

Handout: PT Examples 1105



1159 Business Park Drive, Traverse City, MI 49686

Customer No:

CLIA No:

Address:

Comparative Evaluation

2010 Hematology / Coag / Microbiology - 2nd Event

This report shows the result you reported, expected result, mean, SD (Standard Deviation), SDI (Standard Deviation Interval), and your grade for each sample tested. The SDI compares your laboratory's result to the comparison group's mean and is defined as follows:

Reported Result - Comparison Group Mean

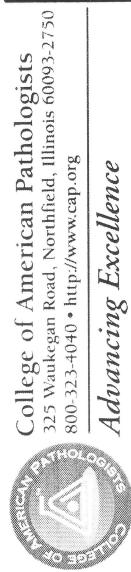
SDI = Comparison Group Standard Deviation

Analytes that are scored for CMS are designated by (**); scores for these analytes are sent to CMS and are used to determine the overall scores for each CMS specialty/sub-specialty.

2010 Hematology/Coagulation/Body Fluid - 2nd Event

HEMATOLOGY - 5S

Analyte / Method	Sample	Reported Result	Expected Result	Mean	SD	SDI	Grade
Hematocrit (Hem - 5S) (%) ** Sysmex XE-2100	XE-06	18	16 - 19	17.3	0.4	1.8	Acceptable
	XE-07	45	42 - 48	45.0	0.6	0.0	Acceptable
	XE-08	19	17 - 21	19.1	0.3	-0.3	Acceptable
	XE-09	44	41 - 48	44.6	0.7	-0.9	Acceptable
	XE-10	34	31 - 36	33.8	0.5	0.4	Acceptable
Hemoglobin (Hem - 5S) (g/dL) ** Sysmex XE-2100	XE-06	5.8	5.3 - 6.2	5.76	0.07	0.6	Acceptable
	XE-07	15.9	14.6 - 17.0	15.80	0.16	0.6	Acceptable
	XE-08	6.6	6.0 - 7.0	6.49	0.09	1.2	Acceptable
	XE-09	15.6	14.4 - 16.7	15.55	0.14	0.4	Acceptable
	XE-10	11.6	10.7 - 12.4	11.51	0.12	0.7	Acceptable
Platelet Count (Hem - 5S) (x 10E9/L) ** Sysmex XE-2100	XE-06	61	43 - 72	57.4	2.8	1.3	Acceptable
	XE-07	489	363 - 606	484.8	11.0	0.4	Acceptable
	XE-08	336	250 - 418	333.7	8.2	0.3	Acceptable
	XE-09	113	87 - 147	117.3	4.7	-0.9	Acceptable
	XE-10	209	158 - 265	211.8	7.0	-0.4	Acceptable
RDW-CV (Hem - 5S) (%) Sysmex XE-2100	XE-06	16.1	15.9 - 16.7	16.31	0.12	-1.7	Acceptable
	XE-07	14.6	14.2 - 15.0	14.62	0.11	-0.2	Acceptable
	XE-08	15.6	15.2 - 16.0	15.60	0.13	0.0	Acceptable
	XE-09	13.6	13.2 - 14.0	13.64	0.12	-0.3	Acceptable
	XE-10	15.3	14.9 - 15.6	15.24	0.11	0.5	Acceptable
Red Cell Count (Hem - 5S) (x 10E12/L) ** Sysmex XE-2100	XE-06	2.36	2.18 - 2.47	2.321	0.028	1.4	Acceptable
	XE-07	5.28	4.89 - 5.53	5.208	0.051	1.4	Acceptable
	XE-08	2.60	2.39 - 2.71	2.551	0.031	1.6	Acceptable
	XE-09	5.25	4.91 - 5.55	5.234	0.061	0.3	Acceptable
	XE-10	4.23	3.94 - 4.46	4.202	0.044	0.6	Acceptable
Reticulocyte Count (Hem - 5S) (%) Sysmex XE-2100	XE-06	6.10	4.62 - 6.74	5.676	0.352	1.2	Acceptable
	XE-07	0.95	0.74 - 1.22	0.983	0.078	-0.4	Acceptable
White Cell Count (Hem - 5S) (x 10E9/L) ** Sysmex XE-2100	XE-06	2.9	2.4 - 3.4	2.91	0.10	-0.1	Acceptable
	XE-07	18.0	14.9 - 20.3	17.59	0.43	1.0	Acceptable
	XE-08	6.9	5.6 - 7.7	6.68	0.19	1.2	Acceptable
	XE-09	3.0	2.4 - 3.4	2.90	0.10	1.0	Acceptable
	XE-10	6.7	5.8 - 7.9	6.85	0.19	-0.8	Acceptable



