

**Comparative Evaluation
2015 Chemistry - 3rd Event**

Customer No: **41964** Kit No: 1
 CLIA No: 15D0360519
 Address: Lori Jones
 Mid America Clinical Laboratories
 473 Greenville Avenue
 SV Randolph Laboratory
 Winchester, IN 47394

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:

$$SDI = \frac{\text{Reported Result} - \text{Comparison Group Mean}}{\text{Comparison Group Standard Deviation}}$$

Analytes that are scored for CMS are designated by (**).

ALCOHOL / ACETONE							
<u>Analyte / Method</u>	<u>Sample</u>	<u>Reported Result</u>	<u>Expected Result</u>				<u>Grade</u>
Acetone Bayer Acetest	ALC-11	Small (20 mg/dL)	Small (20 mg/dL)				Acceptable
			Moderate (30-40 mg/dL)				
			Large (80-100 mg/dL)				
	ALC-12	Negative	Negative				Acceptable
	ALC-13	Small (20 mg/dL)	Small (20 mg/dL)				Acceptable
			Moderate (30-40 mg/dL)				
	ALC-14	Negative	Negative				Acceptable
	ALC-15	Negative	Negative				Acceptable
<u>Analyte / Method</u>	<u>Sample</u>	<u>Reported Result</u>	<u>Expected Result</u>	<u>Mean</u>	<u>SD</u>	<u>SDI</u>	<u>Grade</u>
Alcohol (mg/dL) **	ALC-11	213	155 - 259	206.9	7.6	0.8	Acceptable
Beckman UniCel Dx C 600, 800 / Beckman Synchron reagent	ALC-12	26	16 - 37	26.4	2.0	-0.2	Acceptable
	ALC-13	73	53 - 89	71.2	3.1	0.6	Acceptable
	ALC-14	142	105 - 176	140.1	4.8	0.4	Acceptable
	ALC-15	183	134 - 224	179.1	6.0	0.7	Acceptable

AMMONIA							
<u>Analyte / Method</u>	<u>Sample</u>	<u>Reported Result</u>	<u>Expected Result</u>	<u>Mean</u>	<u>SD</u>	<u>SDI</u>	<u>Grade</u>
Ammonia (umol/L)	AM-05	128	126 - 147	136.7	3.5	-2.5	Acceptable
Beckman UniCel Dx C 600, 800 / Beckman Synchron reagent	AM-06	39	29 - 50	39.7	3.3	-0.2	Acceptable

BLOOD GAS							
<u>Analyte / Method</u>	<u>Sample</u>	<u>Reported Result</u>	<u>Expected Result</u>	<u>Mean</u>	<u>SD</u>	<u>SDI</u>	<u>Grade</u>
Calcium, Ionized (Blood Gas) (mmol/L) Roche cobas b 221	BG-11	2.45	0.87 - 1.08	0.973	0.033	44.8	Unacceptable
	BG-12	0.80	0.74 - 0.87	0.804	0.020	-0.2	Acceptable
	BG-13	1.11	1.03 - 1.22	1.120	0.030	-0.3	Acceptable
	BG-14	1.35	1.20 - 1.46	1.331	0.041	0.5	Acceptable
	BG-15	0.51	0.44 - 0.60	0.518	0.025	-0.3	Acceptable
pCO2 (Blood Gas) (mmHg) ** Roche cobas b 221	BG-11	52	50 - 61	55.3	1.7	-1.9	Acceptable
	BG-12	34	28 - 39	33.1	0.7	1.3	Acceptable
	BG-13	38	32 - 43	37.1	0.9	1.0	Acceptable
	BG-14	71	66 - 78	72.1	1.7	-0.6	Acceptable
	BG-15	22	17 - 27	22.0	0.7	0.0	Acceptable
pH (Blood Gas) ** Roche cobas b 221	BG-11	7.29	7.20 - 7.29	7.246	0.012	3.7	Acceptable
	BG-12	7.48	7.43 - 7.52	7.479	0.007	0.1	Acceptable
	BG-13	7.43	7.38 - 7.47	7.427	0.008	0.4	Acceptable
	BG-14	7.15	7.10 - 7.19	7.148	0.008	0.3	Acceptable
	BG-15	7.60	7.55 - 7.64	7.599	0.008	0.1	Acceptable
pO2 (Blood Gas) (mmHg) ** Roche cobas b 221	BG-11	126	138 - 171	154.2	5.3	-5.3	Unacceptable
	BG-12	233	187 - 244	215.2	9.4	1.9	Acceptable
	BG-13	112	96 - 123	109.8	4.4	0.5	Acceptable
	BG-14	174	155 - 198	176.8	7.0	-0.4	Acceptable
	BG-15	139	120 - 154	137.2	5.6	0.3	Acceptable

