚΑ ΕΡΓΑΣΤΗΡΙΑ ΠΙΑΝΝΙΤΣΩΝ Ε.Ε.
ΚΟΜΗΝΩΝ 7 - ΤΣΑΛΙ - ΠΙΑΝΝΙΤΣΑ Τ.Κ. 58100
Α.Φ.Μ. 801665154 Δ.Ο.Υ. ΠΙΑΝΝΙΤΣΩΝ
ΤΗΛ: 28420 82999 - 6945433450
ΣΥΜΒΕΒΛΗΜΕΝΟΣ ΕΟΠΥΥ



Specifications for Approval/Rejection of the Results: LYMPH%

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")
0.99288542

Coefficient of Correlation ("r"): MONO%

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

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

"r" = 0.959

Sample size: 20

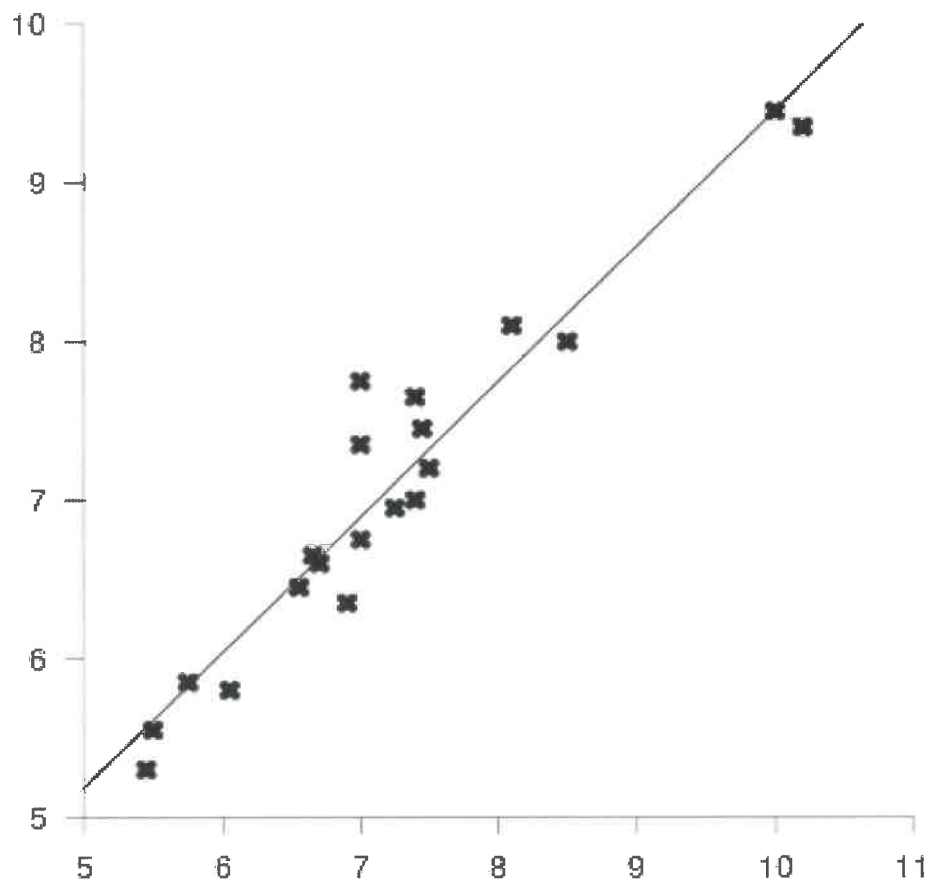
Mean x (x): 7.2175

Mean y (y): 7.0775

Intercept (a): 0.91299310104485

Slope (b): 0.85410556272326

Regression line equation: $y=0.91299310104485+0.85410556272326x$



Specifications for Approval/Rejection of the Results: MONO%

MONO(%)

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
	5.9	X2	MEAN	Y1	Y2	MEAN		
1	6.8	6.7	6.75	7.1	6.9	7	3.57%	OK
2	5.4	5.2	5.3	5.7	5.2	5.45	2.75%	OK
3	9.6	9.3	9.45	10.1	9.9	10	5.50%	OK
4	6.4	6.5	6.45	6.5	6.6	6.55	1.53%	OK
5	5.8	5.9	5.85	6	5.5	5.75	1.74%	OK
6	7.7	8.5	8.1	7.7	8.5	8.1	0.00%	OK
7	6.7	6.5	6.6	6.7	6.7	6.7	1.49%	OK
8	7.7	7.2	7.45	7.8	7.1	7.45	0.00%	OK
9	5.6	5.5	5.55	5.6	5.4	5.5	0.91%	OK
10	6.9	6.4	6.65	6.8	6.5	6.65	0.00%	OK
11	9.1	6.9	8	8.5	8.5	8.5	5.88%	OK
12	7.2	7.2	7.2	7.7	7.3	7.5	4.00%	OK
13	7.6	7.7	7.65	7.7	7.1	7.4	3.38%	OK
14	6.9	7.1	7	7.5	7.6	7.55	7.28%	OK
15	6	5.6	5.8	6.3	5.8	6.05	4.13%	OK
16	7.3	6.6	6.95	7.2	7.3	7.25	4.14%	OK
17	7.4	7.3	7.35	6.4	7.6	7	5.00%	OK
18	8.7	10	9.35	10.6	9.8	10.2	8.33%	OK
19	7.5	8	7.75	7	7	7	10.71%	OK
20	6.6	6.1	6.35	6.9	6.9	6.9	7.97%	OK
Passing Number		20	Passing Rate		100.0%	Requirement		<±30%
Conclusion		Pass						

Coefficient of Correlation ("r")
0.959760238

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.

$$“r” = 0.977$$

Sample size: 20

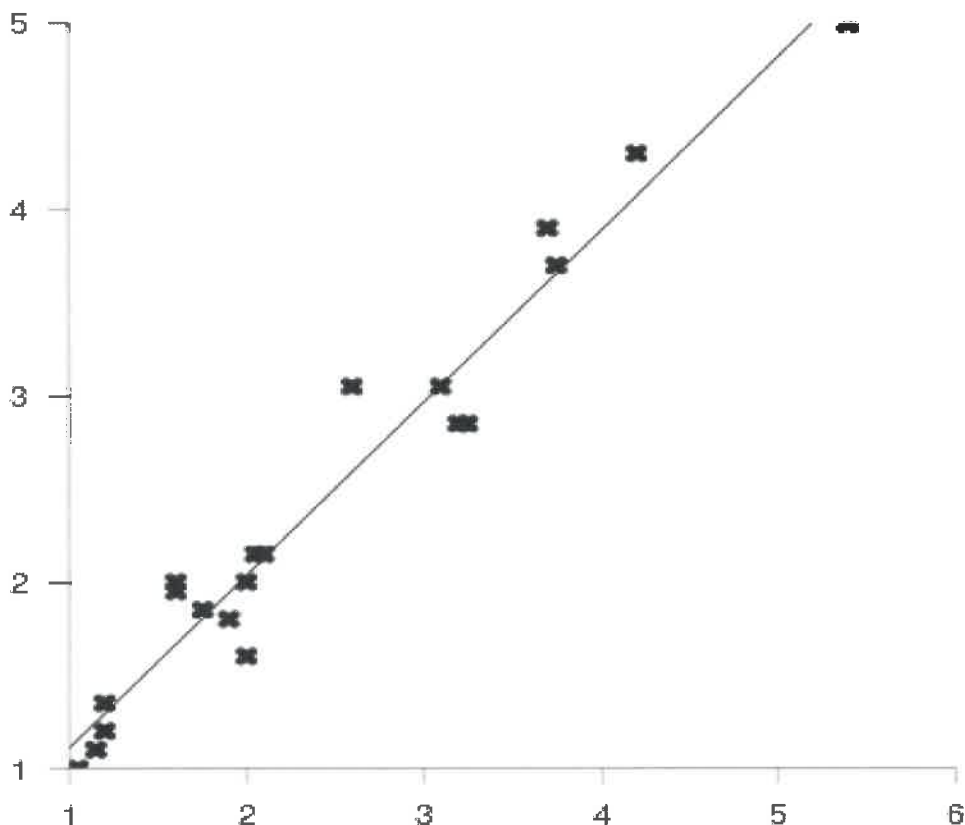
Mean x (x): 2.44

Mean y (y): 2.4425

Intercept (a): 0.18293394150893

Slope (b): 0.92605166331601

Regression line equation: $y=0.18293394150893+0.92605166331601x$



Specifications for Approval/Rejection of the Results: EO%

EO (%)		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
	1.7	X2	MEAN	Y1	Y2	MEAN		
1	1.9	1.8	1.85	1.7	1.8	1.75	5.71%	OK
2	2.2	2.1	2.15	2	2.2	2.1	2.38%	OK
3	1.4	1.3	1.35	1.2	1.2	1.2	12.50%	OK
4	1.2	1	1.1	1.2	1.1	1.15	4.35%	OK
5	1.5	1.7	1.6	2.2	1.8	2	20.00%	OK
6	4.7	3.9	4.3	4.3	4.1	4.2	2.38%	OK
7	2	2	2	2	2	2	0.00%	OK
8	4.7	5.3	5	5.4	5.4	5.4	7.41%	OK
9	1.1	0.9	1	1.1	1	1.05	4.76%	OK
10	1.1	1.3	1.2	1.3	1.1	1.2	0.00%	OK
11	3	3.1	3.05	2.6	2.6	2.6	17.31%	OK
12	3.9	3.5	3.7	3.7	3.8	3.75	1.33%	OK
13	3.1	2.6	2.85	3	3.5	3.25	12.31%	OK
14	2.2	2.1	2.15	2.1	2	2.05	4.88%	OK
15	2.1	1.9	2	1.7	1.5	1.6	25.00%	NO
16	4	3.8	3.9	3.8	3.6	3.7	5.41%	OK
17	2	1.9	1.95	1.8	1.4	1.6	21.88%	NO
18	3.2	2.9	3.05	3.1	3.1	3.1	1.61%	OK
19	1.9	1.7	1.8	2	1.8	1.9	5.26%	OK
20	2.8	2.9	2.85	3	3.4	3.2	10.94%	OK
Passing Number		18	Passing Rate		90.0%	Requirement		<±20%
Conclusion		Pass						

