

CVA (Calibration Verification Assessment)

Instrument/Serial Number: Coulter® Ac-T 5™diff CP (CapPierce) AZ1

Lab Acct Number: 00100
 SAMPLE LAB REPORT
 1234 MAIN STREET
 ANYTOWN, NE 12345 US

Shift: 1
 Lot Expiration: 12/28/2020
 Lot Number: 0244

Due Date: 12/17/2020
 Date Submitted: 12/14/2020
 Date From: 12/12/2020
 Date To: 12/12/2020

REVIEWED BY: _____ DATE: _____

Linearity, Calibration Verification, and Reported Range were evaluated in this instrument performance report. Performance goals for linearity should be established based on clinical need and results achieved. Each laboratory must evaluate the data provided and use it as a guide in determining its level of instrument or testing accuracy, as well as evaluating acceptable reportable ranges. Limits* should not exceed the instrument manufacturer's linearity specification. Flagged data is included in calculations for this product but is marked in the following pages.

- **Reported Range:** Establishes the minimum and maximum values within the performance criteria of your analyzer.
- **Calibration Verification*:** Verifies the accuracy of your instrument's calibration status throughout the reportable range.
- **Linear Regression:** The r value is the correlation coefficient for the linearity of the parameter. Correlation coefficient is the strength of the association of the observed data.
- **Graph:** The lines for Lab Mean and Low and High Limits* are best fit lines. Limits correspond to the expected ranges on the product assay.

**This data will only be provided for analyzers listed on the product assay.*

If you have any questions about the information contained in this report please contact our Technical Services department at 800-843-0912 ext. 7510.

Standard Calculations Provided

$$r = \frac{\overline{xy} - \bar{x}\bar{y}}{\sqrt{\overline{x^2} - (\bar{x})^2} \sqrt{\overline{y^2} - (\bar{y})^2}}$$

$$y(x) = mx + b$$

$$m = \frac{\overline{xy} - \bar{x}\bar{y}}{\overline{x^2} - (\bar{x})^2}$$

r = Correlation Coefficient
 m = Slope

y(x) = Line of Best Fit
 b = Y-intercept

For a detailed explanation of the STATS® report format or more information regarding QC concepts, please visit Streck online at: <http://www.streck.com>

Reported Range

Parameter Within Limits?

Parameter	Minimum	Maximum	r Value	Level 1	Level 2	Level 3	Level 4
RBC	0.35	6.15	0.99995	Yes	Yes	Yes	Yes
HGB	1.10	19.45	0.99998	Yes	Yes	Yes	Yes
WBC	0.75	91.45	0.99966	Yes	Yes	Yes	Yes
PLT	4.50	1200.75	0.99971	Yes	Yes	Yes	Yes

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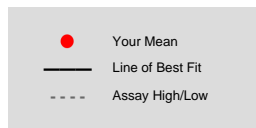
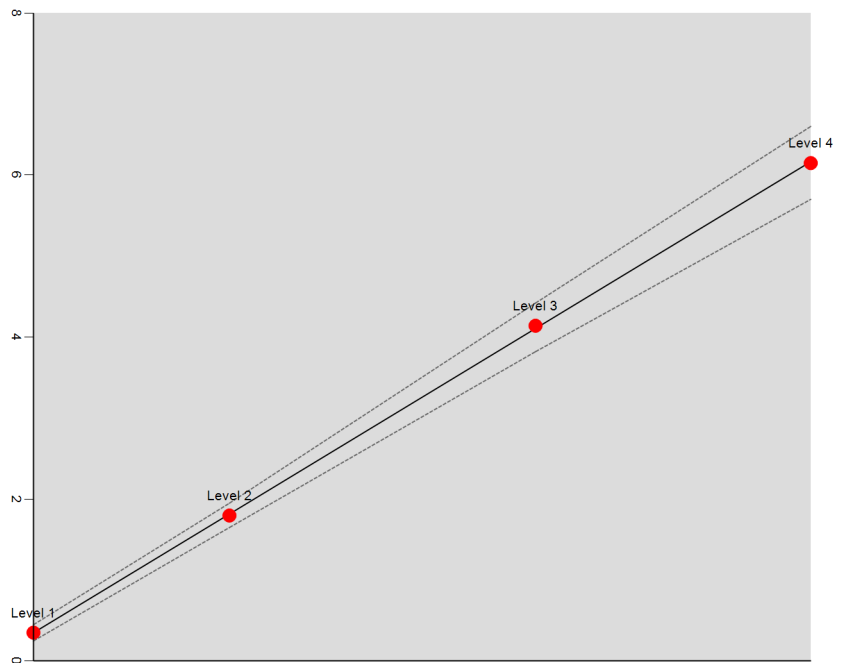
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RBC