BLOOD OXIMETRY							
<u>Analyte / Method</u>	<u>Sample</u>	<u>Reported Result</u>	<u>Expected Result</u>	<u>Mean</u>	<u>SD</u>	<u>SDI</u>	<u>Grade</u>

BLOOD OXIMETRY - continued

<u>Analyte / Method</u>	<u>Sample</u>	<u>Reported Result</u>	<u>Expected Result</u>	<u>Mean</u>	<u>SD</u>	<u>SDI</u>	<u>Grade</u>
Carboxyhemoglobin (%) Roche cobas b 221	BLX-11	3.2	0.3 - 6.4	3.36	0.15	-1.1	Acceptable
	BLX-12	15.2	12.3 - 18.4	15.37	0.14	-1.2	Acceptable
	BLX-13	> 43.0	40.1 - 46.2	43.14	0.16		Acceptable
	BLX-14	15.2	12.3 - 18.4	15.36	0.14	-1.1	Acceptable
	BLX-15	3.5	0.7 - 6.7	3.70	0.17	-1.2	Acceptable
Hemoglobin (Blood Oximetry) (g/dL) Roche cobas b 221	BLX-11	7.5	6.9 - 8.1	7.52	0.06	-0.3	Acceptable
	BLX-12	12.8	12.0 - 13.9	12.91	0.10	-1.1	Acceptable
	BLX-13	16.0	15.0 - 17.3	16.15	0.13	-1.2	Acceptable
	BLX-14	12.8	11.9 - 13.9	12.90	0.10	-1.0	Acceptable
	BLX-15	7.4	6.8 - 8.0	7.41	0.06	-0.2	Acceptable
Methemoglobin (%) Roche cobas b 221	BLX-11	0.4	0.0 - 2.5	0.45	0.09	-0.6	Acceptable
	BLX-12	0.5	0.0 - 2.5	0.45	0.09	0.6	Acceptable
	BLX-13	0.5	0.0 - 2.6	0.59	0.11	-0.8	Acceptable
	BLX-14	0.5	0.0 - 2.5	0.46	0.12	0.3	Acceptable
	BLX-15	0.5	0.0 - 2.5	0.46	0.09	0.4	Acceptable
Oxyhemoglobin (%) Roche cobas b 221	BLX-11	96.0	92.7 - 98.8	95.76	0.37	0.6	Acceptable
	BLX-12	84.0	80.6 - 86.6	83.60	0.27	1.5	Acceptable
	BLX-13	56.0	52.2 - 58.2	55.20	0.41	2.0	Acceptable
	BLX-14	84.0	80.6 - 86.7	83.62	0.29	1.3	Acceptable
	BLX-15	96.0	92.3 - 98.4	95.32	0.33	2.1	Acceptable

CARDIAC MARKERS

<u>Analyte / Method</u>	<u>Sample</u>	<u>Reported Result</u>	<u>Expected Result</u>	<u>Mean</u>	<u>SD</u>	<u>SDI</u>	<u>Grade</u>
BNP (CM) (pg/mL) AlereBiositeTriage BNP Test	CM-11	314.0	234.9 - 519.9	377.38	47.48	-1.3	Acceptable
	CM-12	549.0	405.8 - 927.0	666.40	86.86	-1.4	Acceptable
	CM-13	48.0	34.3 - 70.5	52.40	6.03	-0.7	Acceptable
	CM-14	1,530.0	972.7 - 2,600.8	1,786.74	271.33	-0.9	Acceptable
	CM-15	988.0	640.5 - 1,556.6	1,098.55	152.68	-0.7	Acceptable
CK-MB (ng/mL) ** AlereBiositeTriageCardiac-EDTA	CM-11	7.9	4.3 - 12.0	8.15	1.26	-0.2	Acceptable
	CM-12	16.1	7.2 - 20.2	13.70	2.15	1.1	Acceptable
	CM-13	2.7	0.0 - 5.9	2.88	0.51	-0.4	Acceptable
	CM-14	36.6	22.2 - 62.2	42.21	6.64	-0.8	Acceptable
	CM-15	26.2	12.8 - 34.9	23.88	3.67	0.6	Acceptable
D-dimer (CM) (ug/L) Alere (Biosite) Triage / AlereBiositeTriage D-Dimer	CM-11	839	587 - 1,095	841.0	84.4	0.0	Acceptable
	CM-12	998	713 - 1,312	1,012.5	99.8	-0.1	Acceptable
	CM-13	625	450 - 864	657.1	68.9	-0.5	Acceptable
	CM-14	1,960	1,348 - 2,754	2,051.0	234.3	-0.4	Acceptable
	CM-15	1,410	897 - 1,818	1,357.2	153.4	0.3	Acceptable
Troponin I (CM) (ng/mL) AlereBiositeTriageCardiac-EDTA	CM-11	0.66	0.24 - 1.11	0.674	0.142	0.0	Acceptable
	CM-12	2.18	0.57 - 3.13	1.851	0.426	0.8	Acceptable
	CM-13	< 0.05	0.00 - 0.35	0.050	0.002		Acceptable
	CM-14	9.86	5.63 - 17.87	11.747	2.038	-0.9	Acceptable
	CM-15	4.84	1.92 - 8.26	5.093	1.055	-0.2	Acceptable

