CLSI EP9 Method Comparison

X Method: ACE506 (Hit 717) **Y Method: ACE506 c8000**

Regression Analysis

	Deming	Regular
Slope:	0.996 (0.993 to 0.998)	0.995 (0.993 to 0.998)
Intercept:	-3.8 (-6.8 to -0.9)	-3.6 (-6.6 to -0.6)
Std Err Est:	12.5	12.5

95% Confidence Intervals are shown in parentheses

Preliminary Data Examination

Within-method outlier analysis	PASS	Acceptability Limits: X: 40 or 5.2%, Y: 13 or 1.7% Number of outliers: 0 of 101 pairs
Between-method outlier analysis	PASS	Acceptability Limits: 45 or 5.8% Number of outliers: 0 of 101 pairs
Visual check for linear relationship	_____	SubRange Bounds: None
Test for adequate number of results	PASS	N = 101 pairs
Test for adequate range of results	PASS	R = 0.9999
Visual check for uniform scatter	FAIL	Computed precision ratio of 6.09 is outside of normal limits

User's Specifications

Medically Allowable Error	24.0 umol/L or 30.0%	SubRange Bounds:	None
		Scatter Plot Bounds:	None

Experiment Description

	X Method	Y Method
Date:	26 Jun 2015	26 Jun 2015
Rep SD:	10.202	3.2889
Result Ranges:	8 to 2481	8 to 2482
Units:	umol/L	umol/L
Comment:		
Analyst:	Lorna	Lorna

Accepted by: _____ _____

Signature Date

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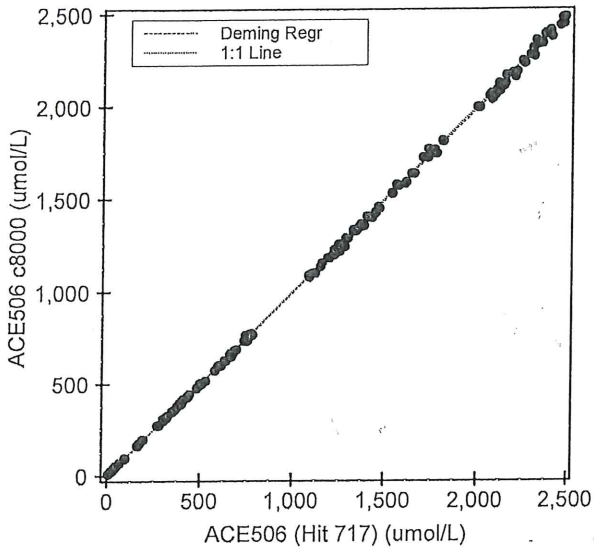
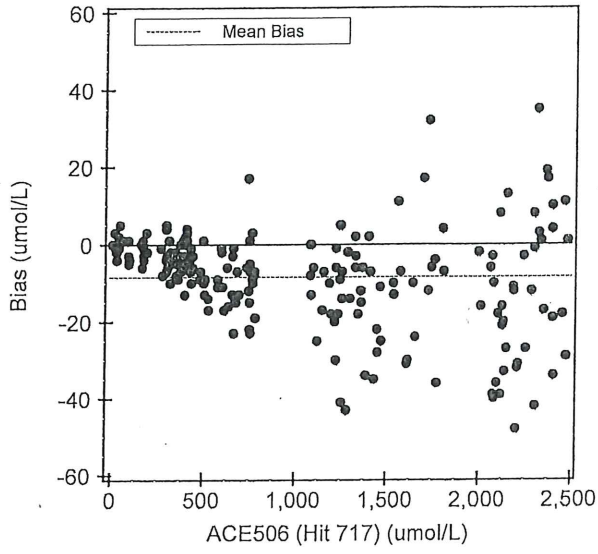
Individual Results Plotted