	Run	Your Values	Mean	Group Mean	Group % Difference	Assay % Difference	Assay	Limits	Multiplication Factor
Level 1	1	0.36	0.35	0.35	-0.47%	0.71%	0.35	0.25 - 0.45	0.088
	2	0.36							
	3	0.34							
	4	0.35							
Level 2	1	1.81	1.80	1.80	0.09%	-0.14%	1.80	1.65 - 1.95	0.444
	2	1.78							
	3	1.79							
	4	1.81							
Level 3	1	4.14	4.14	4.12	0.57%	0.49%	4.12	3.82 - 4.42	1
	2	4.17							
	3	4.11							
	4	4.14							
Level 4	1	6.12	6.15	6.18	-0.59%	-0.04%	6.15	5.70 - 6.60	1.5
	2	6.17							
	3	6.18							
	4	6.12							



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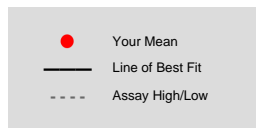
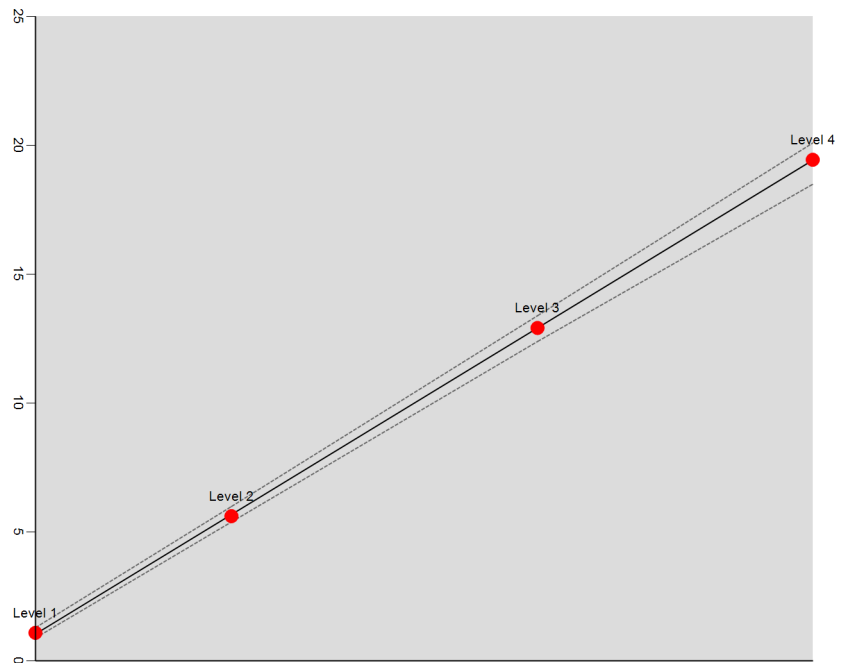
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HGB

