



Lab 152

Monthly Evaluation  
Unassayed Chemistry

Lot 16610

Data For: 12-2012  
Lot Exp: 12-31-2012  
Printed: 05-14-2013  
Page 1



Dear Customer,

Attached are your QC reports for the month of 12-2012. Based on comparisons to the reported peer group, the parameters listed below may require investigation or review.

	Monthly:	SDI	CVR	# Labs	# Points
<b>Alkaline Phosphatase</b>					
PNPP, AMP Buffer	Level 1	2.50	0.56	91	4576
Beckman Coulter UniCel DxC 800	Level 2	2.53	0.56	91	4586
Dedicated Reagent					
U/L 37° C					

Corrective Action: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Reviewed by: \_\_\_\_\_

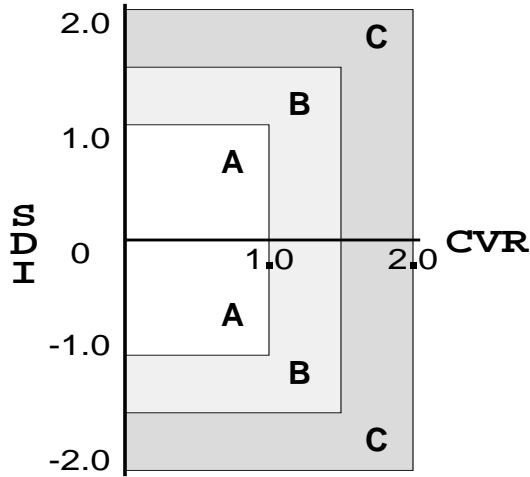
Date: \_\_\_\_\_

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Level 1	<p><b>Acetaminophen</b> Immunoturbidimetric Beckman Coulter UniCel DxC 800 Dedicated Reagent µmol/L</p> <table border="0"> <tr> <td></td> <td>Peer</td> <td>Method</td> </tr> <tr> <td>SDI:</td> <td>-0.32</td> <td>-0.28</td> </tr> <tr> <td>CVR:</td> <td>1.5</td> <td>1.4</td> </tr> <tr> <td># Labs:</td> <td>38</td> <td>44</td> </tr> <tr> <td># Points:</td> <td>1558</td> <td>1684</td> </tr> </table>		Peer	Method	SDI:	-0.32	-0.28	CVR:	1.5	1.4	# Labs:	38	44	# Points:	1558	1684	<p><b>Albumin</b> Bromocresol Purple (BCP) Beckman Coulter UniCel DxC 800 Dedicated Reagent g/L</p> <table border="0"> <tr> <td></td> <td>Peer</td> <td>Method</td> </tr> <tr> <td>SDI:</td> <td>0.21</td> <td>0.39</td> </tr> <tr> <td>CVR:</td> <td>0.5</td> <td>0.4</td> </tr> <tr> <td># Labs:</td> <td>91</td> <td>259</td> </tr> <tr> <td># Points:</td> <td>4016</td> <td>9682</td> </tr> </table>		Peer	Method	SDI:	0.21	0.39	CVR:	0.5	0.4	# Labs:	91	259	# Points:	4016	9682
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Level 2	<table border="0"> <tr> <td></td> <td>Peer</td> <td>Method</td> </tr> <tr> <td>SDI:</td> <td>-0.26</td> <td>-0.22</td> </tr> <tr> <td>CVR:</td> <td>1.1</td> <td>1.1</td> </tr> <tr> <td># Labs:</td> <td>39</td> <td>45</td> </tr> <tr> <td># Points:</td> <td>1631</td> <td>1744</td> </tr> </table>		Peer	Method	SDI:	-0.26	-0.22	CVR:	1.1	1.1	# Labs:	39	45	# Points:	1631	1744	<table border="0"> <tr> <td></td> <td>Peer</td> <td>Method</td> </tr> <tr> <td>SDI:</td> <td>0.27</td> <td>0.51</td> </tr> <tr> <td>CVR:</td> <td>0.3</td> <td>0.3</td> </tr> <tr> <td># Labs:</td> <td>91</td> <td>259</td> </tr> <tr> <td># Points:</td> <td>4025</td> <td>9621</td> </tr> </table>		Peer	Method	SDI:	0.27	0.51	CVR:	0.3	0.3	# Labs:	91	259	# Points:	4025	9621
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## Suggested Interpretation

The following interpretations should be used as guidelines only. Each laboratory should determine whether a review of accuracy and/or precision is necessary and whether corrective actions may be required.



- A** Acceptable Performance.
- B** Acceptable to Marginal Performance – May indicate the need to investigate test system accuracy or precision.
- C** Marginal Performance – Corrective action may be necessary.

- Your laboratory coordinates for accuracy and precision based on your peer group.
- Your laboratory coordinates for accuracy and precision based on the method group.

