Day of illness	3	4	5	6
Patient 1				
Chemistry Labs				
Sodium		137	130	131	131
Potassium		3.7	3.8	3.4	4.1
Chloride		101	98	95	99
Bicarbonate		28	26	26	27
Mag		1.4			1.6
Phos					
BUN		10	9	8	9
Serum Creatinine		1.2	1.1	1.1	1.3
Ionized calcium		0.99	1	0.97	0.98
CPK					
LFTs					
AST		155	263	625	801
ALT		40	47	112	172
T bili		0.5	0.5	0.5	0.5
Alk Phos		45	62	131	154
Albumin		3.2	3.1	2.9	2.6
Anion Gap (AG) =		8	6	10	5
Corrected AG (formula) =		10	8.25	12.75	8.5
CBC					
WBC		2.8	2.6	4.7	

Hgb	13.1	13.2	13.9	
Plt	62	64	112	
Coags				
PT				
INR	1.2	1.2	1.1	
PTT				
Acid base data				
Arterial Blood Gas				
APH				
AO2				
ACO2				
AO2 Sat				
ANa				
AK				
ACl				
A Bicarbonate				
ABE				
AG				
AG Corrected				
ACa ionized				
A Lactate				
Base deficit				
Venous Blood Gas				
VPH	7.37	7.34	7.39	7.42
VO2	87	78.6	58	45

VCO2	55	43	45	41
VO2 Sat	87	78.6	89.3	82.8
VNa	134	131	129	131
VK	3.7	3.5	3.2	3.5
VCl	102	98	97	100
V Bicarbonate	25.7	25.4	26	26
VBE	1.3	1.3	1.7	1.9
AG	6.3	7.6	6	
AG Corrected	16.3	17.6	16	
V Lactate	0.9	1.6	1.4	

Patient 2

Chemistry Labs

Sodium
Potassium
Chloride
Bicarbonate
Mag
Phos
BUN
Serum Creatinine
Ionized calcium
CPK

LFTs

AST
ALT
T bili

Alk Phos
Albumin
Anion Gap (AG) =
Corrected AG (formula) =

CBC

WBC
Hgb
Plt

Coags

PT
INR
PTT

Acid base data

Arterial Blood Gas

APH
AO2
ACO2
AO2 Sat
ANa
AK
ACl
A Bicarbonate
ABE
AG

AG Corrected
ACa ionized
A Lactate
Base deficit

Venous Blood Gas
VPH
VO2
VCO2
VO2 Sat
VNa
VK
VCl
V Bicarbonate
VBE
AG
AG Corrected
V Lactate

Blood Cultures

Patient 3

Chemistry Labs			
Sodium	136	132	138
Potassium	3.7	3.5	3.5
Chloride	100	99	113
Bicarbonate	27	20	15
Mag			

Phos	11	9	10
BUN	1.41	1.27	1.89
Serum Creatinine			
Ionized calcium			
CPK			
LDH			
LFTs			
AST	94	518	1287
ALT	26	72	216
T bili	0.5	0.3	0.9
Alk Phos	56	141	254
Albumin	3.7	3.4	2.3
Anion Gap (AG) =	9	13	10
Corrected AG (formula) =	9.75	14.5	14.25
CBC			
WBC	3.08	3.13	
Hgb	15.6	16.3	
Plt	92	68	
Coags			
PT		15.6	
INR		1.2	
PTT		48.7	

Acid base data

Arterial Blood Gas

APH

AO2
ACO2
AO2 Sat
ANa
AK
ACl
A Bicarbonate
ABE
AG
AG Corrected
ACa ionized
A Lactate
Base deficit

<u>Venous Blood Gas</u>
VPH
VO2
VCO2
VO2 Sat
VNa
VK
VCl
V Bicarbonate
VBE
AG
AG Corrected
V Lactate

7	8		9				10	
129	128	128					133	135
4.1	4.8							
98	100		98				99	100
20	20						21	22
1.7	2							2.8
10	17	26	33				51	59
1.5	2.5	3.12	4.2				6	6.7
0.98	0.96	0.87	1.01	0.98	1.01	0.98		0.96
1430								
307	484						892	878
0.7								1.2
235	357							744
2	2	2.1	2.1				1.8	1.9
11	8						13	13
16	13						18.5	18.25
10.9	12.5		16.8					17.1