CELL COUNT (MANUAL)

<u>Analyte / Method</u>	<u>Sample</u>	<u>Reported Result</u>	<u>Expected Result</u>	<u>Mean</u>	<u>SD</u>	<u>SDI</u>	<u>Grade</u>
Basophils (CSF/body fluid) (%)	BFL-03	Lab reported test problem	0 - 3	0.0	0.0		Not Graded
Eosinophils (CSF/body fluid) (%)	BFL-03	Lab reported test problem	0 - 6	0.0	0.0		Not Graded
Lymphocytes (CSF/body fluid) (%)	BFL-03	Lab reported test problem	3 - 44	23.5	11.6		Not Graded
Monocytes (CSF/body fluid) (%)	BFL-03	Lab reported test problem	0 - 21	1.0	0.0		Not Graded
Neutrophils (CSF/body fluid) (%)	BFL-03	Lab reported test problem	52 - 92	72.0	11.9		Not Graded
RBC (manual - CSF/BF) (cells/uL) Hemocytometer	BFL-03	11	0 - 21	9.8	3.5	0.3	Acceptable
WBC (manual - CSF/BF) (cells/uL) Hemocytometer	BFL-03	4	0 - 16	6.9	2.8	-1.0	Acceptable

CHEMISTRY

<u>Analyte / Method</u>	<u>Sample</u>	<u>Reported Result</u>	<u>Expected Result</u>	<u>Mean</u>	<u>SD</u>	<u>SDI</u>	<u>Grade</u>
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CHEMISTRY - continued							
<u>Analyte / Method</u>	<u>Sample</u>	<u>Reported Result</u>	<u>Expected Result</u>	<u>Mean</u>	<u>SD</u>	<u>SDI</u>	<u>Grade</u>
Albumin (g/dL) ** Beckman UniCel DxC 600, 800 / Beckman Synchron BCP	CH-11	2.5	2.1 - 2.7	2.43	0.06	1.2	Acceptable
	CH-12	2.8	2.4 - 3.1	2.77	0.07	0.4	Acceptable
	CH-13	2.8	2.5 - 3.1	2.80	0.06	0.0	Acceptable
	CH-14	3.2	2.8 - 3.5	3.13	0.07	1.0	Acceptable
	CH-15	1.5	1.3 - 1.7	1.49	0.04	0.3	Acceptable
Alkaline Phosphatase (U/L) ** Beckman UniCel DxC 600, 800 / Beckman Synchron reagent	CH-11	337	235 - 439	337.1	15.0	0.0	Acceptable
	CH-12	273	196 - 366	281.0	12.9	-0.6	Acceptable
	CH-13	148	100 - 186	142.9	7.2	0.7	Acceptable
	CH-14	88	59 - 111	85.3	4.0	0.7	Acceptable
	CH-15	107	74 - 138	105.8	5.0	0.2	Acceptable
ALT / SGPT (U/L) ** Beckman UniCel DxC 600, 800 / Beckman Synchron reagent w/o P5P	CH-11	253	202 - 304	253.1	3.8	0.0	Acceptable
	CH-12	213	172 - 259	215.1	3.3	-0.6	Acceptable
	CH-13	115	93 - 140	116.6	2.0	-0.8	Acceptable
	CH-14	75	62 - 93	77.5	1.7	-1.5	Acceptable
	CH-15	80	65 - 98	81.3	1.8	-0.7	Acceptable