Coefficient of Correlation ("r")
0.977075471

Coefficient of Correlation ("r")
0.977075471

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" = 0.973

Sample size: 20

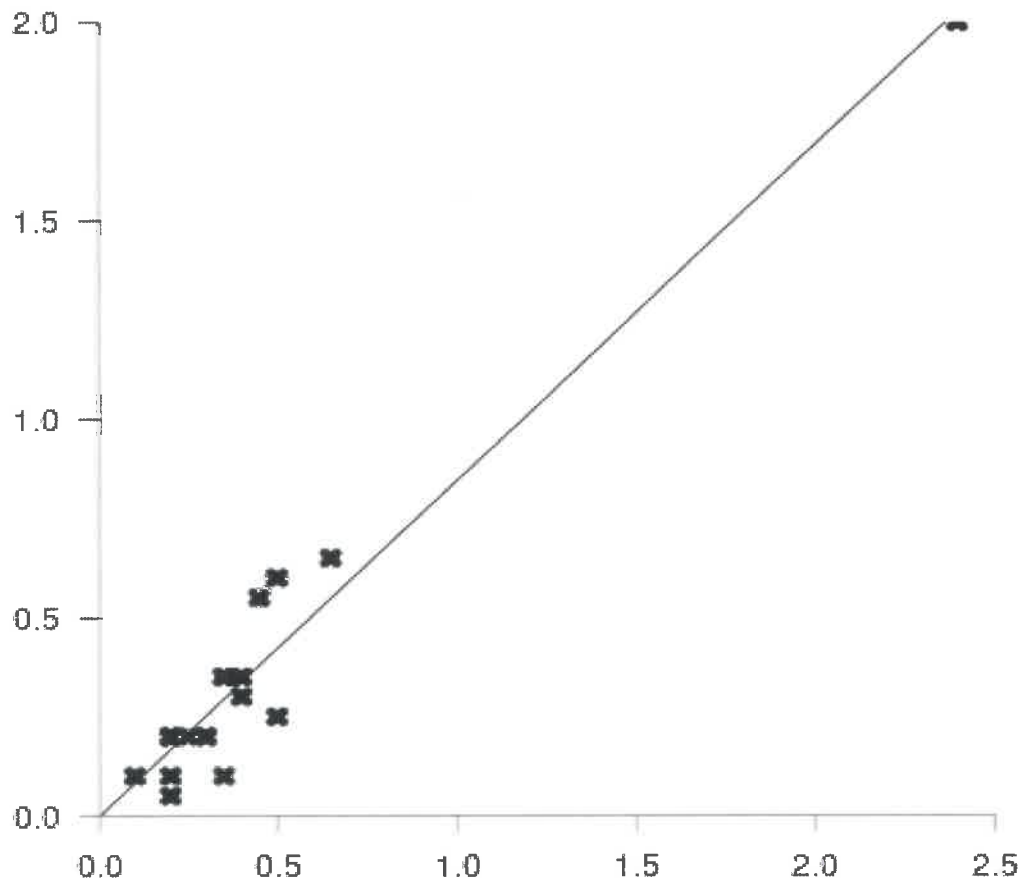
Mean x (x): 0.425

Mean y (y): 0.3575

Intercept (a): -0.0019960696238068

Slope (b): 0.84587310499719

Regression line equation: $y = 0.84587310499719x - 0.0019960696238068$



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									
BASO (%)		All Reagents from Vanguard Diagnostics			All Reagents from Sysmex as Reference		DEVIATION	JUDGE	
		0.3	X2	MEAN	Y1	Y2			MEAN
1		0.1	0.1	0.1	0.1	0.1	0.1	0.00%	OK
2		0.2	0.2	0.2	0.3	0.1	0.2	0.00%	OK
3		0.4	0.3	0.35	0.3	0.4	0.35	0.00%	OK
4		0.1	0.3	0.2	0.3	0.1	0.2	0.00%	OK
5		0.3	0.3	0.3	0.3	0.5	0.4	25.00%	OK
6		0.6	0.5	0.55	0.3	0.6	0.45	22.22%	OK
7		0.4	0.3	0.35	0.3	0.5	0.4	12.50%	OK
8		0.5	0.7	0.6	0.5	0.5	0.5	20.00%	OK
9		0.1	0.1	0.1	0.2	0.2	0.2	50.00%	NO
10		0.3	0.1	0.2	0.3	0.3	0.3	33.33%	OK
11		0.4	0.9	0.65	0.9	0.4	0.65	0.00%	OK
12		0.2	0.5	0.35	0.3	0.4	0.35	0.00%	OK
13		0.3	0.1	0.2	0.2	0.3	0.25	20.00%	OK
14		0.2	0.2	0.2	0.2	0.2	0.2	0.00%	OK
15		0.2	0.2	0.2	0.2	0.4	0.3	33.33%	OK
16		2.1	1.9	2	2.4	2.4	2.4	16.67%	OK
17		0.2	0.3	0.25	0.5	0.5	0.5	50.00%	NO
18		0.2	0.2	0.2	0.2	0.2	0.2	0.00%	OK
19		0.1	0.1	0.1	0.4	0.3	0.35	71.43%	NO
20		0	0.1	0.05	0.1	0.3	0.2	75.00%	NO
Passing Number			16	Passing Rate		80.0%	Requirement		<=40%
Conclusion			Pass						

Coefficient of Correlation ("r")

0.973010533

Coefficient of Correlation ("r")
0.973010533

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

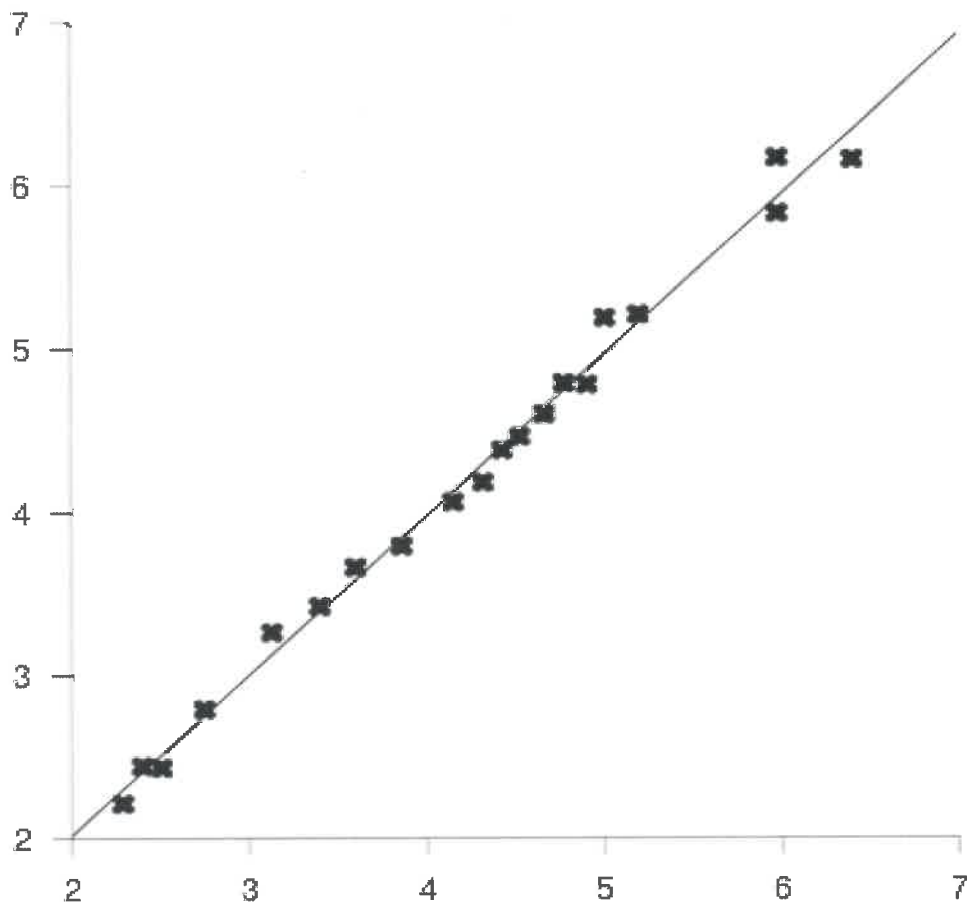
Mean x (x): 4.215

Mean y (y): 4.1905

Intercept (a): 0.04569838903736

Slope (b): 0.98334557792708

Regression line equation: $y=0.04569838903736+0.98334557792708x$



Specifications for Approval/Rejection of the Results: NEUT#

NEUT# (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

SAMPLE	All Reagents from Vanguard Diagnostics			All Reagents from Sysmex as Reference			DEVIATION	JUDGE
	4.09	X2	MEAN	Y1	Y2	MEAN		
1	4.66	4.55	4.605	4.75	4.6	4.675	1.50%	OK
2	6.04	6.28	6.16	6.26	6.54	6.4	3.75%	OK
3	4.39	4.38	4.385	4.42	4.44	4.43	1.02%	OK
4	4.84	4.73	4.785	4.87	4.95	4.91	2.55%	OK
5	4.04	4.09	4.065	4.08	4.22	4.15	2.05%	OK
6	3.62	3.69	3.655	3.54	3.67	3.605	1.39%	OK
7	6.22	6.13	6.175	6	5.97	5.985	3.17%	OK
8	3.3	3.22	3.26	3.14	3.12	3.13	4.15%	OK
9	5.84	5.83	5.835	5.9	6.07	5.985	2.51%	OK
10	4.33	4.03	4.18	4.32	4.33	4.325	3.35%	OK
11	2.48	2.41	2.445	2.42	2.38	2.4	1.88%	OK
12	3.44	3.4	3.42	3.43	3.37	3.4	0.59%	OK
13	3.74	3.85	3.795	3.91	3.82	3.865	1.81%	OK
14	2.48	2.39	2.435	2.46	2.56	2.51	2.99%	OK
15	2.27	2.15	2.21	2.35	2.24	2.295	3.70%	OK
16	5.11	5.27	5.19	5.03	5	5.015	3.49%	OK
17	4.54	4.38	4.46	4.55	4.51	4.53	1.55%	OK
18	2.89	2.69	2.79	2.76	2.75	2.755	1.27%	OK
19	4.81	4.77	4.79	4.76	4.8	4.78	0.21%	OK
20	5.33	5.1	5.215	5.18	5.22	5.2	0.29%	OK
Passing Number		20	Passing Rate		100.0%	Requirement		<±8%
Conclusion		Pass						

Coefficient of Correlation ("r")

0.99591631

Coefficient of Correlation ("r")
0.99591631

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.