14.4	13.2		13.3	13.2	13.5	12.9		12.2	
161	201		254					242	
1.1	1.2								
			7.19	7.24	7.26	7.27		7.3	7.25
			147	96	75	77		76	96
			54	45	43	42		42	50
			93.1	92.3	91.3	91.7		92.1	93.5
			129	129	131	130		131	
			4.6	4.8	4.8	4.4		4.1	
			102	100	101	100		99	
			18.6	18.6	18.9	19.1		20.5	
			-8	-7.9	-7.5	-7.3		-5.5	
			1.01	0.98	1.01	0.98		0.96	
			1.9	2	1.9	1.6		1.4	1.3
7.36	7.35	7.35							
53	58	39							

37	35	29
87	87.3	76.4
129	128	131
3.7	4.8	3.9
100	102	107
21.5	20.3	17.9
-4	-5.6	-8.4
7.5	5.7	
17.5	15.7	
2.4	1.9	1.3

139	147	146	145	145	143	139	138	138
3.1	3.2	3.1	3.4	3.1	3.4	3.8	3.6	3.9
112	111		111			103	106	104
16			18			17		
			1.4			2.2		

12	12		2.4					
2.18	2.6	2.7	20			41	48	52
	1.1	1.1	2.69	3.4		5.84	8.1	8.7
				1.02	1.03		1.02	1.01
1308			1020			642		
216			150			94		
1.6			3.3			4.1		
430			591			339		
2.1			3.3			3.4		
11			16			19		
15.75			17.75			20.5		
9.68			16.26			16.63		
15.7	13.9	13.6	13.9	13.3	13.9	12.5	12.2	11.9
146			172			136		
19.8	19.5	22.2					21.2	23.8
1.7	1.7	1.9					1.8	2.1
			7.48					

			100					
			27.9					
			100					
			20.9					
7.46	7.5	7.47	7.41	7.45	7.39	7.37	7.38	7.27
52	33		28	31	36	37	43	35
23.4	24.7	27.2	33.6	27.8	33.1	33	30.4	42.4
89	70	74	55	64	69	69	79	60
16.5	19.2	19.8	21.3	19.5	20.2	19.2	18	19.5
		2.54		3.12	2.59	2.54	3.06	

11			12		13
137	138	139	137		142
4.9	5.1	5.5	4.7		4.4
100	97	98	98		101
24	23	23	20		20
		2.9	2.7		
		6.8	5.7		
86	93	100	90		59
9.1	9.5	10.4	8.7		5.1
	>2000	>2000	1980		670
832	811	726	662		519
1.1	1	1	1		1.7
725	671	529	384		226
1.8	1.8	1.7	1.7		2
13	18	18	19		21
18.5	23.5	23.75	24.75		26
22.6		11	14.4		

11.8	12.3	11.5		11.5	12.1	11.6	11.6
195		166		148			
1.3				1.4			
7.24	7.2	7.22	7.23	7.21	7.2	7.21	7.19
79	69	89	74	84	102	86	94
53	58	52	49	49	49	50	49
92.2	90.3	94.1	92.5	93.5	94.9	94.7	94.4
132	134	133	132	132	131	133	133
4.3	4.7	4.9	4.8	4.4	4.2	4.5	4.3
99	99	101	100	101	99	100	102
20.8	20.2	19.7	19.3	18.4	18	18.7	17.5
-5.1	-5.9	-6.6	-7.1	-8.3	-8.8	-7.9	-9.4
0.92	0.94	0.88	0.88	0.91	0.94	1.04	1.02
1.7	1.9	1.8	1.8	1.9	2.3	2.8	2.6

137	136	137	135	134	131	132	136	138
3.8	3.7	4.1	3.4	3.4	4.5	4.8	4.1	3.4
104		98				96		
		18				18		
		2.1				2.5		