Amylase (U/L) ** Beckman UniCel DxC 600, 800 / Beckman AMY7 Ref A71607	CH-11	148	107 - 200	153.7	3.6	-1.6	Acceptable
	CH-12	139	96 - 180	137.9	3.4	0.3	Acceptable
	CH-13	86	62 - 116	89.0	2.2	-1.4	Acceptable
	CH-14	70	50 - 95	72.6	2.1	-1.2	Acceptable
	CH-15	53	38 - 72	55.1	1.8	-1.2	Acceptable
AST / SGOT (U/L) ** Beckman UniCel DxC 600, 800 / Beckman Synchron reagent w/o P5P	CH-11	226	176 - 265	220.7	9.4	0.6	Acceptable
	CH-12	182	147 - 221	184.0	9.0	-0.2	Acceptable
	CH-13	99	79 - 120	99.2	5.1	0.0	Acceptable
	CH-14	66	53 - 81	67.1	3.5	-0.3	Acceptable
	CH-15	64	53 - 80	66.3	3.4	-0.7	Acceptable
Bilirubin, Direct (mg/dL) Beckman UniCel DxC 600, 800 / Beckman Synchron reagent	CH-11	2.0	1.5 - 2.4	1.91	0.11	0.8	Acceptable
	CH-12	1.7	1.2 - 2.1	1.70	0.10	0.0	Acceptable
	CH-13	1.1	0.6 - 1.5	1.06	0.07	0.6	Acceptable
	CH-14	0.8	0.4 - 1.3	0.84	0.06	-0.7	Acceptable
	CH-15	0.6	0.1 - 1.0	0.59	0.04	0.3	Acceptable
Bilirubin, Total (mg/dL) ** Beckman UniCel DxC 600, 800 / Beckman Synchron reagent	CH-11	4.9	3.9 - 6.0	4.96	0.21	-0.3	Acceptable
	CH-12	4.5	3.5 - 5.4	4.42	0.21	0.4	Acceptable
	CH-13	2.8	2.2 - 3.4	2.81	0.16	0.0	Acceptable
	CH-14	2.1	1.8 - 2.8	2.30	0.14	-1.4	Acceptable
	CH-15	1.8	1.2 - 2.1	1.67	0.13	1.0	Acceptable
Calcium, Total (mg/dL) ** Beckman UniCel DxC 600, 800 / Beckman ISE	CH-11	13.8	12.6 - 14.7	13.64	0.20	0.8	Acceptable
	CH-12	11.9	11.1 - 13.2	12.16	0.19	-1.4	Acceptable
	CH-13	9.5	8.6 - 10.7	9.62	0.15	-0.8	Acceptable
	CH-14	8.0	7.0 - 9.1	8.07	0.13	-0.5	Acceptable
	CH-15	10.5	9.7 - 11.8	10.72	0.15	-1.5	Acceptable
Chloride (mmol/L) ** Beckman UniCel DxC 600, 800	CH-11	89	84 - 94	89.4	1.2	-0.3	Acceptable
	CH-12	96	91 - 102	96.6	1.3	-0.5	Acceptable
	CH-13	107	102 - 114	108.2	1.3	-0.9	Acceptable
	CH-14	115	109 - 121	115.2	1.4	-0.1	Acceptable
	CH-15	101	97 - 109	103.1	1.4	-1.5	Acceptable
CO2 (mmol/L) Beckman UniCel DxC ISE	CH-11	12	9 - 16	12.9	1.0	-0.9	Acceptable
	CH-12	18	14 - 21	17.6	0.9	0.4	Acceptable
	CH-13	25	22 - 29	25.7	1.1	-0.6	Acceptable
	CH-14	30	27 - 35	31.0	1.3	-0.8	Acceptable
	CH-15	24	21 - 30	25.5	1.2	-1.3	Acceptable