$$"r" = 0.998$$

Sample size: 20

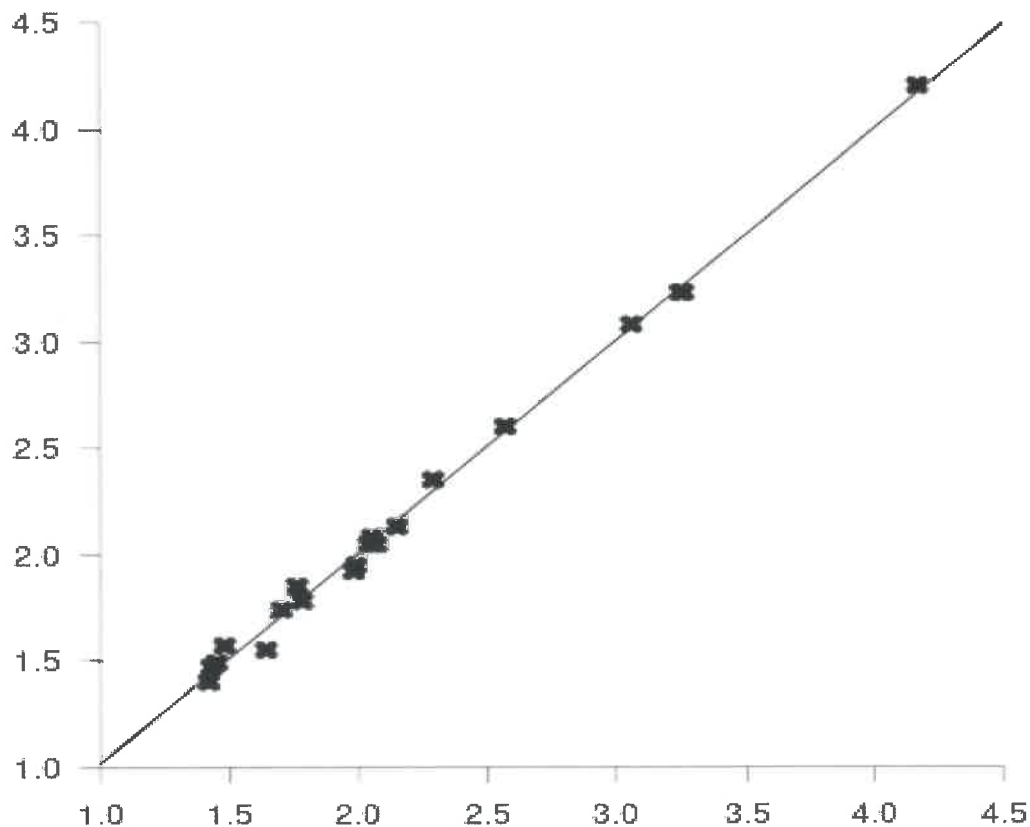
Mean x (x): 2.177

Mean y (y): 2.186

Intercept (a): 0.020762772742988

Slope (b): 0.99459679708636

Regression line equation: $y=0.020762772742988+0.99459679708636x$



Specifications for Approval/Rejection of the Results: LYMPH#

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

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 Diagnostics			All Reagents from Sysmex as Reference			DEVIATION	JUDGE
	1.42	X2	MEAN	Y1	Y2	MEAN		
1	2.19	2.08	2.135	2.19	2.11	2.15	0.70%	OK
2	3.27	3.2	3.235	3.27	3.25	3.26	0.77%	OK
3	2.06	2.04	2.05	2	2.09	2.045	0.24%	OK
4	2.07	2.03	2.05	2.07	2.07	2.07	0.97%	OK
5	1.39	1.42	1.405	1.38	1.46	1.42	1.06%	OK
6	1.93	1.92	1.925	1.93	2.03	1.98	2.78%	OK
7	3.09	3.07	3.08	3.05	3.07	3.06	0.65%	OK
8	1.92	1.98	1.95	1.93	2.05	1.99	2.01%	OK
9	2.62	2.59	2.605	2.6	2.54	2.57	1.36%	OK
10	2.28	2.42	2.35	2.24	2.34	2.29	2.62%	OK
11	1.54	1.57	1.555	1.61	1.68	1.645	5.47%	OK
12	4.26	4.15	4.205	4.15	4.19	4.17	0.84%	OK
13	3.18	3.29	3.235	3.3	3.21	3.255	0.61%	OK
14	1.57	1.57	1.57	1.50	1.47	1.485	5.72%	OK
15	2.04	2.13	2.085	2.05	2.05	2.05	1.71%	OK
16	1.82	1.75	1.785	1.79	1.78	1.785	0.00%	OK
17	1.49	1.49	1.49	1.48	1.42	1.45	2.76%	OK
18	1.48	1.46	1.47	1.45	1.42	1.435	2.44%	OK
19	1.74	1.74	1.74	1.72	1.69	1.705	2.05%	OK
20	1.85	1.85	1.85	1.69	1.83	1.76	5.11%	OK
Passing Number		20	Passing Rate		100.0%	Requirement		≤±8%
Conclusion		Pass						

Coefficient of Correlation ("r")
0.99810561

Coefficient of Correlation ("r"): MONO#

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

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

$$"r" = 0.976$$

Sample size: 20

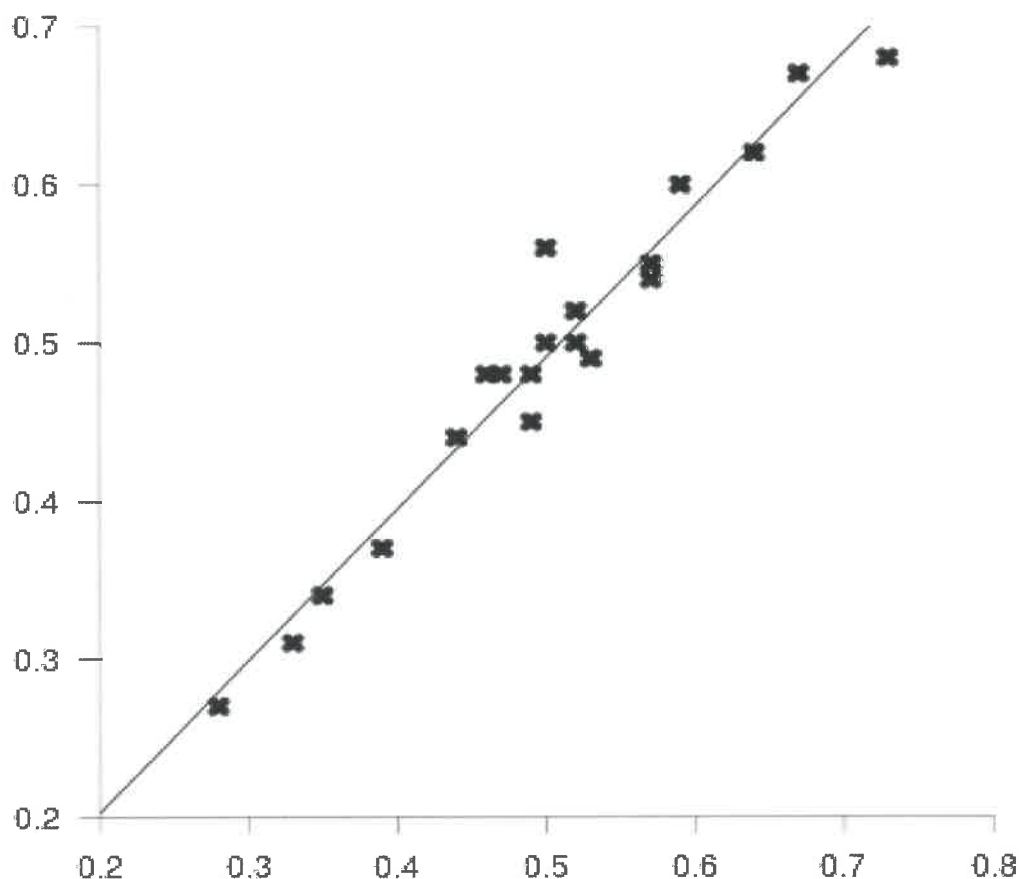
Mean x (x): 0.502

Mean y (y): 0.4925

Intercept (a): 0.010276012044159

Slope (b): 0.96060555369689

Regression line equation: $y = 0.010276012044159 + 0.96060555369689x$



Specifications for Approval/Rejection of the Results: MONO#

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

MONO# (10³/μl)

SAMPLE	All Reagents from Vanguard Diagnostics			All Reagents from Sysmex as Reference			DEVIATION	JUDGE
	X1	X2	MEAN	Y1	Y2	MEAN		
1	0.51	0.49	0.5	0.54	0.51	0.525	4.76%	OK
2	0.55	0.53	0.54	0.59	0.55	0.57	5.26%	OK
3	0.7	0.67	0.685	0.73	0.73	0.73	6.16%	OK
4	0.48	0.48	0.48	0.49	0.5	0.495	3.03%	OK
5	0.34	0.35	0.345	0.36	0.34	0.35	1.43%	OK
6	0.49	0.55	0.52	0.48	0.56	0.52	0.00%	OK
7	0.69	0.66	0.675	0.67	0.67	0.67	0.75%	OK
8	0.46	0.43	0.445	0.46	0.42	0.44	1.14%	OK
9	0.51	0.5	0.505	0.51	0.5	0.505	0.00%	OK
10	0.5	0.45	0.475	0.49	0.47	0.48	1.04%	OK
11	0.42	0.31	0.365	0.39	0.39	0.39	6.41%	OK
12	0.63	0.61	0.62	0.66	0.62	0.64	3.13%	OK
13	0.59	0.61	0.6	0.62	0.56	0.59	1.69%	OK
14	0.31	0.31	0.31	0.33	0.34	0.335	7.46%	OK
15	0.28	0.26	0.27	0.3	0.27	0.285	5.26%	OK
16	0.58	0.53	0.555	0.57	0.57	0.57	2.63%	OK
17	0.49	0.47	0.48	0.42	0.5	0.46	4.35%	OK
18	0.43	0.48	0.455	0.52	0.47	0.495	8.08%	OK
19	0.54	0.58	0.56	0.5	0.5	0.5	12.00%	OK
20	0.52	0.47	0.495	0.53	0.54	0.535	7.48%	OK
Passing Number	20		Passing Rate	100.0%		Requirement	<±30%	
Conclusion	Pass							

Coefficient of Correlation ("r")

0.97668162

Coefficient of Correlation ("r")
0.97668162

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.

$$"r" = 0.984$$

Sample size: 20

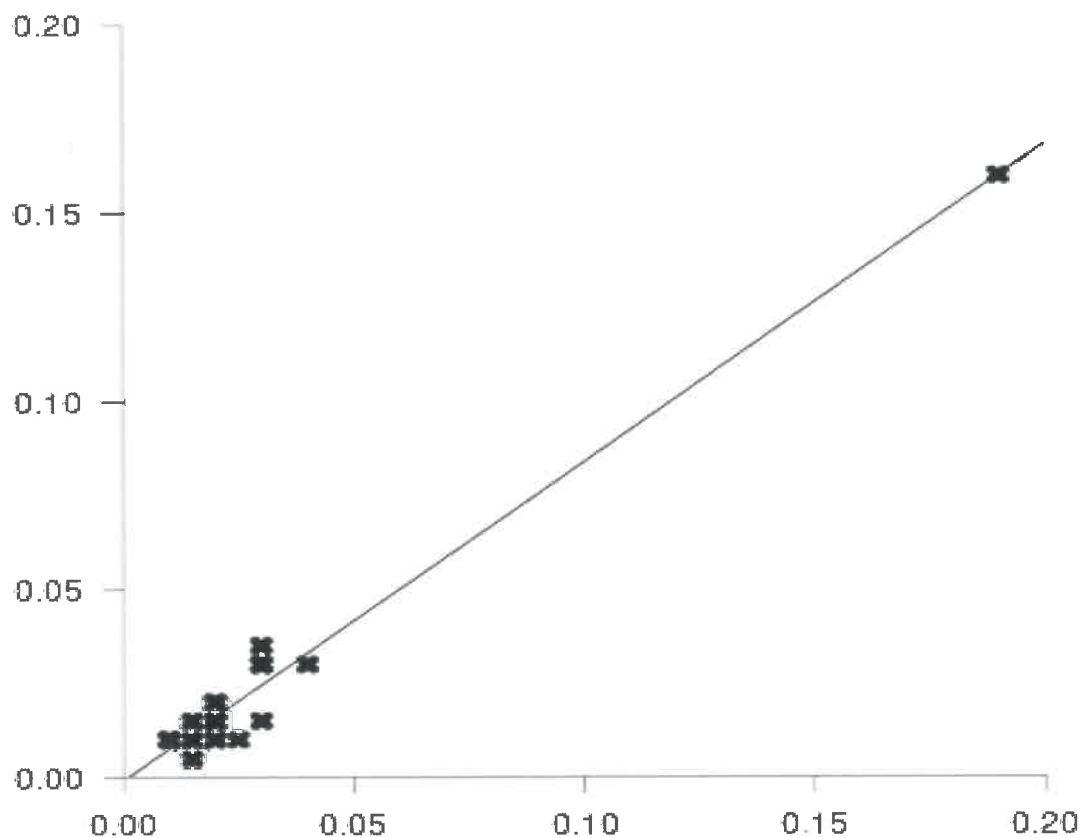
Mean x (x): 0.03

Mean y (y): 0.0245

Intercept (a): -0.00092553191489362

Slope (b): 0.84751773049645

Regression line equation: $y = 0.84751773049645x - 0.00092553191489362$



Specifications for Approval/Rejection of the Results: BASO#

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

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 Diagnostics			All Reagents from Sysmex as Reference			DEVIATION	JUDGE
	X1	X2	MEAN	Y1	Y2	MEAN		
1	0.01	0.01	0.01	0.01	0.01	0.01	0.00%	OK
2	0.02	0.02	0.02	0.03	0.01	0.02	0.00%	OK
3	0.03	0.02	0.025	0.02	0.03	0.025	0.00%	OK
4	0.01	0.02	0.015	0.02	0.01	0.015	0.00%	OK
5	0.02	0.02	0.02	0.02	0.03	0.025	20.00%	OK
6	0.04	0.03	0.035	0.02	0.04	0.03	16.67%	OK
7	0.04	0.02	0.03	0.03	0.05	0.04	25.00%	OK
8	0.03	0.04	0.035	0.03	0.03	0.03	16.67%	OK
9	0.01	0.01	0.01	0.02	0.02	0.02	50.00%	NO
10	0.02	0.01	0.015	0.02	0.02	0.02	25.00%	OK
11	0.02	0.04	0.03	0.04	0.02	0.03	0.00%	OK
12	0.02	0.04	0.03	0.03	0.03	0.03	0.00%	OK
13	0.02	0.01	0.015	0.02	0.02	0.02	25.00%	OK
14	0.01	0.01	0.01	0.01	0.01	0.01	0.00%	OK
15	0.01	0.01	0.01	0.01	0.02	0.015	33.33%	OK
16	0.17	0.15	0.16	0.19	0.19	0.19	15.79%	OK
17	0.01	0.02	0.015	0.03	0.03	0.03	50.00%	NO
18	0.01	0.01	0.01	0.01	0.01	0.01	0.00%	OK
19	0.01	0.01	0.01	0.03	0.02	0.025	60.00%	NO
20	0	0.01	0.005	0.01	0.02	0.015	66.67%	NO
Passing Number		16	Passing Rate		80.0%	Requirement		<±40%
Conclusion		Pass						