		7.2				3.1			
49		58				25			
		8.76				3.8			2.4
0.94	0.93		0.76	0.94	0.99			0.81	0.94
							1917		
		392				4+ lipemia	4+ lipemia		
		54				4+ lipemia	4+ lipemia		
		4.1				5.1	5.3		
		190				272	308		
		3.2				2.7	2.5		
		21				18			
		23				21.25			
		17.3				22.9			
11.2	9.9	10.2	12.2	10.2	11.2	11.5		10.2	9.9
		75				78			
			23	18.4				16	
			2	1.6				1.4	
	7.14		7.27	7.3	7.32			7.36	

	96	74	66	172		84	
	59.2	39.6	42.7	37.3		39.2	
	95	93	90	99		96	
	20.3	18.3	20.9	19.4		22	
7.24	7.25	7.29	7.3	7.29		7.29	7.36
36	48		39	32		39	35
43.2	44.1		44.5	42.1		47.6	47.2
59	77		68	54		67	64
18.6	19.5		21.9	20.2		22.8	26.8
	3.13	3.08	4.68	6.57		6.69	6.57

	14		15	
138	143		145	
4.4	4.8		4.7	
99	104		105	
21	24		23	
2.4			2.3	
4.4			2.9	
53	46		55	
4.4	2.6		1.9	
466	179		81	
487	311		219	
2	1.5		1.5	
220	181		161	
2	2.2		2.4	
18	15		17	
23	19.5		21	
16.2	21.4	25.1	33.1	34.5

11.7	11.3	11.1	10.9	10.4	10.6	10.9	10.6	10.7	10.9
85				33	53			29	61
1.2				1.1				1.1	
7.21	7.28	7.29	7.29	7.3	7.25	7.25	7.27	7.23	7.2
61	70	88	108	104	78	73	69	72	90
50	48	46	47	46	51	50	48	53	56
89.3	91.9	94.3	94.9	94.8	91.7	93	92.1	92.6	94
133	133	134	134	135	135	134	135	135	135
4.5	4.3	4.2	4.3	4.2	4	4.1	4.1	4.1	4.3
102	102	103	104	105	104	103	104	104	104
18.6	21.5	21.4	21.8	21.9	20.9	20.6	21	20.5	19.9
-7.9	-4.3	-4.5	-4	-3.8	-5	-5.4	-4.9	-5.6	-6.4
1	0.96	1.01	1.02	1.03	1.03	1.02	1.1	1.06	1.05
2.4	2.5	2.6	2.3	2.1	1.7	1.6	1.5	1.4	1.1
									7.17
									49

					61
					79.4
					135
					4.3
					103
					19.3
					-6.7
					1.2
	137	141	147	144	141
	2.9	1.9	2.4	3.2	4.2
	110	115	114	113	110
	7	14	15	15	17
	3	2.5			
	12	4.5	4.8	5.6	5.4
	96	75			39
	15.1	11.36			6.11
	0.65	0.89	0.96	0.96	0.96
> 4100		> 4100			
	1579	1105			1120
	277	203			189
	8.6	6.2			4.2

596	451			410
1.9	1.4			2.7
20	12	18	16	14
25.25	18.5			17.25
15	4			3.3
13.6	11.5			9.8
103	90			97
20.4	16.8	25.2	19.2	19.2
2	1.7	2.5	1.9	1.9
128	79.8	102.5	131.6	99.4
		7.17	7.18	7.17
		89	101	72
		34	36	40
		94	96	90

		-16	-15	-14
7.15	7.25	7.14	7.18	7.15
69	53	49	58	62
19.1	29	40	37	43
88	82	72	83	84
-22	-14	-15	-15	-14
2.3	4.1	5	6.6	10.4

No growth E Coli x 1 set E Coli x 2 sets

140	139	139	141	144	140
3.4	3.9	3.7	3.9	4	5
97				99	
23				28	
2.1				1.9	

1.5				1.1				
18				19				
2.03				1.25				
	0.85	0.95	1.26		1.29	1.16	1	1.04

> 4500

447				480				
48				52				
5.7				9				
328				276				
2.3				2.2				
20				17				
24.25				21.5				
26.88				51.3				
10.2	12.6	10.9	9.9	9.2				9.2
102				96				
		15.4	15.4		14.2	14.9	17.9	
		1.3	1.3		1.2	1.3	1.5	
7.44	7.42	7.45	7.42					7.14