CHEMISTRY - continued

<u>Analyte / Method</u>	<u>Sample</u>	<u>Reported Result</u>	<u>Expected Result</u>	<u>Mean</u>	<u>SD</u>	<u>SDI</u>	<u>Grade</u>
Creatine Kinase / CK (U/L) ** Beckman UniCel DxC 600, 800 / Beckman Synchron reagent	CH-11	179	124 - 232	178.4	5.1	0.1	Acceptable
	CH-12	233	162 - 303	232.8	5.8	0.0	Acceptable
	CH-13	253	176 - 328	252.0	6.3	0.2	Acceptable
	CH-14	307	216 - 403	309.4	7.4	-0.3	Acceptable
	CH-15	69	50 - 94	71.6	2.4	-1.1	Acceptable
Creatinine (mg/dL) ** Beckman UniCel DxC 600, 800 / Beckman Synchron CREM, CR-S	CH-11	5.5	4.4 - 6.1	5.23	0.14	1.9	Acceptable
	CH-12	4.3	3.6 - 4.9	4.24	0.12	0.5	Acceptable
	CH-13	2.2	1.7 - 2.5	2.10	0.08	1.3	Acceptable
	CH-14	1.2	0.8 - 1.5	1.12	0.07	1.1	Acceptable
	CH-15	1.8	1.4 - 2.1	1.75	0.07	0.7	Acceptable
Glucose (mg/dL) ** Beckman UniCel DxC 600, 800 / Beckman Synchron electrode	CH-11	246	221 - 271	245.7	3.4	0.1	Acceptable
	CH-12	191	176 - 216	196.1	2.6	-2.0	Acceptable
	CH-13	112	96 - 119	107.4	1.8	2.6	Acceptable
	CH-14	58	51 - 63	57.0	1.7	0.6	Acceptable
	CH-15	128	117 - 144	130.4	2.3	-1.0	Acceptable
Lactic Acid (mmol/L) Beckman UniCel DxC 600, 800 / Beckman Synchron reagent	CH-11	3.7	3.4 - 4.3	3.81	0.08	-1.4	Acceptable
	CH-12	4.3	4.0 - 4.9	4.45	0.09	-1.7	Acceptable
	CH-13	4.4	4.1 - 5.0	4.58	0.10	-1.8	Acceptable
	CH-14	5.0	4.8 - 5.7	5.21	0.12	-1.8	Acceptable
	CH-15	2.1	1.8 - 2.7	2.23	0.07	-1.9	Acceptable
Lipase (U/L) Beckman UniCel DxC 600, 800 / Beckman Synchron Liquid LIP	CH-11	38	5 - 66	35.9	4.8	0.4	Acceptable
	CH-12	48	18 - 79	48.3	4.5	0.0	Acceptable
	CH-13	63	27 - 88	57.2	4.7	1.2	Acceptable
	CH-14	73	37 - 98	67.2	4.8	1.2	Acceptable
	CH-15	33	0 - 54	23.6	4.9	1.9	Acceptable
Magnesium (mg/dL) ** Beckman UniCel DxC 600, 800 / Beckman Synchron reagent	CH-11	1.4	1.1 - 1.9	1.47	0.08	-0.9	Acceptable
	CH-12	2.0	1.4 - 2.4	1.92	0.09	0.9	Acceptable
	CH-13	3.1	2.3 - 3.9	3.10	0.12	0.0	Acceptable
	CH-14	3.5	2.6 - 4.4	3.48	0.13	0.2	Acceptable
	CH-15	3.7	2.8 - 4.8	3.78	0.14	-0.6	Acceptable
Phosphorus (mg/dL) Beckman UniCel DxC 600, 800 / Beckman Syn Phos-m reag	CH-11	2.6	2.4 - 3.1	2.73	0.14	-0.9	Acceptable
	CH-12	3.0	2.9 - 3.5	3.20	0.15	-1.3	Acceptable
	CH-13	4.4	4.2 - 4.9	4.55	0.16	-0.9	Acceptable
	CH-14	4.9	4.6 - 5.3	4.98	0.15	-0.5	Acceptable
	CH-15	5.1	4.9 - 5.5	5.23	0.12	-1.1	Acceptable
Potassium (mmol/L) ** Beckman UniCel DxC 600, 800	CH-11	2.3	1.8 - 2.9	2.36	0.06	-1.0	Acceptable
	CH-12	3.3	2.8 - 3.9	3.33	0.07	-0.4	Acceptable
	CH-13	4.8	4.3 - 5.4	4.88	0.06	-1.3	Acceptable
	CH-14	5.8	5.3 - 6.4	5.89	0.07	-1.3	Acceptable
	CH-15	3.9	3.4 - 4.5	3.98	0.06	-1.3	Acceptable
Sodium (mmol/L) ** Beckman UniCel DxC 600, 800	CH-11	119	116 - 125	120.7	1.5	-1.1	Acceptable
	CH-12	127	125 - 134	129.6	1.4	-1.9	Acceptable
	CH-13	141	140 - 149	144.2	1.4	-2.3	Acceptable
	CH-14	150	148 - 157	152.9	1.5	-1.9	Acceptable
	CH-15	134	132 - 141	136.5	1.4	-1.8	Acceptable
Total Protein (g/dL) ** Beckman UniCel DxC 600, 800 / Beckman Synchron reagent	CH-11	5.6	4.8 - 6.0	5.41	0.11	1.7	Acceptable
	CH-12	6.3	5.5 - 6.9	6.19	0.13	0.8	Acceptable
	CH-13	6.2	5.5 - 6.9	6.21	0.14	0.0	Acceptable
	CH-14	7.1	6.2 - 7.7	6.99	0.16	0.7	Acceptable
	CH-15	3.2	2.8 - 3.6	3.21	0.08	-0.1	Acceptable
Urea Nitrogen / BUN (mg/dL) ** Beckman UniCel DxC 600, 800 / Beckman electrode (BUN-M)	CH-11	41	38 - 46	41.8	1.2	-0.7	Acceptable
	CH-12	35	32 - 39	35.3	1.0	-0.3	Acceptable
	CH-13	20	18 - 23	20.4	0.9	-0.4	Acceptable
	CH-14	14	12 - 17	14.3	1.0	-0.3	Acceptable
	CH-15	15	12 - 17	14.7	0.8	0.4	Acceptable