Scatter Plot

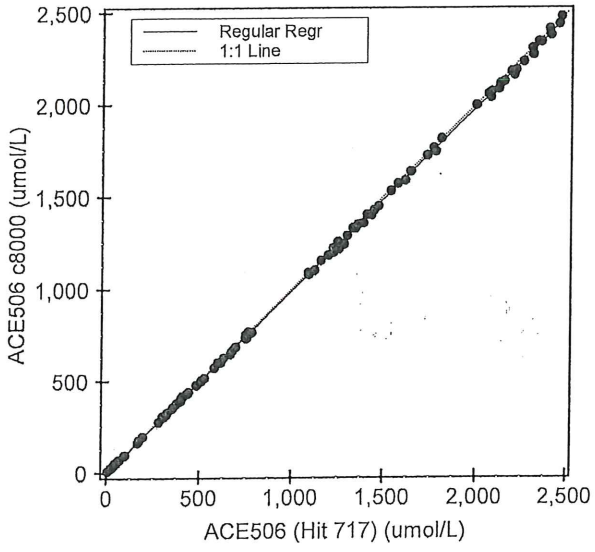


Bias Plot

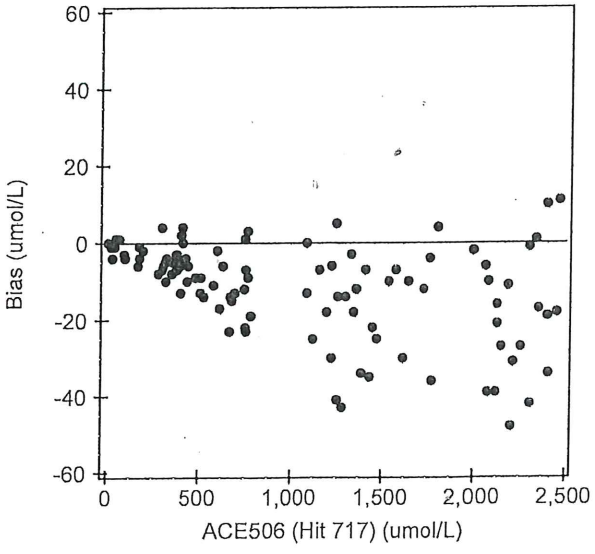


Means of Replicate Results Plotted

Scatter Plot



Bias Plot



CLSI EP9 Method Comparison

X Method: ACE506 (Hit 717) **Y Method: ACE506 c8000**

Experimental Results

Spec ID		Y (Test) Result	Diff	X (Comp) Result	Diff	Bias (Y-X)	Calc'd Y	Resid
S00001		23		20		3	16.1	6.9
		22	1	23	-3	-1	19.1	2.9
S00002		307		302		5	296.9	10.1
		306	1	302	0	4	296.9	9.1
S00003		1325		1331		-6	1321.4	3.6
		1328	-3	1346	-15	-18	1336.4	-8.4
S00004		1085		1085		0	1076.5	8.5
		1089	-4	1089	-4	0	1080.5	8.5
S00005		503		502		1	496.0	7.0
		503	0	512	-10	-9	506.0	-3.0
S00006		762		745		17	738.0	24.0
		753	9	752	-7	1	744.9	8.1
S00007		1722		1705		17	1693.8	28.2
		1721	1	1733	-28	-12	1721.7	-0.7
S00008		2310		2302		8	2288.2	21.8
		2304	6	2305	-3	-1	2291.2	12.8
S00009		1994		2010		-16	1997.5	-3.5
		1996	-2	1998	12	-2	1985.6	10.4
S00010		1575		1564		11	1553.4	21.6
		1570	5	1577	-13	-7	1566.4	3.6
S00011		416		413		3	407.4	8.6
		415	1	411	2	4	405.4	9.6
S00012		69		68		1	63.9	5.1
		68	1	67	1	1	62.9	5.1
S00013		1135		1152		-17	1143.2	-8.2
		1153	-18	1160	-8	-7	1151.2	1.8
S00014		1405		1412		-7	1402.1	2.9
		1402	3	1409	3	-7	1399.1	2.9
S00015		598		599		-1	592.6	5.4
		600	-2	602	-3	-2	595.6	4.4
S00016		415		414		1	408.4	6.6
		413	2	413	1	0	407.4	5.6
S00017		2392		2375		17	2360.9	31.1
		2384	8	2403	-28	-19	2388.8	-4.8
S00018		173		172		1	167.4	5.6
		174	-1	178	-6	-4	173.4	0.6
S00019		318		317		1	311.8	6.2
		316	2	321	-4	-5	315.8	0.2
S00020	*X*	*2523*		*2546*				
	X	*2504*		*2531*				
S00021		1252		1259		-7	1249.7	2.3
		1246	6	1260	-1	-14	1250.7	-4.7
S00022		373		379		-6	373.5	-0.5
		374	-1	381	-2	-7	375.5	-1.5
S00023		658		661		-3	654.3	3.7
		659	-1	673	-12	-14	666.3	-7.3
S00024		2087		2105		-18	2092.1	-5.1
		2082	5	2121	-16	-39	2108.0	-26.0
S00025		738		753		-15	745.9	-7.9
		737	1	749	4	-12	741.9	-4.9
S00026		27		29		-2	25.0	2.0
		27	0	31	-2	-4	27.0	0.0