Coefficient of Correlation ("r")
0.984484979

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.

$$"r" = 0.982$$

Sample size: 20

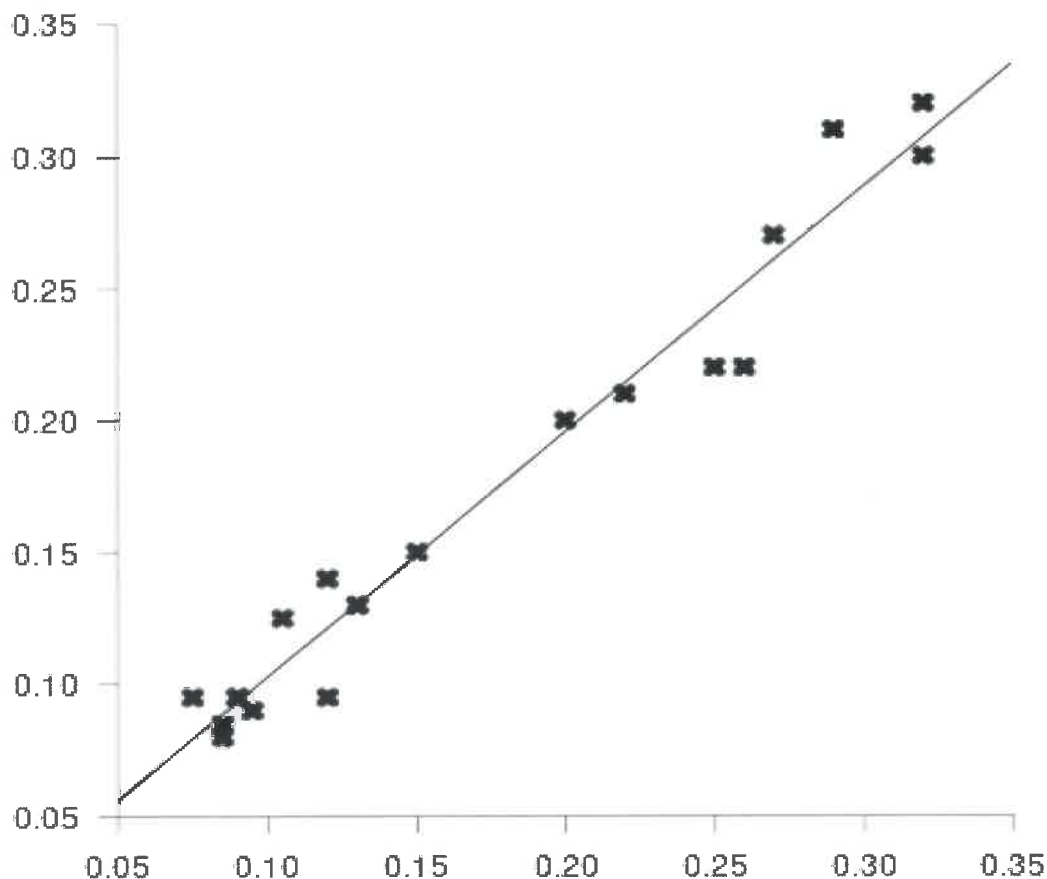
Mean x (x): 0.17025

Mean y (y): 0.168

Intercept (a): 0.0097838829773191

Slope (b): 0.92931639954585

Regression line equation: $y=0.0097838829773191+0.92931639954585x$



ΠΑΣΧΩΝΗ ΦΛΩΡΑ
ΜΙΚΡΟΒΙΟΛΟΓΙΚΑ ΕΡΓΑΣΤΗΡΙΑ ΓΙΑΝΝΙΤΣΩΝ Ε.Ε.
ΚΟΜΝΗΝΩΝ 7 - ΤΣΑΛΙ - ΓΙΑΝΝΙΤΣΑ Τ.Κ. 58100
Α.Φ.Μ. 801665157 Δ.Ο.Υ. ΓΙΑΝΝΙΤΣΩΝ
ΤΗΛ.: 23820 84999 - 6945433450
ΣΥΜΒΕΒΛΗΜΕΝΟΣ ΕΟΠΥΥ

Specifications for Approval/Rejection of the Results: EO#

EO# (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						
		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	0.14	0.13	0.135	0.13	0.13	0.13	3.85%	OK
2	0.22	0.21	0.215	0.21	0.23	0.22	2.27%	OK
3	0.1	0.09	0.095	0.09	0.09	0.09	5.56%	OK
4	0.09	0.07	0.08	0.09	0.08	0.085	5.88%	OK
5	0.09	0.1	0.095	0.13	0.11	0.12	20.83%	NO
6	0.3	0.25	0.275	0.27	0.27	0.27	1.85%	OK
7	0.21	0.2	0.205	0.2	0.2	0.2	2.50%	OK
8	0.28	0.32	0.3	0.32	0.32	0.32	6.25%	OK
9	0.1	0.08	0.09	0.1	0.09	0.095	5.26%	OK
10	0.08	0.09	0.085	0.09	0.08	0.085	0.00%	OK
11	0.14	0.14	0.14	0.12	0.12	0.12	16.67%	OK
12	0.34	0.3	0.32	0.32	0.32	0.32	0.00%	OK
13	0.24	0.21	0.225	0.24	0.28	0.26	13.46%	OK
14	0.1	0.09	0.095	0.09	0.09	0.09	5.56%	OK
15	0.1	0.09	0.095	0.08	0.07	0.075	26.67%	NO
16	0.32	0.3	0.31	0.3	0.28	0.29	6.90%	OK
17	0.13	0.12	0.125	0.12	0.09	0.105	19.05%	OK
18	0.16	0.14	0.15	0.15	0.15	0.15	0.00%	OK
19	0.14	0.12	0.13	0.14	0.13	0.135	3.70%	OK
20	0.22	0.22	0.22	0.23	0.27	0.25	12.00%	OK
Passing Number		18	Passing Rate		90.0%	Requirement		≤±20%
Conclusion		Pass						

Coefficient of Correlation ("r")
0.982681151

Coefficient of Correlation ("r")
0.982681151

Single Run Sample Comparison

Raw Data for “r”

ΠΑΣΧΩΝΗ ΦΛΩΡΑ
ΜΙΚΡΟΒΙΟΛΟΓΙΚΑ ΕΡΓΑΣΤΗΡΙΑ ΓΙΑΝΝΙΤΣΩΝ Ε.Ε.
ΚΟΜΝΗΝΩΝ 7 - ΤΣΑΛΑ - ΓΙΑΝΝΙΤΣΑ Τ.Κ. 58100
Α.Φ.Μ. 801665154 - Δ.Ο.Υ. ΓΙΑΝΝΙΤΣΩΝ
ΤΗΛ.: 23220 82999 - 6945433450
ΣΥΜΒΕΒΛΗΜΕΝΟΣ ΕΟΠΥΥ

ΠΑΣΧΩΝΗ ΦΛΩΡΑ

Sample-1		
Parameters	All Reagents from Vanguard Diagnostics	All Reagents from Sysmex as Reference
WBC ($10^3/\mu\text{l}$)	7.51	7.62
RBC ($10^6/\mu\text{l}$)	4.43	4.48
HGB (g/dl)	13.6	13.6
HCT (%)	40.6	40
MCV (fL)	91.6	89.3
MCH (pg)	30.7	30.4
MCHC (g/dl)	33.5	34
RDW-SD (fL)	46.4	44.1
RDW-CV(%)	14.2	13.8
PLT ($10^3/\mu\text{l}$)	336	336
MPV (fL)	10.1	9.2
PCT (%)	.034	0.31
PDW (fL)	11.3	9.8
P-LCR (%)	24.7	18.9
NEUT# ($10^3/\mu\text{l}$)	4.66	4.75
LYMPH# ($10^3/\mu\text{l}$)	2.19	2.19
MONO# ($10^3/\mu\text{l}$)	0.51	0.54
EO# ($10^3/\mu\text{l}$)	0.14	0.13
BASO# ($10^3/\mu\text{l}$)	0.01	0.01
NEUT (%)	62	62.4
LYMPH (%)	29.2	28.7
MONO (%)	6.8	7.1
EO (%)	1.9	1.7
BASO (%)	0.1	.01

mple-2		
Parameters	All Reagents from Vanguard Diagnostics	All Reagents from Sysmex as Reference
WBC (10 ³ /μl)	10.10	10.36
RBC (10 ⁶ /μl)	4.8	4.77
HGB (g/dl)	15.1	14.9
HCT (%)	43.6	43
MCV (fL)	90.8	90.1
MCH (pg)	31.5	31.2
MCHC (g/dl)	34.6	34.7
RDW-SD (fL)	41.7	42.3
RDW-CV(%)	12.9	13
PLT (10 ³ /μl)	173	174
MPV (fL)	12.6	12.8
PCT (%)	0.22	0.22
PDW (fL)	16.9	18.2
P-LCR (%)	44.4	47.3
NEUT# (10 ³ /μl)	6.04	6.26
LYMPH# (10 ³ /μl)	3.27	3.27
MONO# (10 ³ /μl)	0.55	0.59
EO# (10 ³ /μl)	0.22	0.21
BASO# (10 ³ /μl)	0.02	0.03
NEUT (%)	59.8	60.4
LYMPH (%)	32.4	31.6
MONO (%)	5.4	5.7
EO (%)	2.2	2.0
BASO (%)	0.2	0.3

Sample-3		
Parameters	All Reagents from Vanguard Diagnostics	All Reagents from Sysmex as Reference
WBC ($10^3/\mu\text{l}$)	7.28	7.26
RBC ($10^6/\mu\text{l}$)	4.51	4.51
HGB (g/dl)	14.1	14
HCT (%)	39.5	39.3
MCV (fL)	87.6	87.1
MCH (pg)	31.3	31
MCHC (g/dl)	35.7	35.6
RDW-SD (fL)	41	41.41
RDW-CV(%)	13.3	13.4
PLT ($10^3/\mu\text{l}$)	209	224
MPV (fL)	11.5	12.3
PCT (%)	0.24	0.27
PDW (fL)	15.7	16.3
P-LCR (%)	36.3	43.1
NEUT# ($10^3/\mu\text{l}$)	4.39	4.42
LYMPH# ($10^3/\mu\text{l}$)	2.06	2
MONO# ($10^3/\mu\text{l}$)	0.7	0.73
EO# ($10^3/\mu\text{l}$)	0.1	0.09
BASO# ($10^3/\mu\text{l}$)	0.03	0.02
NEUT (%)	60.3	60.9
LYMPH (%)	28.3	27.5
MONO (%)	9.6	10.1
EO (%)	1.4	1.2
BASO (%)	0.4	0.3