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Uric Acid (mg/dL) **	CH-11	13.4	10.9 - 15.5	13.18	0.47	0.5	Acceptable
Beckman UniCel DxC 600, 800 / Beckman	CH-12	10.2	8.3 - 11.9	10.12	0.13	0.6	Acceptable
Synchron reagent	CH-13	6.2	5.0 - 7.2	6.14	0.09	0.7	Acceptable
	CH-14	3.6	2.9 - 4.1	3.50	0.07	1.4	Acceptable
	CH-15	8.5	6.9 - 9.9	8.38	0.15	0.8	Acceptable

CHEMISTRY (ENDOCRINOLOGY)							
<u>Analyte / Method</u>	<u>Sample</u>	<u>Reported Result</u>	<u>Expected Result</u>	<u>Mean</u>	<u>SD</u>	<u>SDI</u>	<u>Grade</u>
HCG (serum-quan) (mIU/mL) **	CH-11	720	674 - 957	815.6	47.0	-2.0	Acceptable
Beckman Access / Access 5th IS Tot	CH-12	757	598 - 832	715.1	38.8	1.1	Acceptable
BhCG(A85264)	CH-13	400	353 - 476	414.7	20.4	-0.7	Acceptable
	CH-14	239	207 - 268	237.7	10.0	0.1	Acceptable
	CH-15	289	263 - 350	306.7	14.4	-1.2	Acceptable
Thyroid Stimulating Hormone (uU/mL) **	CH-11	2.96	2.43 - 3.53	2.981	0.182	-0.1	Acceptable
Beckman Access / Beckman Access reagent	CH-12	5.25	4.01 - 5.70	4.857	0.280	1.4	Acceptable
	CH-13	6.44	5.04 - 7.19	6.115	0.357	0.9	Acceptable
	CH-14	8.00	6.34 - 9.32	7.828	0.496	0.3	Acceptable
	CH-15	1.06	0.82 - 1.19	1.002	0.060	1.0	Acceptable