	Run	Your Values	Mean	Group Mean	Group % Difference	Assay % Difference	Assay	Limits	Multiplication Factor
Level 1	1	1.1	1.1	1.1	-2.22%	0.00%	1.1	0.9 - 1.3	0.088
	2	1.1							
	3	1.1							
	4	1.1							
Level 2	1	5.7	5.6	5.6	0.00%	-1.32%	5.7	5.4 - 6.0	0.444
	2	5.6							
	3	5.6							
	4	5.6							
Level 3	1	12.9	12.9	12.9	0.26%	0.19%	12.9	12.4 - 13.4	1
	2	13.0							
	3	12.9							
	4	12.9							
Level 4	1	19.5	19.5	19.5	-0.30%	0.78%	19.3	18.5 - 20.1	1.5
	2	19.5							
	3	19.4							
	4	19.4							



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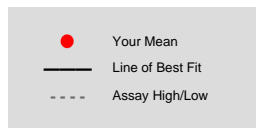
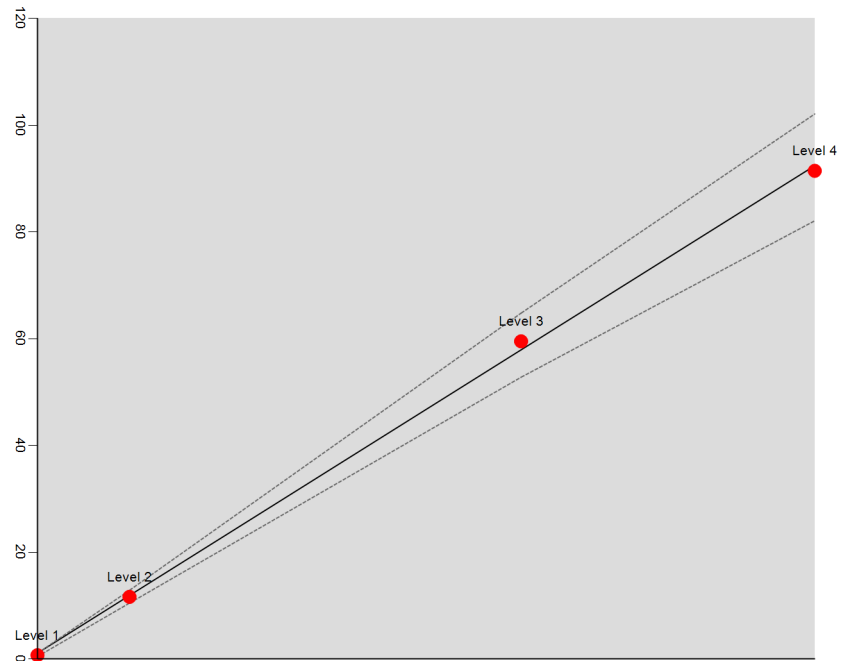
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WBC

	Run	Your Values	Mean	Group Mean	Group % Difference	Assay % Difference	Assay	Limits	Multiplication Factor
Level 1	1	0.7	0.8	0.7	2.27%	-6.25%	0.8	0.5 - 1.1	0.06
	2	0.8							
	3	0.8							
	4	0.7							
Level 2	1	11.5	11.7	11.7	0.21%	-0.21%	11.7	10.5 - 12.9	1
	2	11.8							
	3	11.7							
	4	11.7							
Level 3	1	59.5	59.5	59.2	0.62%	1.23%	58.8	52.8 - 64.8	5
	2	59.4							
	3	59.3							
	4	59.9							
Level 4	1	93.0	91.5	91.6	-0.18%	-0.71%	92.1	82.1 - 102.1	8
	2	93.0							
	3	92.0							
	4	87.8							



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PLT

	Run	Your Values	Mean	Group Mean	Group % Difference	Assay % Difference	Assay	Limits	Multiplication Factor
Level 1	1	7	5	6	-	25.00%	43.75%	0 - 16	0.0417
	2	5							
	3	3							
	4	3							
Level 2	1	257	270	283	-4.74%	-6.42%	288	253 - 323	1
	2	273							
	3	272							
	4	276							
Level 3	1	680	691	718	-3.78%	-3.66%	717	627 - 807	2.5
	2	700							
	3	703							
	4	680							
Level 4	1	1206	1201	1254	-4.23%	-4.70%	1260	1110 - 1410	4.5
	2	1196							
	3	1213							
	4	1188							