Sample-4		
Parameters	All Reagents from Vanguard Diagnostics	All Reagents from Sysmex as Reference
WBC ($10^3/\mu\text{l}$)	7.49	7.54
RBC ($10^6/\mu\text{l}$)	4.32	4.38
HGB (g/dl)	13.8	13.6
HCT (%)	40.6	40.8
MCV (fL)	94	93.2
MCH (pg)	31.9	31.1
MCHC (g/dl)	34	33.3
RDW-SD (fL)	47.2	48
RDW-CV(%)	14.3	14.5
PLT ($10^3/\mu\text{l}$)	218	219
MPV (fL)	9.3	9.8
PCT (%)	0.2	0.22
PDW (fL)	9.6	10.6
P-LCR (%)	18.3	23.1
NEUT# ($10^3/\mu\text{l}$)	4.84	4.87
LYMPH# ($10^3/\mu\text{l}$)	2.07	2.07
MONO# ($10^3/\mu\text{l}$)	0.48	0.49
EO# ($10^3/\mu\text{l}$)	0.09	0.09
BASO# ($10^3/\mu\text{l}$)	0.01	0.02
NEUT (%)	64.7	64.5
LYMPH (%)	27.6	27.5
MONO (%)	6.4	6.5
EO (%)	1.2	1.2
BASO (%)	0.1	0.3

ample-5		
Parameters	All Reagents from Vanguard Diagnostics	All Reagents from Sysmex as Reference
WBC ($10^3/\mu\text{l}$)	5.88	5.97
RBC ($10^6/\mu\text{l}$)	4.98	5.04
HGB (g/dl)	16.8	16.6
HCT (%)	45.2	45.6
MCV (fL)	90.8	90.5
MCH (pg)	33.7	32.9
MCHC (g/dl)	37.2	36.4
RDW-SD (fL)	41	41.7
RDW-CV(%)	12.7	12.9
PLT ($10^3/\mu\text{l}$)	203	216
MPV (fL)	8.8	9.3
PCT (%)	0.18	0.20
PDW (fL)	9.5	9.9
P-LCR (%)	15.9	18.9
NEUT# ($10^3/\mu\text{l}$)	4.04	4.08
LYMPH# ($10^3/\mu\text{l}$)	1.39	1.38
MONO# ($10^3/\mu\text{l}$)	0.34	0.36
EO# ($10^3/\mu\text{l}$)	0.09	0.13
BASO# ($10^3/\mu\text{l}$)	0.02	0.02
NEUT (%)	68.8	68.4
LYMPH (%)	23.6	23.1
MONO (%)	5.8	6
EO (%)	1.5	2.2
BASO (%)	0.3	0.3

Sample-6		
Parameters	All Reagents from Vanguard Diagnostics	All Reagents from Sysmex as Reference
WBC ($10^3/\mu\text{l}$)	6.38	6.24
RBC ($10^6/\mu\text{l}$)	4.75	4.78
HGB (g/dl)	14.7	14.6
HCT (%)	45.9	45
MCV (fL)	96.6	94.1
MCH (pg)	30.9	30.5
MCHC (g/dl)	32	32.4
RDW-SD (fL)	49	46
RDW-CV(%)	14.3	13.9
PLT ($10^3/\mu\text{l}$)	221	247
MPV (fL)	11.1	11.5
PCT (%)	0.24	0.28
PDW (fL)	13	14.1
P-LCR (%)	32.1	35.9
NEUT# ($10^3/\mu\text{l}$)	3.62	3.54
LYMPH# ($10^3/\mu\text{l}$)	1.93	1.93
MONO# ($10^3/\mu\text{l}$)	0.49	0.48
EO# ($10^3/\mu\text{l}$)	0.3	0.2
BASO# ($10^3/\mu\text{l}$)	0.04	0.02
NEUT (%)	56.7	56.8
LYMPH (%)	30.3	30.9
MONO (%)	7.7	7.7
EO (%)	4.7	4.3
BASO (%)	0.6	0.3

Sample-7		
Parameters	All Reagents from Vanguard Diagnostics	All Reagents from Sysmex as Reference
WBC ($10^3/\mu\text{l}$)	10.25	9.95
RBC ($10^6/\mu\text{l}$)	5.07	5.13
HGB (g/dl)	16	15.9
HCT (%)	47.6	46.8
MCV (fL)	93.9	91.2
MCH (pg)	31.6	31
MCHC (g/dl)	33.6	34
RDW-SD (fL)	44.4	43.2
RDW-CV(%)	13.5	13.2
PLT ($10^3/\mu\text{l}$)	190	218
MPV (fL)	11.1	11.5
PCT (%)	0.21	0.25
PDW (fL)	13.5	13.3
P-LCR (%)	33.2	35.9
NEUT# ($10^3/\mu\text{l}$)	6.22	6
LYMPH# ($10^3/\mu\text{l}$)	3.09	3.05
MONO# ($10^3/\mu\text{l}$)	0.69	0.67
EO# ($10^3/\mu\text{l}$)	0.21	0.32
BASO# ($10^3/\mu\text{l}$)	0.04	0.03
NEUT (%)	60.8	60.3
LYMPH (%)	30.1	30.7
MONO (%)	6.7	6.7
EO (%)	2	2
BASO (%)	0.4	0.3

Sample-8		
Parameters	All Reagents from Vanguard Diagnostics	All Reagents from Sysmex as Reference
WBC (10 ³ /μl)	5.99	5.88
RBC (10 ⁶ /μl)	4.88	5.02
HGB (g/dl)	14.9	15
HCT (%)	45	44.6
MCV (fL)	92.2	88.8
MCH (pg)	30.5	29.9
MCHC (g/dl)	33.1	33.6
RDW-SD (fL)	44.7	41.5
RDW-CV(%)	13.6	13
PLT (10 ³ /μl)	317	371
MPV (fL)	9.1	9.6
PCT (%)	0.29	0.36
PDW (fL)	9.1	10.2
P-LCR (%)	16.3	21
NEUT# (10 ³ /μl)	3.3	3.14
LYMPH# (10 ³ /μl)	1.92	1.93
MONO# (10 ³ /μl)	0.46	0.46
EO# (10 ³ /μl)	0.28	0.32
BASO# (10 ³ /μl)	0.03	0.03
NEUT (%)	55	53.5
LYMPH (%)	32.1	32.8
MONO (%)	7.7	7.8
EO (%)	4.7	5.4
BASO (%)	0.5	0.5

Sample-9		
Parameters	All Reagents from Vanguard Diagnostics	All Reagents from Sysmex as Reference
WBC ($10^3/\mu\text{l}$)	9.08	9.13
RBC ($10^6/\mu\text{l}$)	4.54	4.53
HGB (g/dl)	14	14
HCT (%)	41.3	41.2
MCV (fL)	91	90.9
MCH (pg)	30.8	30.9
MCHC (g/dl)	33.9	34
RDW-SD (fL)	43.4	43.7
RDW-CV(%)	13.5	13.7
PLT ($10^3/\mu\text{l}$)	254	253
MPV (fL)	9.7	10.2
PCT (%)	0.25	0.26
PDW (fL)	10.8	11.2
P-LCR (%)	23.5	25.7
NEUT# ($10^3/\mu\text{l}$)	5.84	5.9
LYMPH# ($10^3/\mu\text{l}$)	2.62	2.6
MONO# ($10^3/\mu\text{l}$)	0.51	0.51
EO# ($10^3/\mu\text{l}$)	0.1	0.1
BASO# ($10^3/\mu\text{l}$)	0.01	0.02
NEUT (%)	64.3	64.6
LYMPH (%)	28.9	28.5
MONO (%)	5.6	5.6
EO (%)	1.1	1.1
BASO (%)	0.1	0.2

Sample-10		
Parameters	All Reagents from Vanguard Diagnostics	All Reagents from Sysmex as Reference
WBC ($10^3/\mu\text{l}$)	7.21	7.16
RBC ($10^6/\mu\text{l}$)	4.33	4.36
HGB (g/dl)	14.3	14.3
HCT (%)	41.1	40.9
MCV (fL)	94.9	93.8
MCH (pg)	33	32.8
MCHC (g/dl)	34.8	35
RDW-SD (fL)	44.6	44.8
RDW-CV(%)	13.4	13.6
PLT ($10^3/\mu\text{l}$)	253	260
MPV (fL)	9.5	10.1
PCT (%)	0.24	0.26
PDW (fL)	10.4	11.2
P-LCR (%)	21.2	24.9
NEUT# ($10^3/\mu\text{l}$)	4.33	4.32
LYMPH# ($10^3/\mu\text{l}$)	2.28	2.24
MONO# ($10^3/\mu\text{l}$)	0.5	0.49
EO# ($10^3/\mu\text{l}$)	0.08	0.09
BASO# ($10^3/\mu\text{l}$)	0.02	0.02
NEUT (%)	60.1	60.3
LYMPH (%)	31.6	31.3
MONO (%)	6.9	6.8
EO (%)	1.1	1.3
BASO (%)	0.3	0.3

ample-11		
Parameters	All Reagents from Vanguard Diagnostics	All Reagents from Sysmex as Reference
WBC ($10^3/\mu\text{l}$)	4.6	4.58
RBC ($10^6/\mu\text{l}$)	5.15	5.22
HGB (g/dl)	14.8	14.8
HCT (%)	43.6	42.8
MCV (fL)	84.7	82
MCH (pg)	28.7	28.4
MCHC (g/dl)	33.9	34.6
RDW-SD (fL)	44	42
RDW-CV(%)	14.8	14.2
PLT ($10^3/\mu\text{l}$)	196	214
MPV (fL)	9.1	9.4
PCT (%)	0.18	0.2
PDW (fL)	10.3	10.5
P-LCR (%)	18.9	20.3
NEUT# ($10^3/\mu\text{l}$)	2.48	2.42
LYMPH# ($10^3/\mu\text{l}$)	1.54	1.61
MONO# ($10^3/\mu\text{l}$)	0.42	0.39
EO# ($10^3/\mu\text{l}$)	0.14	0.12
BASO# ($10^3/\mu\text{l}$)	0.02	0.04
NEUT (%)	54	52.8
LYMPH (%)	33.5	35.2
MONO (%)	9.1	8.5
EO (%)	3	2.6
BASO (%)	0.4	0.9



Sample-12		
Parameters	All Reagents from Vanguard Diagnostics	All Reagents from Sysmex as Reference
WBC (10 ³ /μl)	8.69	8.59
RBC (10 ⁶ /μl)	4.78	4.85
HGB (g/dl)	14.6	14.4
HCT (%)	45.3	44.6
MCV (fL)	94.8	92
MCH (pg)	30.5	29.7
MCHC (g/dl)	32.2	32.3
RDW-SD (fL)	47.7	46.4
RDW-CV(%)	14.3	14.1
PLT (10 ³ /μl)	200	227
MPV (fL)	11.2	11
PCT (%)	0.22	0.25
PDW (fL)	13.1	13.3
P-LCR (%)	34.1	32.1
NEUT# (10 ³ /μl)	3.44	3.43
LYMPH# (10 ³ /μl)	4.26	4.15
MONO# (10 ³ /μl)	0.63	0.66
EO# (10 ³ /μl)	0.34	0.32
BASO# (10 ³ /μl)	0.02	0.03
NEUT (%)	39.7	40
LYMPH (%)	49	48.3
MONO (%)	7.2	7.7
EO (%)	3.9	3.7
BASO (%)	0	0.1



Sample-13		
Parameters	All Reagents from Vanguard Diagnostics	All Reagents from Sysmex as Reference
WBC ($10^3/\mu\text{l}$)	7.77	8.09
RBC ($10^6/\mu\text{l}$)	5.15	5.15
HGB (g/dl)	15.7	15.6
HCT (%)	45.3	44.9
MCV (fL)	88	87.2
MCH (pg)	30.5	30.3
MCHC (g/dl)	34.7	34.7
RDW-SD (fL)	41.4	41.2
RDW-CV(%)	13.3	13.2
PLT ($10^3/\mu\text{l}$)	166	164
MPV (fL)	10.4	10.8
PCT (%)	0.17	0.18
PDW (fL)	12.2	12.9
P-LCR (%)	28.1	30.9
NEUT# ($10^3/\mu\text{l}$)	3.74	3.91
LYMPH# ($10^3/\mu\text{l}$)	3.18	3.3
MONO# ($10^3/\mu\text{l}$)	0.59	0.62
EO# ($10^3/\mu\text{l}$)	0.24	0.24
BASO# ($10^3/\mu\text{l}$)	0.02	0.02
NEUT (%)	48.1	48.3
LYMPH (%)	40.9	40.8
MONO (%)	7.6	7.7
EO (%)	3.1	3.0
BASO (%)	0.3	0.2