CHEMISTRY (TDM)							
<u>Analyte / Method</u>	<u>Sample</u>	<u>Reported Result</u>	<u>Expected Result</u>	<u>Mean</u>	<u>SD</u>	<u>SDI</u>	<u>Grade</u>
Acetaminophen (ug/mL)	CH-11	18.0	12.7 - 20.0	16.36	1.21	1.4	Acceptable
Beckman UniCel DxC 600, 800 / Beckman	CH-12	43.0	39.7 - 51.2	45.43	1.90	-1.3	Acceptable
Synchron reagent	CH-13	71.0	65.6 - 81.0	73.31	2.55	-0.9	Acceptable
	CH-14	97.0	91.7 - 114.8	103.27	3.83	-1.6	Acceptable
	CH-15	< 10.0	6.8 - 13.0	9.89	1.02		Acceptable
Digoxin (ng/mL) **	CH-11	1.6	1.0 - 1.6	1.28	0.14	2.3	Acceptable
Beckman UniCel DxC 600, 800 / Beckman	CH-12	2.0	1.3 - 2.1	1.71	0.15	1.9	Acceptable
Synchron reagent	CH-13	2.0	1.4 - 2.2	1.81	0.16	1.2	Acceptable
	CH-14	2.3	1.7 - 2.7	2.21	0.19	0.5	Acceptable
	CH-15	0.3	0.0 - 0.5	0.28	0.08	0.2	Acceptable
Phenytoin (ug/mL) **	CH-11	28.3	21.6 - 36.1	28.82	1.23	-0.4	Acceptable
Beckman UniCel DxC 600, 800 / Beckman	CH-12	25.3	19.0 - 31.8	25.38	1.11	0.0	Acceptable
Synchron reagent	CH-13	16.3	12.3 - 20.7	16.51	0.59	-0.4	Acceptable
	CH-14	12.8	9.6 - 16.2	12.90	0.38	-0.3	Acceptable
	CH-15	12.4	9.7 - 16.2	12.94	0.40	-1.3	Acceptable
Salicylates (mg/dL)	CH-11	13.1	11.6 - 17.3	14.49	0.63	-2.2	Acceptable
Beckman UniCel DxC 600, 800 / Beckman	CH-12	19.9	16.8 - 22.5	19.65	0.74	0.3	Acceptable
Synchron reagent	CH-13	22.9	20.0 - 25.7	22.84	0.74	0.1	Acceptable
	CH-14	28.0	25.4 - 31.1	28.24	0.81	-0.3	Acceptable
	CH-15	8.8	5.2 - 10.9	8.07	0.58	1.3	Acceptable
Valproic Acid (ug/mL) **	CH-11	48.0	32.0 - 53.5	42.73	2.39	2.2	Acceptable
Beckman UniCel DxC 600, 800 / Beckman	CH-12	65.0	48.3 - 80.6	64.46	2.26	0.2	Acceptable
Synchron reagent	CH-13	97.0	73.6 - 122.8	98.17	3.87	-0.3	Acceptable
	CH-14	124.0	90.0 - 150.2	120.11	5.44	0.7	Acceptable
	CH-15	78.0	57.9 - 96.6	77.27	2.85	0.3	Acceptable
Vancomycin (ug/mL)	CH-11	32.6	26.8 - 40.3	33.52	1.85	-0.5	Acceptable
Beckman UniCel DxC 600, 800 / Beckman	CH-12	39.6	30.2 - 45.4	37.83	1.39	1.3	Acceptable
Synchron reagent	CH-13	36.6	29.4 - 44.3	36.87	1.80	-0.1	Acceptable
	CH-14	39.1	32.5 - 48.9	40.70	2.11	-0.8	Acceptable
	CH-15	9.1	8.2 - 12.4	10.31	0.61	-2.0	Acceptable

CSF CHEMISTRY							
<u>Analyte / Method</u>	<u>Sample</u>	<u>Reported Result</u>	<u>Expected Result</u>	<u>Mean</u>	<u>SD</u>	<u>SDI</u>	<u>Grade</u>
CSF Glucose (mg/dL) Beckman UniCel DxC 600, 800 / Beckman Synchron electrode	SCH-03	35	28 - 41	34.3	1.4	0.5	Acceptable
CSF Total Protein (mg/dL) Beckman UniCel DxC 600, 800 / Beckman Synchron M-TP (CSF,ur)	SCH-03	91	74 - 113	93.7	2.5	-1.1	Acceptable

FETAL FIBRONECTIN				
<u>Analyte / Method</u>	<u>Sample</u>	<u>Reported Result</u>	<u>Expected Result</u>	<u>Grade</u>
Fetal Fibronectin	FN-05	Negative	Negative	Acceptable
	FN-06	Positive	Positive	Acceptable

FETAL MEMBRANES RUPTURE TEST				
<u>Analyte / Method</u>	<u>Sample</u>	<u>Reported Result</u>	<u>Expected Result</u>	<u>Grade</u>
Fetal Membranes Rupture Test	FMR-05	Negative	Negative	Acceptable
AmniSure ROM	FMR-06	Positive	Positive	Acceptable

IMMUNOASSAY							
<u>Analyte / Method</u>	<u>Sample</u>	<u>Reported Result</u>	<u>Expected Result</u>	<u>Mean</u>	<u>SD</u>	<u>SDI</u>	<u>Grade</u>
Progesterone (ng/mL)	IA-05	28.2	21.2 - 33.1	27.15	1.96	0.5	Acceptable
Beckman Access / Beckman Access reagent	IA-06	38.4	30.4 - 42.2	36.34	1.95	1.1	Acceptable