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EVALUATION ORIGINAL

CGL-C 2010 Coagulation, Limited

Test Unit of Measure Peer Group

Evaluation and Comparative Method Statistics

Specimen	Your Result	No. of Labs			Limits of Acceptability			Your Grade
		S.D.	S.D.I.	Lower	Upper			
CGL-11	28.5	1.04	190	+0.9	23.3	31.7	Acceptable	
CGL-12	42.4	1.81	189	+0.5	35.2	47.7	Acceptable	
CGL-13	28.5	0.97	190	+1.2	23.2	31.5	Acceptable	
CGL-14	11.5	0.25	189	+0.9	9.5	13.0	Acceptable	
CGL-15	28.1	1.02	189	+0.8	23.1	31.4	Acceptable	

Test Unit of Measure Peer Group

Evaluation and Comparative Method Statistics

Specimen	Your Result	No. of Labs			Limits of Acceptability			Your Grade
		S.D.	S.D.I.	Lower	Upper			
CGL-11	56	53.5	1.6	183	+1.6	45	62	Acceptable
CGL-12	72	70.4	2.6	183	+0.6	59	81	Acceptable
CGL-13	58	53.3	1.6	181	+2.9	45	62	Acceptable
CGL-14	29	27.5	0.7	180	+2.3	23	32	Acceptable
CGL-15	56	53.2	1.6	182	+1.7	45	62	Acceptable

Test Unit of Measure Peer Group

Evaluation and Comparative Method Statistics

Specimen	Your Result	No. of Labs			Limits of Acceptability			Your Grade	
		S.D.	S.D.I.	Lower	Upper				
CGL-11	<A>	330.40	304.383	25.145	128	+1.0	243.50	365.26	Acceptable
CGL-12		346.80	333.150	21.662	127	+0.6	266.51	399.78	Acceptable
CGL-13		293.40	304.898	25.646	128	-0.4	243.91	365.88	Acceptable
CGL-14		325.20	309.180	25.129	128	+0.6	247.34	371.02	Acceptable
CGL-15		297.70	303.602	26.581	128	-0.2	242.88	364.33	Acceptable

<A> - Data for Siemens Diagnostics BCS, BCS XP and Siemens Diagnostics BCT instruments are statistically combined.

Kit ID: 23052533

Kit Mailed: 9/13/2010

Original Evaluation: 10/14/2010

Kit # 1

Institution: Atlantic Regional Medical Center

Attention: Dr. Vasquez-MASC

City / State: Atlantic City, NJ 08401-0713

Kit ID: 23052533

Kit Mailed: 9/13/2010

Original Evaluation: 10/14/2010

Kit # 1

Institution: Atlantic Regional Medical Center

Attention: Dr. Vasquez-MASC

City / State: Atlantic City, NJ 08401-0713

~~██████████ Hospital Building Estate~~ Zimbabwe

Scheme Name	Full Blood Count	Report Date :	15/02/2013
Shipment Date	September 25, 2012	Report Number:	8 4
Shipment Code	H123	This Scheme is designed according to ZINQAP	
Status of Report:	FINAL	Haematology Scheme Protocol (ID01)	

Summary

Number of Laboratories Enrolled	136
Number of Responses Received	99

Statistical Evaluations Statistics have been calculated from the consensus of the robust mean

Metrological Traceability There is no metrological traceability of consensus values.

Method used (If n is less than 30 for each method, method statistics will not be displayed)

Your Response**Laboratory ID**

A ●

Sample Label	FBC 1			Consensus Value	Sample Size (n)	Std. Dev.	Uncertainty of Measurement
Analyte Name	Units	Your Response	Z - Score				
White Blood Count	10 ³ /ul	4.50	-0.18	4.60	90	0.52	0.07
Red Blood Count	10 ⁶ /ul	3.36	-0.19	3.38	90	0.10	0.01
Hemoglobin	g/dl	10.40	0.34	10.3	91	0.30	0.04
Hematocrit	%	26.6	-0.78	28.5	90	2.37	0.31
MCV	fL	79.2	-0.64	82.7	88	5.49	0.73
Platelets	10 ³ /ul	204	0.17	196	90	48.93	6.45

Sample Response Comment:

Sample Label	FBC 2			Consensus Value	Sample Size (n)	Std. Dev.	Uncertainty of Measurement
Analyte Name	Units	Your Response	Z - Score				
White Blood Count	10 ³ /ul	2.40	-0.59	2.62	89	0.37	0.05
Red Blood Count	10 ⁶ /ul	2.75	-1.80	2.87	89	0.07	0.01
Hemoglobin	g/dl	7.40	0.00	7.4	90	0.22	0.03
Hematocrit	%	19.4	-1.15	21.1	89	1.48	0.20
MCV	fL	70.5	-0.88	74.5	88	4.52	0.60
Platelets	10 ³ /ul	142	0.32	132	89	31.13	4.13

Sample Response Comment:

[END OF REPORT]

Report Authorised by

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