Sample-14		
Parameters	All Reagents from Vanguard Diagnostics	All Reagents from Sysmex as Reference
WBC ($10^3/\mu\text{l}$)	4.47	4.39
RBC ($10^6/\mu\text{l}$)	4.19	4.22
HGB (g/dl)	14.1	14.1
HCT (%)	41.9	41.8
MCV (fL)	100	99.1
MCH (pg)	33.7	33.4
MCHC (g/dl)	33.7	33.7
RDW-SD (fL)	43	42.8
RDW-CV(%)	12.1	12.1
PLT ($10^3/\mu\text{l}$)	158	162
MPV (fL)	10.5	10.7
PCT (%)	0.16	0.17
PDW (fL)	12.2	12.4
P-LCR (%)	27.5	29.7
NEUT# ($10^3/\mu\text{l}$)	2.48	2.46
LYMPH# ($10^3/\mu\text{l}$)	1.57	1.5
MONO# ($10^3/\mu\text{l}$)	0.31	0.33
EO# ($10^3/\mu\text{l}$)	0.1	0.09
BASO# ($10^3/\mu\text{l}$)	0.01	0.01
NEUT (%)	55.6	56
LYMPH (%)	35.1	34.2
MONO (%)	6.9	7.5
EO (%)	2.2	2.1
BASO (%)	0.2	0.2

Sample-15		
Parameters	All Reagents from Vanguard Diagnostics	All Reagents from Sysmex as Reference
WBC ($10^3/\mu\text{l}$)	4.7	4.79
RBC ($10^6/\mu\text{l}$)	4.5	4.51
HGB (g/dl)	14.3	14.3
HCT (%)	41.7	41.5
MCV (fL)	92.7	92
MCH (pg)	31.8	31.7
MCHC (g/dl)	34.3	34.5
RDW-SD (fL)	41.9	42
RDW-CV(%)	12.9	12.9
PLT ($10^3/\mu\text{l}$)	167	171
MPV (fL)	10.5	11.1
PCT (%)	0.18	0.19
PDW (fL)	11.3	12.5
P-LCR (%)	29.1	32.1
NEUT# ($10^3/\mu\text{l}$)	2.27	2.35
LYMPH# ($10^3/\mu\text{l}$)	2.04	2.05
MONO# ($10^3/\mu\text{l}$)	0.28	0.3
EO# ($10^3/\mu\text{l}$)	0.1	0.08
BASO# ($10^3/\mu\text{l}$)	0.01	0.01
NEUT (%)	48.3	49
LYMPH (%)	43.4	42.8
MONO (%)	6	6.3
EO (%)	2.1	1.7
BASO (%)	0.2	0.2

Sample-16		
Parameters	All Reagents from Vanguard Diagnostics	All Reagents from Sysmex as Reference
WBC ($10^3/\mu\text{l}$)	8	7.88
RBC ($10^6/\mu\text{l}$)	4.26	4.29
HGB (g/dl)	13	13.1
HCT (%)	40.3	39.6
MCV (fL)	94.6	92.3
MCH (pg)	30.5	30.5
MCHC (g/dl)	32.3	33.1
RDW-SD (fL)	44.3	44.4
RDW-CV(%)	13.5	13.6
PLT ($10^3/\mu\text{l}$)	289	291
MPV (fL)	10.3	10.5
PCT (%)	0.3	0.3
PDW (fL)	11.1	11.6
P-LCR (%)	26.4	28.4
NEUT# ($10^3/\mu\text{l}$)	5.11	5.03
LYMPH# ($10^3/\mu\text{l}$)	1.82	1.79
MONO# ($10^3/\mu\text{l}$)	0.58	0.57
EO# ($10^3/\mu\text{l}$)	0.32	0.3
BASO# ($10^3/\mu\text{l}$)	0.17	0.19
NEUT (%)	63.8	63.9
LYMPH (%)	22.8	22.7
MONO (%)	7.3	7.2
EO (%)	4	3.8
BASO (%)	2.1	2.4

Sample-17		
Parameters	All Reagents from Vanguard Diagnostics	All Reagents from Sysmex as Reference
WBC ($10^3/\mu\text{l}$)	6.66	6.6
RBC ($10^6/\mu\text{l}$)	3.91	3.88
HGB (g/dl)	12.1	12.1
HCT (%)	34.8	34.2
MCV (fL)	89	88.1
MCH (pg)	30.9	31.2
MCHC (g/dl)	34.8	35.4
RDW-SD (fL)	43.9	42.9
RDW-CV(%)	13.8	13.8
PLT ($10^3/\mu\text{l}$)	282	290
MPV (fL)	11.2	12
PCT (%)	0.32	0.35
PDW (fL)	14.7	15.4
P-LCR (%)	35.2	40.5
NEUT# ($10^3/\mu\text{l}$)	4.54	4.55
LYMPH# ($10^3/\mu\text{l}$)	1.49	1.48
MONO# ($10^3/\mu\text{l}$)	0.49	0.42
EO# ($10^3/\mu\text{l}$)	0.13	0.12
BASO# ($10^3/\mu\text{l}$)	0.01	0.03
NEUT (%)	68	68.9
LYMPH (%)	22.4	22.4
MONO (%)	7.4	6.4
EO (%)	2	1.8
BASO (%)	0.2	0.5

Sample-18		
Parameters	All Reagents from Vanguard Diagnostics	All Reagents from Sysmex as Reference
WBC (10 ³ /μl)	4.97	4.89
RBC (10 ⁶ /μl)	4.15	4.25
HGB (g/dl)	12.1	12.2
HCT (%)	38.8	38.8
MCV (fL)	93.5	91.3
MCH (pg)	29.2	28.7
MCHC (g/dl)	31.2	31.4
RDW-SD (fL)	50.6	49.6
RDW-CV(%)	15.4	15.3
PLT (10 ³ /μl)	182	205
MPV (fL)	11.9	12.1
PCT (%)	0.22	0.25
PDW (fL)	16.4	15.1
P-LCR (%)	39	39.4
NEUT# (10 ³ /μl)	2.89	2.76
LYMPH# (10 ³ /μl)	1.48	1.45
MONO# (10 ³ /μl)	0.43	0.52
EO# (10 ³ /μl)	0.16	0.15
BASO# (10 ³ /μl)	0.01	0.01
NEUT (%)	58.1	56.4
LYMPH (%)	29.8	29.6
MONO (%)	8.7	10.6
EO (%)	3.2	3.1
BASO (%)	0.2	0.2

Sample-19		
Parameters	All Reagents from Vanguard Diagnostics	All Reagents from Sysmex as Reference
WBC ($10^3/\mu\text{l}$)	7.24	7.15
RBC ($10^6/\mu\text{l}$)	4.91	4.93
HGB (g/dl)	15	14.8
HCT (%)	42.4	42.3
MCV (fL)	86.4	85.8
MCH (pg)	30.5	30
MCHC (g/dl)	35.4	35
RDW-SD (fL)	39.2	39.2
RDW-CV(%)	12.8	12.8
PLT ($10^3/\mu\text{l}$)	179	182
MPV (fL)	10.9	11.4
PCT (%)	0.2	0.21
PDW (fL)	13.6	14.4
P-LCR (%)	32.2	37.1
NEUT# ($10^3/\mu\text{l}$)	4.81	4.76
LYMPH# ($10^3/\mu\text{l}$)	1.74	1.72
MONO# ($10^3/\mu\text{l}$)	0.54	0.5
EO# ($10^3/\mu\text{l}$)	0.14	0.14
BASO# ($10^3/\mu\text{l}$)	0.01	0.03
NEUT (%)	66.5	66.5
LYMPH (%)	24	24.1
MONO (%)	7.5	7
EO (%)	1.9	2
BASO (%)	0.1	0.4

Sample-20		
Parameters	All Reagents from Vanguard Diagnostics	All Reagents from Sysmex as Reference
WBC ($10^3/\mu\text{l}$)	7.92	7.64
RBC ($10^6/\mu\text{l}$)	4.23	4.15
HGB (g/dl)	14	14
HCT (%)	41.9	40.8
MCV (fL)	99.1	98.3
MCH (pg)	33.1	33.7
MCHC (g/dl)	33.4	34.3
RDW-SD (fL)	43	42.6
RDW-CV(%)	12.2	12.1
PLT ($10^3/\mu\text{l}$)	310	316
MPV (fL)	9.9	10.5
PCT (%)	0.31	0.33
PDW (fL)	11.1	12.3
P-LCR (%)	24	28.9
NEUT# ($10^3/\mu\text{l}$)	5.33	5.18
LYMPH# ($10^3/\mu\text{l}$)	1.85	1.69
MONO# ($10^3/\mu\text{l}$)	0.52	0.53
EO# ($10^3/\mu\text{l}$)	0.22	0.23
BASO# ($10^3/\mu\text{l}$)	0	0.01
NEUT (%)	67.2	67.9
LYMPH (%)	23.4	22.1
MONO (%)	6.6	6.9
EO (%)	2.8	3
BASO (%)	0	0.1

Performance with Hematology 3rd Party Controls

Product: Diagon D Check 5 Diff / Any Other

Low, Normal & High Controls

Lot No.: 51460804

Expiry : 17-08-2025

Commercial Confidential



ΠΑΣΧΩΝΗ ΦΛΩΡΑ
ΜΕΤΕΒΙΟΛΟΓΙΚΑ ΕΡΓΑΣΤΗΡΙΑ ΓΙΑΝΝΙΤΣΩΝ Ε.Ε.
ΚΟΜΗΝΗΝ 7 - ΤΣΑΛΗ - ΓΙΑΝΝΙΤΣΑ Τ.Κ. 58100
Α.Φ.Μ. 801665154 / Δ.Ο.Υ. ΓΙΑΝΝΙΤΣΩΝ
ΤΗΛ.: 23820 82949 - 6945433450
ΣΥΜΒΕΒΛΗΜΕΝΟΣ ΕΟΠΥΥ

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e-CHECK-L (SYSMEX)

LOW CONTROL

Lot No. 51460804

Expiry: 17-08-2025

PARAMETERS	All Reagents from Vanguard Diagnostics	All Reagents from Sysmex as Reference	TARGET	RANGE
WBC ($10^3/\mu\text{l}$)	2.89	2.88	2.87	2,58 - 3,16
RBC ($10^6/\mu\text{l}$)	2.59	2.64	2.58	2,45 - 2,71
HGB (g/dl)	6	6.3	6.3	6 - 6,6
HCT (%)	19.3	19.4	19.4	18,2 - 20,6
MCV (fL)	74.5	73.5	75.3	71,5 - 79,1
MCH (pg)	23.2	23.9	24.4	23,2 - 25,6
MCHC (g/dl)	31.1	32.5	32.5	30,5 - 34,5
PLT ($10^3/\mu\text{l}$)	50	53	60	36 - 84
RDW-SD (fL)	42.7	42.1	43.5	37 - 50
RDW-CV (%)	16	16	16.2	13,8 - 18,6
PDW (fL)	9.1	8.4	8.1	4,9 - 11,3
MPV (fL)	8.8	9.1	8.7	7,4 - 10
P-LCR (%)	12.5	13.8	11	1,6 - 20,4
PCT (%)	0.04	0.05	0.05	0,02 - 0,08
NEUT (%)	40.2	39.8	39	27,3 - 50,7
LYM (%)	36.5	35.3	37.3	22,4 - 52,2
MONO (%)	8.7	9.3	8.7	0,9 - 16,5
EO (%)	9.4	10.4	9.3	4,6 - 14
BASO (%)	5.2	5.2	5.7	1,3 - 10,1
NEUT# ($10^3/\mu\text{l}$)	1.16	1.15	1.17	0,82 - 1,52
LYM# ($10^3/\mu\text{l}$)	1.05	1.02	1.12	0,67 - 1,57
MONO# ($10^3/\mu\text{l}$)	0.25	0.27	0.26	0,03 - 0,49
EO# ($10^3/\mu\text{l}$)	0.27	0.3	0.28	0,14 - 0,42
BASO# ($10^3/\mu\text{l}$)	0.15	0.15	0.17	0,04 - 0,3

e-CHECK-N (SYSMEX)