NEONATAL BILIRUBIN							
<u>Analyte / Method</u>	<u>Sample</u>	<u>Reported Result</u>	<u>Expected Result</u>	<u>Mean</u>	<u>SD</u>	<u>SDI</u>	<u>Grade</u>
Bilirubin, Direct (Neonatal) (mg/dL)	NB-11	0.6	0.1 - 1.0	0.60	0.04	0.0	Acceptable
Beckman UniCel DxC 600, 800 / Beckman Synchron reagent	NB-12	7.9	7.6 - 8.5	8.08	0.16	-1.1	Acceptable
Bilirubin, Total (Neonatal) (mg/dL)	NB-11	2.6	2.1 - 3.3	2.74	0.13	-1.1	Acceptable
Beckman UniCel DxC 600, 800 / Beckman Synchron reagent	NB-12	20.4	15.9 - 24.0	19.94	0.44	1.0	Acceptable

SERUM HCG				
<u>Analyte / Method</u>	<u>Sample</u>	<u>Reported Result</u>	<u>Expected Result</u>	<u>Grade</u>
HCG (serum-qual)	HCG-11	Positive	Positive	Acceptable
Stanbio Combo True 20	HCG-12	Negative	Negative	Acceptable
	HCG-13	Positive	Positive	Acceptable
	HCG-14	Negative	Negative	Acceptable
	HCG-15	Positive	Positive	Acceptable

URINE DRUG SCREEN				
<u>Analyte / Method</u>	<u>Sample</u>	<u>Reported Result</u>	<u>Expected Result</u>	<u>Grade</u>
UDS Amphetamines	UDS-05	Negative	Negative	Acceptable
500 ng/mL / MedToxScan-Profile V	UDS-06	Negative	Negative	Acceptable
UDS Barbiturates	UDS-05	Negative	Negative	Acceptable
200 ng/mL / MedToxScan-Profile V	UDS-06	Negative	Negative	Acceptable
UDS Benzodiazepines	UDS-05	Positive	Positive	Acceptable
150 ng/mL / MedToxScan-Profile V	UDS-06	Negative	Negative	Acceptable
UDS Buprenorphine	UDS-05	Negative	Negative	Acceptable
10 ng/mL / MedToxScan-Profile V	UDS-06	Negative	Negative	Acceptable
UDS Cannabinoids	UDS-05	Negative	Negative	Acceptable
50 ng/mL / MedToxScan-Profile V	UDS-06	Negative	Negative	Acceptable
UDS Cocaine Metabolites	UDS-05	Negative	Negative	Acceptable
150 ng/mL / MedToxScan-Profile V	UDS-06	Positive	Positive	Acceptable
UDS Methadone	UDS-05	Negative	Negative	Acceptable
200 ng/mL / MedToxScan-Profile V	UDS-06	Negative	Negative	Acceptable
UDS Methamphetamines	UDS-05	Negative	Negative	Acceptable
500 ng/mL / MedToxScan-Profile V	UDS-06	Negative	Negative	Acceptable



1159 Business Park Drive, Traverse City, MI 49686

Comparative Evaluation
2015 Chemistry - 3rd Event

Customer No: **41964** Kit No: 1
CLIA No: 15D0360519
Address: Lori Jones
Mid America Clinical Laboratories
473 Greenville Avenue
SV Randolph Laboratory
Winchester, IN 47394

URINE DRUG SCREEN - continued				
<u>Analyte / Method</u>	<u>Sample</u>	<u>Reported Result</u>	<u>Expected Result</u>	<u>Grade</u>
UDS Opiates	UDS-05	Negative	Negative	Acceptable
100 ng/mL / MedToxScan-Profile V	UDS-06	Positive	Positive	Acceptable
UDS Oxycodone	UDS-05	Negative	Negative	Acceptable
100 ng/mL / MedToxScan-Profile V	UDS-06	Negative	Negative	Acceptable
UDS Phencyclidine	UDS-05	Negative	Negative	Acceptable
25 ng/mL / MedToxScan-Profile V	UDS-06	Negative	Negative	Acceptable
UDS Propoxyphene	UDS-05	Negative	Negative	Acceptable
300 ng/mL / MedToxScan-Profile V	UDS-06	Negative	Negative	Acceptable
UDS Tricyclic Antidepressants	UDS-05	Negative	Negative	Acceptable
300 ng/mL / MedToxScan-Profile V	UDS-06	Positive	Positive	Acceptable