91	119	144	78				98
39.7	43.9	41.6	49.1				51.3
97	99	99	95				95
27.2	28.6	28.9	32.1				17.4
	7.44	7.21	7.42	7.42	7.35	7.34	7.14
	6.55	7.21	4.62	3.93	4.2	9.33	19.07

	16			17	18	19
		142		139	141	142
		4.1		4	4	4
		103		103	105	98
		24		24	25	27
				2.2		1.8
				3.9	4	5.1
		75		73	63	58
		2.4		2.1	2.1	2.1
		75		83	98	43
		139		170	173	98
		2.1		3.4	2.6	1.5
		153		154	184	182
		2.3		2.2	2.4	2.3
		15		12	11	17
		19.25		16.5	15	21.25
30.3	37.1	39.1	36.4	39.6	32.7	27.5

9.2	9.4	9.3	9.4		9.2		9.8		9.1
32	66	59	57		60		71		67
		1.1					1.1		1.1
7.35	7.36	7.41	7.36	7.42	7.38	7.45	7.43	7.41	7.48
74	62	70	94	71	73	77	65	67	86
41	39	35	42	37	40	32	35	41	36
94	90.9	93.8	94.9	92.9	93.1	93.5	92.5	92.6	95.2
137	137	136	136	135	137	136	135	134	133
4	3.7	3.8	3.7	3.9	3.9	3.3	3.6	4.4	4
106	106	105	104	103	105	105	104	103	100
22.7	22.3	23.2	23.6	24.6	23.8	23.9	24.2	25.8	27.4
-2.8	-3.2	-2.1	-1.7	-0.3	-1.3	-1.3	-0.8	1.2	3.2
1.01	1.04	1.16	1.22	1.23	1.11	0.96	0.95	0.98	1.06
1.4	1.3	1.5	1.1	1.4	1.2	1.1	0.9	0.9	1

20	21	22		23	24
143	140	143	141	141	141
4.6	4.4	5	5.1	5.1	5
98	103	108	104	103	103
27	27	24	23	25	28
1.9	2.4	2.6	2.7	2.6	3.8
6.5	4.7	4.9	5.7	4.9	2.4
82	73	89	101	81	50
2.8	2.6	3.6	4.3	3.5	2.6
99	88	82	73	68	46
98	92	81	75	65	52
1.2	1.1	1	0.9	1	1
187	162	143	126	132	116
2.2	2.2	2.3	2.4	2.4	2.3
18	10	11		13	10
22.5	14.5	15.25		17	14.25
20.6	20.3	20	20.6	19.4	17.4

	8.1		7.9		8.8	8.6	8.5	9.3	8
	113		146		185	188	224		230
	1.1				1.7	2.3	1.1		1.1
7.51	7.47	7.44	7.46	7.49	7.53	7.49	7.55	7.5	7.58
78	104	125	101	67	78	75	64	78	56
36	38	42	38	35	29	30	28	30	30
95.2	94.4	95.7	95.9	94.2	94.1	94.7	92.8	94.1	91.2
134	135	136	136	136	138	139	136	137	136
3.9	4.1	4.1	4.2	4.7	4.9	4.8	5.1	5	4.8
100	102	105	106	108	109	110	107	108	108
29.1	27.9	28	27.3	27.4	26.3	24.8	26.7	25.4	29.5
5.3	3.8	4	3	3.2	1.8	-0.2	2.4	0.6	6
1.1	1.08	1.07	1.07	1.06	1.08	1.12	1.1	1.11	1.09
1	1	0.7	0.8	1.1	1.1	0.9	1	1	1.1

25	26	27	28	29	30	32
137	143					
5	4.9					
106	104					
29	29					
2.2						
3.3	3.4					
46	50					
2.4	2.5					
58	47					
56	51					
0.9	0.8					
107	97					
2.4	2.3					
2	10					
6	14.25					
16.1	13.7					

8	7.3
221	211
1.1	1.1
7.54	
73	
33	
94.4	
136	
4.8	
108	
29.1	
5.4	
1.09	
0.9	

33 34 35 36 37 38 39 40 41 42