NORMAL CONTROL

Lot No. 51460805

Expiry: 17/8/2025

PARAMETERS	All Reagents from Vanguard Diagnostics	All Reagents from Sysmex as Reference	TARGET	RANGE
WBC ($10^3/\mu\text{l}$)	7.31	7.26	7.01	6.59 - 7.43
RBC ($10^6/\mu\text{l}$)	4.37	4.4	4.37	4.15 - 4.59
HGB (g/dl)	12.4	12.5	12.2	11.8 - 12.6
HCT (%)	35.7	35.8	35.8	34.0 - 37.6
MCV (fL)	81.7	81.4	82	77.9 - 86.1
MCH (pg)	28.4	28.4	27.9	26.5 - 29.3
MCHC (g/dl)	34.7	34.9	34.1	32.1 - 36.1
PLT ($10^3/\mu\text{l}$)	213	211	217	184 - 250
RDW-SD (fL)	42.6	43.3	43.9	37.3 - 50.5
RDW-CV (%)	15	15.2	15.2	12.9 - 17.5
PDW (fL)	8.2	8.7	8.3	5.8 - 10.8
MPV (fL)	9.3	9.2	9.1	7.7 - 10.5
P-LCR (%)	13.3	13.1	11.7	5.8 - 17.6
PCT (%)	0.2	0.19	0.2	0.14 - 0.26
NEUT# ($10^3/\mu\text{l}$)	3.08	3.06	3.08	2.16 - 4.00
LYM# ($10^3/\mu\text{l}$)	2.36	2.41	2.4	1.68 - 3.12
MONO# ($10^3/\mu\text{l}$)	0.63	0.63	0.65	0.06 - 1.24
EO# ($10^3/\mu\text{l}$)	0.78	0.75	0.74	0.37 - 1.11
BASO# ($10^3/\mu\text{l}$)	0.47	0.41	0.46	0.10 - 0.82
NEUT (%)	42	42.2	42	29.4 - 54.6
LYM (%)	32.3	33.2	32.7	22.9 - 42.5
MONO (%)	8.6	8.7	8.9	0.9 - 16.9
EO (%)	10.7	10.3	10.1	5.0 - 15.2
BASO (%)	6.4	5.6	6.3	1.4 - 11.2

e-CHECK-H (SYSMEX)

HIGH CONTROL

Lot No. 51460806

Expiry: 17-08-2025

PARAMETERS	All Reagents from Vanguard Diagnostics	All Reagents from Sysmex as Reference	TARGET	RANGE
WBC ($10^3/\mu\text{l}$)	16.23	16	16.39	15,41 - 17,37
RBC ($10^6/\mu\text{l}$)	5.24	5.33	5.25	4,99 - 5,51
HGB (g/dl)	16.1	16.1	16.3	15,8 - 16,8
HCT (%)	46.7	47.2	47	44,6 - 49,4
MCV (fL)	89.1	88.6	89.6	85,1 - 94,1
MCH (pg)	30.7	30.2	31	29,4 - 32,6
MCHC (g/dl)	34.5	34.1	34.7	32,6 - 36,8
PLT ($10^3/\mu\text{l}$)	477	522	518	451 - 585
RDW-SD (fL)	44.5	44.5	45.7	38,8 - 52,6
RDW-CV (%)	14.5	14.4	14.7	12,5 - 16,9
PDW (fL)	8.9	8.6	8.7	7 - 10,4
MPV (fL)	9.6	9.4	9.2	7,8 - 10,6
P-LCR (%)	14.9	13.4	12.5	6,2 - 18,8
PCT (%)	0.46	0.49	0.48	0,36 - 0,60
NEUT (%)	44.7	44.8	44.7	31,3 - 58,1
LYM (%)	26.9	26.9	27.3	19,1 - 35,5
MONO (%)	10.3	9.4	9.9	1 - 18,8
EO (%)	10.5	12.1	11.1	5,5 - 16,7
BASO (%)	7.6	6.8	7	1,5 - 12,5
NEUT# ($10^3/\mu\text{l}$)	7.31	7.21	7.65	5,35 - 9,95
LYM# ($10^3/\mu\text{l}$)	4.4	4.33	4.68	3,28 - 6,08
MONO# ($10^3/\mu\text{l}$)	1.68	1.52	1.7	0,17 - 3,23
EO# ($10^3/\mu\text{l}$)	1.71	1.95	1.9	0,95 - 2,85
BASO# ($10^3/\mu\text{l}$)	1.24	1.09	1.2	0,26 - 2,14

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 ($10^3/\mu\text{L}$)	4.01	3.84	3.91	3.74	3.81	3.78	3.81	3.91	3.88	3.89	3.86	0.08	0.02	2.03
RBC ($10^6/\mu\text{L}$)	4.38	4.41	4.4	4.44	4.41	4.43	4.47	4.46	4.47	4.46	4.43	0.03	0.01	0.72
HGB (g/dl)	13.6	13.7	13.7	13.7	13.7	13.8	13.8	13.9	13.8	13.8	13.75	0.08	0.01	0.62
HCT (%)	39.7	39.8	39.6	39.7	39.2	39	39.3	39.1	39	38.9	39.33	0.34	0.01	0.86
MCV (fL)	90.6	90.2	90	89.4	88.9	88	87.9	87.7	87.2	87.2	88.71	1.28	0.01	1.44
MCH (pg)	31.1	31.1	31.1	30.9	31.1	31.2	30.9	31.2	30.9	30.9	31.04	0.13	0.00	0.41
MCHC (g/dl)	34.3	34.4	34.6	34.5	34.9	35.4	35.1	35.5	35.4	35.5	34.96	0.48	0.01	1.38
PLT ($10^3/\mu\text{L}$)	129	129	128	127	130	129	131	127	131	135	129.60	2.37	0.02	1.83
RDW-SD (fL)	43.2	42.8	42.5	42	41.9	40.9	40.8	40.8	40.7	40.8	41.64	0.96	0.02	2.30
RDW-CV (%)	13.3	13.3	13.3	13.3	13.4	13.2	13.1	13.2	13.2	13.2	13.25	0.08	0.01	0.64
PDW (fL)	12.3	13.1	12.6	12.9	12.4	12.4	12.9	12.6	13.6	12	12.68	0.46	0.04	3.62
MPV (fL)	10.6	10.3	10.3	10.4	10.4	10.8	10.5	10.5	10.7	10.5	10.50	0.16	0.02	1.56
P-LCR (%)	29.7	28.5	28.2	29.7	29.5	31.8	30.6	30.9	32.1	28.9	29.99	1.33	0.04	4.44
PCT (%)	0.14	0.13	0.13	0.13	0.13	0.14	0.14	0.13	0.14	0.14	0.14	0.01	0.04	3.90
NEUT (%)	50.9	51.8	50.3	51.3	50.7	52.7	53.1	50.4	51	50.1	51.23	1.01	0.02	1.98
LYM (%)	39.7	38.8	40.2	39.3	39.6	38.6	37	40.4	39.2	40.4	39.32	1.03	0.03	2.62
MONO (%)	7	6.8	6.4	6.7	6.8	6.3	6.8	6.4	7	6.4	6.66	0.26	0.04	3.95
EO (%)	2.2	2.3	2.6	2.4	2.6	2.1	2.6	2.3	2.3	2.6	2.40	0.19	0.08	7.86
BASO (%)	0.2	0.3	0.5	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.39	0.12	0.31	30.70
NEUT# ($10^3/\mu\text{L}$)	2.04	1.99	1.97	1.92	1.93	1.99	2.02	1.97	1.98	1.95	1.98	0.04	0.02	1.88
LYM# ($10^3/\mu\text{L}$)	1.59	1.49	1.57	1.47	1.51	1.46	1.41	1.58	1.52	1.57	1.52	0.06	0.04	3.97
MONO# ($10^3/\mu\text{L}$)	0.28	0.26	0.25	0.25	0.26	0.24	0.26	0.25	0.27	0.25	0.26	0.01	0.05	4.51
EO# ($10^3/\mu\text{L}$)	0.09	0.09	0.1	0.09	0.1	0.08	0.1	0.09	0.09	0.1	0.09	0.01	0.07	7.26
BASO# ($10^3/\mu\text{L}$)	0.01	0.01	0.02	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.01	0.35	35.14

Coefficient of Variation: Precision (VDx Reagents)

Parameters	1	2	3	4	5	6	7	8	9	10	11	MEAN	SD	CV	Criterion CVs	Conclusion
WBC ($10^3/\mu$)	4.01	3.84	3.91	3.74	3.81	3.78	3.81	3.91	3.88	3.89	3.97	3.854	0.070	1.82%	3.00%	Qualified
RBC ($10^6/\mu$)	4.38	4.41	4.4	4.44	4.41	4.43	4.47	4.46	4.47	4.46	4.45	4.44	0.026	0.00591142	1.50%	Qualified
HGB (g/dl)	13.6	13.7	13.7	13.7	13.7	13.8	13.8	13.9	13.8	13.8	13.8	13.77	0.067	0.00490159	1.50%	Qualified
HCT (%)	39.7	39.8	39.6	39.7	39.2	39	39.3	39.1	39	38.9	38.7	39.23	0.365	0.00931176	1.50%	Qualified
MCV (fL)	90.6	90.2	90	89.4	88.9	88	87.9	87.7	87.2	87.2	87	88.35	1.191	0.01347977	1.50%	Qualified
MCH (pg)	31.1	31.1	31.1	30.9	31.1	31.2	30.9	31.2	30.9	30.9	31	31.03	0.125	0.00403373	2.00%	Qualified
MCHC (g/dl)	34.3	34.4	34.6	34.5	34.9	35.4	35.1	35.5	35.4	35.5	35.7	35.1	0.471	0.01343033	2.00%	Qualified
PLT ($10^3/\mu$)	129	129	128	127	130	129	131	127	131	135	131	129.8	2.394	0.01844713	4.00%	Qualified
RDW-SD (fL)	43.2	42.8	42.5	42	41.9	40.9	40.8	40.8	40.7	40.8	40.8	41.4	0.814	0.01965629	3.00%	Qualified
RDW-CV (%)	13.3	13.3	13.3	13.3	13.4	13.2	13.1	13.2	13.2	13.2	13.2	13.24	0.084	0.00636914	3.00%	Qualified
PDW (fL)	12.3	13.1	12.6	12.9	12.4	12.4	12.9	12.6	13.6	12	12.5	12.7	0.445	0.03501749	10.00%	Qualified
MPV (fL)	10.6	10.3	10.3	10.4	10.4	10.8	10.5	10.5	10.7	10.5	10.6	10.5	0.163	0.01555232	4.00%	Qualified
P-LCR (%)	29.7	28.5	28.2	29.7	29.5	31.8	30.6	30.9	32.1	28.9	30.4	30.06	1.333	0.04433355	18.00%	Qualified
PCT (%)	0.14	0.13	0.13	0.13	0.13	0.14	0.14	0.13	0.14	0.14	0.14	0.135	0.005	0.03904046	6.00%	Qualified
NEUT (%)	50.9	51.8	50.3	51.3	50.7	52.7	53.1	50.4	51	50.1	51.9	51.33	1.027	0.02001668	8.00%	Qualified
LYM (%)	39.7	38.8	40.2	39.3	39.6	38.6	37	40.4	39.2	40.4	38.8	39.23	1.031	0.02627315	8.00%	Qualified
MONO (%)	7	6.8	6.4	6.7	6.8	6.3	6.8	6.4	7	6.4	6.5	6.61	0.238	0.03597793	20.00%	Qualified
EO (%)	2.2	2.3	2.6	2.4	2.6	2.1	2.6	2.3	2.3	2.6	2.3	2.41	0.179	0.07435508	25.00%	Qualified
BASO (%)	0.2	0.3	0.5	0.3	0.3	0.3	0.5	0.5	0.5	0.5	0.5	0.42	0.103	0.2459037	40.00%	Qualified
NEUT# (10^3)	2.04	1.99	1.97	1.92	1.93	1.99	2.02	1.97	1.98	1.95	2.06	1.978	0.041	0.02088565	8.00%	Qualified
LYMH# (10^3)	1.59	1.49	1.57	1.47	1.51	1.46	1.41	1.58	1.52	1.57	1.54	1.512	0.055	0.03659878	8.00%	Qualified
MONOH# (10^3)	0.28	0.26	0.25	0.25	0.26	0.24	0.26	0.25	0.27	0.25	0.26	0.255	0.008	0.03332692	20.00%	Qualified
EO# ($10^3/\mu$)	0.09	0.09	0.1	0.09	0.1	0.08	0.1	0.09	0.09	0.1	0.09	0.093	0.007	0.07257511	25.00%	Qualified
BASO# (10^3)	0.01	0.01	0.02	0.01	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.016	0.005	0.32274861	40.00%	Qualified