S00027		297		301		-4	295.9	1.1
		296	1	303	-2	-7	297.9	-1.9
S00028		1364		1370		-6	1360.3	3.7
		1355	9	1389	-19	-34	1379.2	-24.2
S00029		1200		1220		-20	1210.9	-10.9
		1197	3	1227	-7	-30	1217.9	-20.9
S00030		496		506		-10	500.0	-4.0
		497	-1	510	-4	-13	504.0	-7.0
S00031		760		770		-10	762.8	-2.8
		759	1	768	2	-9	760.9	-1.9
S00032		1743		1749		-6	1737.6	5.4
		1743	0	1779	-30	-36	1767.5	-24.5
S00033		2332		2329		3	2315.1	16.9
		2338	-6	2355	-26	-17	2341.0	-3.0
S00034		2043		2083		-40	2070.2	-27.2
		2038	5	2077	6	-39	2064.2	-26.2
S00035		1581		1612		-31	1601.2	-20.2
		1587	-6	1617	-5	-30	1606.2	-19.2
S00036		425		432		-7	426.3	-1.3
		425	0	429	3	-4	423.3	1.7
S00037		91		96		-5	91.7	-0.7
		91	0	94	2	-3	89.8	1.2
S00038		1181		1191		-10	1182.0	-1.0
		1182	-1	1200	-9	-18	1191.0	-9.0
S00039		1424		1452		-28	1441.9	-17.9
		1426	-2	1448	4	-22	1437.9	-11.9
S00040		596		607		-11	600.5	-4.5
		599	-3	616	-9	-17	609.5	-10.5
S00041		406		406		0	400.4	5.6
		406	0	404	2	2	398.4	7.6
S00042		2404		2400		4	2385.8	18.2
		2410	-6	2400	0	10	2385.8	24.2
S00043		174		177		-3	172.4	1.6
		175	-1	176	1	-1	171.4	3.6
S00044		324		326		-2	320.8	3.2
		324	0	328	-2	-4	322.7	1.3
S00045	*X*	*2481*		*2499*				
	X	*2488*		*2511*				
S00046		1252		1247		5	1237.8	14.2
		1256	-4	1251	-4	5	1241.8	14.2
S00047		378		378		0	372.5	5.5
		377	1	380	-2	-3	374.5	2.5
S00048		664		665		-1	658.3	5.7
		665	-1	680	-15	-15	673.2	-8.2
S00049		2115		2135		-20	2122.0	-7.0
		2112	3	2128	7	-16	2115.0	-3.0
S00050		749		754		-5	746.9	2.1
		749	0	756	-2	-7	748.9	0.1
S00051		8		8		0	4.1	3.9
		8	0	8	0	0	4.1	3.9
S00052		272		273		-1	268.0	4.0
		274	-2	282	-9	-8	276.9	-2.9
S00053		1288		1290		-2	1280.6	7.4
		1287	1	1301	-11	-14	1291.6	-4.6
S00054		1079		1087		-8	1078.5	0.5
		1078	1	1091	-4	-13	1082.5	-4.5
S00055		479		486		-7	480.1	-1.1
		476	3	485	1	-9	479.1	-3.1

Calculated values and residuals from Deming regression. Values marked with an "X" were excluded from the calculations. Outliers "O" were also excluded.