**Note:** SDI is a statistical estimate of accuracy.

**Note:** CVR is a ratio of monthly laboratory CV to monthly peer group CV and is an estimate of precision.

Corrective Action: \_\_\_\_\_

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Reviewed by: \_\_\_\_\_

Date: \_\_\_\_\_

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Analyte Method Units Temp Instrument/Kit Reagent	Level 1		Level 2	
	Mon	Cum	Mon	Cum
<b>Acetaminophen</b>				
Immunoturbidimetric µmol/L Beckman Coulter UniCel DxC 800 Dedicated Reagent				
Your Lab	Mean 74.00 SD 12.00 CV 16.2 (Peer) CVR 1.5 (Method) CVR 1.4 (Peer) SDI -0.32 (Method) SDI -0.28 # Points 58	71.49 9.43 13.2 1.1 1.1 -0.53 -0.51 998	601.0 27.60 4.6 1.1 1.1 -0.26 -0.22 53	587.4 25.29 4.3 0.9 0.9 -0.47 -0.46 1004
Peer Group Beckman Coulter UniCel DxC Series	Mean 76.74 SD 8.52 CV 11.1 # Points 1558 # Labs 38	76.38 9.25 12.1 42639 66	607.6 25.65 4.2 1631 39	601.0 28.62 4.8 43690 67
<b>Group Values by Method</b>	Mean 76.42 SD 8.73 CV 11.4 # Points 1684 # Labs 44	76.28 9.30 12.2 46909 81	606.8 25.76 4.2 1744 45	600.5 28.52 4.7 47882 83
<b>Albumin</b>				
Bromocresol Purple (BCP) g/L Beckman Coulter UniCel DxC 800 Dedicated Reagent				
Your Lab	Mean 28.00 SD 0.300 CV 1.1 (Peer) CVR 0.5 (Method) CVR 0.4 (Peer) SDI 0.21 (Method) SDI 0.39 # Points 50	28.00 0.345 1.2 0.6 0.5 0.17 0.43 935	44.00 0.300 0.7 0.3 0.3 0.27 0.51 50	44.00 0.514 1.2 0.6 0.5 0.24 0.54 987
Peer Group Beckman Coulter UniCel DxC Series	Mean 27.86 SD 0.647 CV 2.3 # Points 4016 # Labs 91	27.89 0.628 2.3 118005 160	43.76 0.908 2.1 4025 91	43.78 0.890 2.0 117637 156
<b>Group Values by Method</b>	Mean 27.70 SD 0.770 CV 2.8 # Points 9682 # Labs 259	27.68 0.759 2.7 255036 476	43.47 1.03 2.4 9621 259	43.43 1.06 2.4 254410 470
<b>Alkaline Phosphatase</b>				
PNPP, AMP Buffer U/L 37° C Beckman Coulter UniCel DxC 800 Dedicated Reagent				
<b>Your Lab</b>	Mean 119.0 SD 3.10 CV 2.6 (Peer) CVR 0.6 (Method) CVR 0.3 (Peer) SDI 2.50 (Method) SDI 1.89 # Points 60	106.7 5.78 5.4 1.1 0.6 -0.12 0.62 1195	496.0 9.90 2.0 0.6 0.2 2.53 2.01 57	458.1 17.06 3.7 1.1 0.3 0.05 1.10 1152
<b>Peer Group</b> Beckman Coulter UniCel DxC Series	Mean 106.6 SD 4.95 CV 4.6 # Points 4576 # Labs 91	107.3 5.22 4.9 123777 157	455.3 16.10 3.5 4586 91	457.3 14.92 3.3 122800 154

Analyte Method Units Temp Instrument/Kit Reagent	Level 1		Level 2			
	Mon	Cum	Mon	Cum		
<b>Group Values by Method</b>						
	Mean	100.7	100.5	411.0	409.0	
	SD	9.68	9.84	42.22	44.44	
	CV	9.6	9.8	10.3	10.9	
	# Points	17443	446805	17362	444519	
	# Labs	429	757	428	750	
<b>ALT (ALAT/GPT)</b>						
UV without P5P U/L 37° C						
Beckman Coulter UniCel DxC 800						
Dedicated Reagent						
Your Lab	Mean	31.00	31.86	91.00	92.89	
	SD	1.30	1.20	3.80	3.50	
	CV	4.2	3.8	4.2	3.8	
	(Peer) CVR	0.8	0.7	1.1	1.0	
	(Method) CVR	0.4	0.5	0.8	0.8	
	(Peer) SDI	-1.17	-0.71	-0.75	-0.24	
	(Method) SDI	0.15	0.29	-0.14	-0.02	
	# Points	60	1214	55	1136	
Peer Group	Mean	33.04	33.15	93.64	93.72	
Beckman Coulter UniCel DxC Series	SD	1.75	1.80	3.52	3.50	
	CV	5.3	5.4	3.8	3.7	
	# Points	4679	121105	4636	120877	
	# Labs	88	148	88	148	
<b>Group Values by Method</b>						
	Mean	30.55	31.10	91.68	92.98	
	SD	2.96	2.62	4.92	4.46	
	CV	9.7	8.4	5.4	4.8	
	# Points	11899	320202	11829	319154	
	# Labs	260	473	262	472	
<b>AST (ASAT/GOT)</b>						
UV without P5P U/L 37° C						
Beckman Coulter UniCel DxC 800						
Dedicated Reagent						
Your Lab	Mean	32.00	31.26	178.0	178.2	
	SD	1.70	1.16	4.20	3.93	
	CV	5.3	3.7	2.4	2.2	
	(Peer) CVR	1.1	0.8	0.6	0.6	
	(Method) CVR	0.7	0.6	0.4	0.4	
	(Peer) SDI	0.07	-0.53	-0.30	-0.35	
	(Method) SDI	0.50	-0.10	-0.29	-0.58	
	# Points	70	1262	62	1206	
Peer Group	Mean	31.90	32.02	180.2	180.6	
Beckman Coulter UniCel DxC Series	SD	1.50	1.44	7.21	6.83	
	CV	4.7	4.5	4.0	3.8	
	# Points	4367	116869	4378	116682	
	# Labs	84	145	85	145	
<b>Group Values by Method</b>						
	Mean	30.89	31.46	180.9	183.9	
	SD	2.23	2.02	9.96	9.83	
	CV	7.2	6.4	5.5	5.3	
	# Points	11482	317126	11514	315853	
	# Labs	256	466	260	468	



Lab 152

# Laboratory Histogram Unassayed Chemistry

Lot 16610

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