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 ($10^3/\mu\text{l}$)	.	3.82	3.85	3.84	3.85	3.92	3.84	3.85	3.93	3.84	3.86	0.04	0.01	0.99
RBC ($10^6/\mu\text{l}$)	4.37	4.37	4.43	4.43	4.39	4.39	4.46	4.42	4.4	4.37	4.40	0.03	0.01	0.70
HGB (g/dl)	13.6	13.6	13.7	13.7	13.8	13.6	13.7	13.7	13.7	13.7	13.68	0.06	0.00	0.46
HCT (%)	39.6	39.4	39.7	39.6	39.1	39.1	39.5	39.1	38.8	38.5	39.24	0.39	0.01	0.99
MCV (fL)	90.6	90.2	89.6	89.4	89.1	89.1	88.6	88.5	88.2	88.1	89.14	0.83	0.01	0.93
MCH (pg)	31.1	31.1	30.9	30.9	31.4	31	30.7	31	31.1	31.4	31.06	0.22	0.01	0.70
MCHC (g/dl)	34.3	34.5	34.5	34.6	35.3	34.8	34.7	35	35.3	35.6	34.86	0.42	0.01	1.22
PLT ($10^3/\mu\text{l}$)	134	133	130	134	136	135	132	132	142	129	133.70	3.62	0.03	2.71
RDW-SD (fL)	43	43	42.9	42.5	42	41.9	42.1	41.7	41.5	41.5	42.21	0.60	0.01	1.42
RDW-CV (%)	13.3	13.4	13.3	13.3	13.3	13.2	13.3	13.3	13.3	13.4	13.31	0.06	0.00	0.43
PDW (fL)	13.4	14.2	13.3	14.3	13.8	13.5	14.1	14.5	13.4	15.3	13.98	0.63	0.05	4.51
MPV (fL)	11.1	11.2	11.1	11.4	11.2	11.2	11	11	11.1	10.8	11.11	0.16	0.01	1.44
P-LCR (%)	34.8	34.7	34.3	35.9	35.5	35.1	33.8	33.2	34.7	33	34.50	0.94	0.03	2.73
PCT (%)	0.15	0.15	0.14	0.15	0.15	0.15	0.14	0.15	0.16	0.14	0.15	0.01	0.04	4.27
NEUT (%)	2.07	1.95	1.97	1.94	1.95	2.02	1.98	2.06	2.07	2.01	2.00	0.05	0.03	2.57
LYM (%)	1.57	1.52	1.5	1.53	1.54	1.52	1.49	1.46	1.5	1.46	1.51	0.03	0.02	2.28
MONO (%)	0.28	0.24	0.29	0.27	0.25	0.28	0.26	0.24	0.27	0.26	0.26	0.02	0.06	6.49
EO (%)	0.08	0.1	0.08	0.08	0.09	0.09	0.09	0.07	0.08	0.09	0.09	0.01	0.10	10.00
BASO (%)	0.01	0.01	0.01	0.02	0.02	0.01	0.02	0.02	0.01	0.02	0.02	0.01	0.35	35.14
NEUT# ($10^3/\mu\text{l}$)	51.6	51	51.1	50.6	50.7	51.5	51.6	53.6	52.6	52.4	51.67	0.94	0.02	1.83
LYM# ($10^3/\mu\text{l}$)	39.2	39.8	39	39.8	40	38.8	38.8	37.9	38.2	38	38.95	0.76	0.02	1.96
MONO# ($10^3/\mu\text{l}$)	7	6.3	7.5	7	6.5	7.1	6.8	6.2	6.9	6.8	6.81	0.39	0.06	5.73
EO# ($10^3/\mu\text{l}$)	2	2.6	2.1	2.1	2.3	2.3	2.3	1.8	2	2.3	2.18	0.23	0.10	10.33
BASO# ($10^3/\mu\text{l}$)	0.2	0.3	0.3	0.5	0.5	0.3	0.5	0.5	0.3	0.5	0.39	0.12	0.31	30.70

Coefficient of Variation: Precision (Sysmex Reagents)

Parameters	1	2	3	4	5	6	7	8	9	10	11	MEAN	SD	CV	Criterion CVs	Conclusion
WBC ($10^3/\mu\text{l}$)	4.01	3.82	3.85	3.84	3.85	3.92	3.84	3.85	3.93	3.84	3.94	3.868	0.044	1.14%	3.00%	Qualified
RBC ($10^6/\mu\text{l}$)	4.37	4.37	4.43	4.43	4.39	4.39	4.46	4.42	4.4	4.37	4.45	4.411	0.032	0.007204828	1.50%	Qualified
HGB (g/dl)	13.6	13.6	13.7	13.7	13.8	13.6	13.7	13.7	13.7	13.7	13.8	13.7	0.067	0.00486618	1.50%	Qualified
HCT (%)	39.6	39.4	39.7	39.6	39.1	39.1	39.5	39.1	38.8	38.5	39.1	39.19	0.370	0.009429299	1.50%	Qualified
MCV (fL)	90.6	90.2	89.6	89.4	89.1	89.1	88.6	88.5	88.2	88.1	87.9	88.87	0.736	0.00828663	1.50%	Qualified
MCH (pg)	31.1	31.1	30.9	30.9	31.4	31	30.7	31	31.1	31.4	31	31.05	0.217	0.006998607	2.00%	Qualified
MCHC (g/dl)	34.3	34.5	34.5	34.6	35.3	34.8	34.7	35	35.3	35.6	35.3	34.96	0.395	0.011297722	2.00%	Qualified
PLT ($10^3/\mu\text{l}$)	134	133	130	134	136	135	132	132	142	129	136	133.9	3.695	0.027597778	4.00%	Qualified
RDW-SD (fL)	43	43	42.9	42.5	42	41.9	42.1	41.7	41.5	41.5	40.9	42	0.657	0.015633108	3.00%	Qualified
RDW-CV (%)	13.3	13.4	13.3	13.3	13.3	13.2	13.3	13.3	13.3	13.4	13.3	13.31	0.057	0.00426481	3.00%	Qualified
PDW (fL)	13.4	14.2	13.3	14.3	13.8	13.5	14.1	14.5	13.4	15.3	13.6	14	0.613	0.043773277	10.00%	Qualified
MPV (fL)	11.1	11.2	11.1	11.4	11.2	11.2	11	11	11.1	10.8	11.4	11.14	0.184	0.016497964	4.00%	Qualified
P-LCR (%)	34.8	34.7	34.3	35.9	35.5	35.1	33.8	33.2	34.7	33	36.5	34.67	1.134	0.032718843	18.00%	Qualified
PCT (%)	0.15	0.15	0.14	0.15	0.15	0.15	0.14	0.15	0.16	0.14	0.15	0.148	0.006	0.042733482	6.00%	Qualified
NEUT (%)	2.07	1.95	1.97	1.94	1.95	2.02	1.98	2.06	2.07	2.01	2.01	1.996	0.046	0.022922325	8.00%	Qualified
LYM (%)	1.57	1.52	1.5	1.53	1.54	1.52	1.49	1.46	1.5	1.46	1.52	1.504	0.028	0.018329852	8.00%	Qualified
MONO (%)	0.28	0.24	0.29	0.27	0.25	0.28	0.26	0.24	0.27	0.26	0.29	0.265	0.018	0.069467679	20.00%	Qualified
EO (%)	0.08	0.1	0.08	0.08	0.09	0.09	0.09	0.07	0.08	0.09	0.09	0.086	0.008	0.098055121	25.00%	Qualified
BASO (%)	0.01	0.01	0.01	0.02	0.02	0.01	0.02	0.02	0.01	0.02	0.03	0.017	0.007	0.397028563	40.00%	Qualified
NEUT# ($10^3/\mu\text{l}$)	51.6	51	51.1	50.6	50.7	51.5	51.6	53.6	52.6	52.4	50.9	51.6	0.975	0.018900179	8.00%	Qualified
LYM# ($10^3/\mu\text{l}$)	39.2	39.8	39	39.8	40	38.8	38.8	37.9	38.2	38	38.6	38.89	0.764	0.019637179	8.00%	Qualified
MONO# ($10^3/\mu\text{l}$)	7	6.3	7.5	7	6.5	7.1	6.8	6.2	6.9	6.8	7.4	6.85	0.430	0.062790695	20.00%	Qualified
EO# ($10^3/\mu\text{l}$)	2	2.6	2.1	2.1	2.3	2.3	2.3	1.8	2	2.3	2.3	2.21	0.218	0.098790485	25.00%	Qualified
BASO# ($10^3/\mu\text{l}$)	0.2	0.3	0.3	0.5	0.5	0.3	0.5	0.5	0.3	0.5	0.8	0.45	0.158	0.351364184	40.00%	Qualified

Conclusions (To filled by Vanguard Dx)

1. The V Dx 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 **0.921 to 0.998** displaying **the highest** degree of correlation between the reagents.
3. The V Dx 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 V Dx Sysmex reagents and the Sysmex Reference reagents was found to be as under:

Parameters	Sysmex Reference Reagents (CV % - Precision)	V Dx Sysmex Reagents (CV % - Precision)
Measured Parameters	0.46% to 35.14%	0.42% to 35.14%
Calculated Parameters	0.43% to 6.49%	0.41% to 4.44%

5. Values obtained with 3rd Party controls (Low, Normal, High) from **Sysmex** were found to be **within** specified ranges for V Dx Sysmex 5 Part Hematology Reagents and Sysmex Reference reagents
6. The V Dx 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.

ΠΑΣΧΩΝΗ ΦΛΩΡΑ
ΜΙΚΡΟΒΙΟΛΟΓΙΚΑ ΕΡΓΑΣΤΗΡΙΑ ΓΙΑΝΝΙΤΣΩΝ Ε.Ε.
ΚΟΜΝΗΝΩΝ 7 - ΤΣΑΛΙ - ΓΙΑΝΝΙΤΣΑ - Τ.Κ. 58100
Α.Φ.Μ. 801665151 / Δ.Ο.Υ. ΓΙΑΝΝΙΤΣΩΝ
ΤΗΛ: 26620 87999 - 6945433450
ΣΥΜΒΕΒΛΗΜΕΝΟΣ ΕΟΠΥΥ

ΠΑΣΧΩΝΗ ΦΛΩΡΑ