CLSI EP9 Method Comparison

X Method: ACE506 (Hit 717) **Y Method: ACE506 c8000**

Experimental Results

Spec ID	Y (Test) Result	Diff	X (Comp) Result	Diff	Bias (Y-X)	Calc'd Y	Resid
S00056	736		748		-12	740.9	-4.9
	732	4	754	-6	-22	746.9	-14.9
S00057	1767		1735		32	1723.7	43.3
	1763	4	1767	-32	-4	1755.6	7.4
S00058	2277		2289		-12	2275.3	1.7
	2268	9	2310	-21	-42	2296.2	-28.2
S00059	2167		2154		13	2140.9	26.1
	2158	9	2206	-52	-48	2192.7	-34.7
S00060	1528		1541		-13	1530.5	-2.5
	1529	-1	1539	2	-10	1528.5	0.5
S00061	403		402		1	396.4	6.6
	402	1	407	-5	-5	401.4	0.6
S00062	52		47		5	43.0	9.0
	51	1	50	-3	1	45.9	5.1
S00063	1097		1103		-6	1094.4	2.6
	1100	-3	1125	-22	-25	1116.3	-16.3
S00064	1347		1362		-15	1352.3	-5.3
	1348	-1	1360	-2	-12	1350.3	-2.3
S00065	572		581		-9	574.7	-2.7
	571	1	582	-1	-11	575.7	-4.7
S00066	393		392		1	386.5	6.5
	391	2	397	-5	-6	391.5	-0.5
S00067	2355		2320		35	2306.2	48.8
	2340	15	2339	-19	1	2325.1	14.9
S00068	162		162		0	157.5	4.5
	163	-1	169	-7	-6	164.4	-1.4
S00069	305		308		-3	302.8	2.2
	304	1	310	-2	-6	304.8	-0.8
S00070	2446		2475		-29	2460.5	-14.5
	2436	10	2454	21	-18	2439.6	-3.6
S00071	1219		1237		-18	1227.8	-8.8
	1216	3	1257	-20	-41	1247.7	-31.7
S00072	356		365		-9	359.6	-3.6
	356	0	361	4	-5	355.6	0.4
S00073	647		660		-13	653.3	-6.3
	646	1	669	-9	-23	662.3	-16.3
S00074	2062		2098		-36	2085.1	-23.1
	2057	5	2063	35	-6	2050.3	6.7
S00075	733		739		-6	732.0	1.0
	734	-1	757	-18	-23	749.9	-15.9
S00076	42		40		2	36.0	6.0
	41	1	42	-2	-1	38.0	3.0
S00077	316		319		-3	313.8	2.2
	314	2	324	-5	-10	318.8	-4.8
S00078	1404		1402		2	1392.1	11.9
	1399	5	1434	-32	-35	1424.0	-25.0
S00079	1239		1248		-9	1238.8	0.2
	1241	-2	1284	-36	-43	1274.6	-33.6
S00080	515		532		-17	525.9	-10.9
	515	0	529	3	-14	522.9	-7.9
S00081	771		778		-7	770.8	0.2
	769	2	766	12	3	758.9	10.1
S00082	1809		1816		-7	1804.3	4.7
	1814	-5	1810	6	4	1798.4	15.6
S00083	2387		2368		19	2354.0	33.0
	2375	12	2409	-41	-34	2394.8	-19.8
S00084	2070		2073		-3	2060.2	9.8
	2070	0	2080	-7	-10	2067.2	2.8
S00085	1635		1659		-24	1648.0	-13.0
	1635	0	1645	14	-10	1634.1	0.9
S00086	442		445		-3	439.2	2.8
	437	5	443	2	-6	437.3	-0.3
S00087	95		94		1	89.8	5.2
	94	1	98	-4	-4	93.7	0.3
S00088	1225		1226		-1	1216.9	8.1
	1220	5	1226	0	-6	1216.9	3.1
S00089	1455		1466		-11	1455.8	-0.8
	1447	8	1472	-6	-25	1461.8	-14.8
S00090	624		640		-16	633.4	-9.4
	626	-2	632	8	-6	625.4	0.6
S00091	434		435		-1	429.3	4.7
	428	6	438	-3	-10	432.3	-4.3
S00092	2482		2481		1	2466.5	15.5
	2476	6	2465	16	11	2450.5	25.5
S00093	195		192		3	187.3	7.7
	195	0	197	-5	-2	192.3	2.7
S00094	347		349		-2	343.7	3.3
	347	0	355	-6	-8	349.6	-2.6
S00095	*X* *2466*		*2517*				
	X *2472*		*2497*				
S00096	1332		1330		2	1320.4	11.6
	1329	3	1332	-2	-3	1322.4	6.6
S00097	396		399		-3	393.4	2.6
	389	7	402	-3	-13	396.4	-7.4
S00098	679		686		-7	679.2	-0.2
	684	-5	697	-11	-13	690.2	-6.2
S00099	2179		2211		-32	2197.6	-18.6
	2178	1	2189	-10	-11	2175.7	2.3
S00100	769		777		-8	769.8	-0.8
	764	5	783	-6	-19	775.8	-11.8
S00101	*X* *2537*		*2555*				
	X *2525*		*2531*				
S00102	2123		2115		8	2102.1	20.9
	2124	-1	2151	-36	-27	2137.9	-13.9
S00103	2243		2246		-3	2232.5	10.5
	2231	12	2258	-12	-27	2244.4	-13.4
S00104	2108		2141		-33	2127.9	-19.9
	2108	0	2129	12	-21	2116.0	-8.0
S00105	2180		2192		-12	2178.7	1.3
	2185	-5	2216	-24	-31	2202.6	-17.6

Calculated values and residuals from Deming regression. Values marked with an "X" were excluded from the calculations. Outliers "O" were also excluded.