

FIGURE 1	Controls	Fed				
	Glucose	TAG	FFA	Lactate	Pyruvate	β -OH-but
1)	101	174	3.8	1.26	0.06	0.16
2)	92	185	3.3	1.41	0.07	0.19
3)	106	153	4.2	1.13	0.04	0.14
4)	105	184	3.9	1.24	0.07	0.15
	AcAc					
1)	0.32					
2)	0.37					
3)	0.26					
4)	0.33					

FIGURE 1	Controls	Fasted				
	Glucose	TAG	FFA	Lactate	Pyruvate	β -OH-but
1)	77	167	5.2	1.89	0.08	0.58
2)	88	148	6.1	2.14	0.09	0.67
3)	63	200	4.3	1.65	0.1	0.52
4)	80	153	5	1.88	0.05	0.55
	AcAc					
1)	0.18					
2)	0.22					
3)	0.15					
4)	0.17					

FIGURE 1	EMFs	Fed				
	Glucose	TAG	FFA	Lactate	Pyruvate	β -OH-but
1)	111	206	2.3	0.93	0.11	0.12
2)	124	241	2.6	1.05	0.13	0.15
3)	95	165	1.9	0.74	0.09	0.1
4)	114	212	2.4	1	0.1	0.11
	AcAc					
1)	0.19					
2)	0.23					
3)	0.16					
4)	0.18					

FIGURE 1	EMFs	Fasted				
	Glucose	TAG	FFA	Lactate	Pyruvate	β -OH-but
1)	79	198	3.2	1.64	0.1	0.49
2)	92	218	4	1.9	0.12	0.57
3)	63	172	2.8	1.28	0.09	0.42
4)	82	204	2.9	1.74	0.08	0.37
	AcAc					
1)	0.23					
2)	0.25					
3)	0.19					

4) 0.27

FIGURE 2	EMFs Control	Fed 0'	Glucose 15'	30'	60'	120'
1)	85	95	125	106	118	145
2)	97	106	148	98	137	161
3)	73	86	104	117	100	133
4)	84	93	123	103	117	141
	180'					
1)	136					
2)	124					
3)	155					
4)	129					

FIGURE 2	EMFs Control	Fed 0'	Lactate 15'	30'	60'	120'
1)	0.93	0.52	0.62	0.58	0.57	0.58
2)	0.84	0.48	0.73	0.67	0.68	0.7
3)	1.01	0.58	0.5	0.51	0.47	0.42
4)	0.94	0.5	0.63	0.56	0.55	0.62
	180'					
1)	0.47					
2)	0.57					
3)	0.36					
4)	0.49					

FIGURE 2	EMFs Control	Fed 0'	Pyruvate 15'	30'	60'	120'
1)	0.07	0.27	0.11	0.26	0.12	0.14
2)	0.09	0.33	0.1	0.2	0.11	0.17
3)	0.06	0.22	0.13	0.31	0.15	0.1
4)	0.05	0.25	0.09	0.28	0.1	0.16
	180'					
1)	0.18					
2)	0.22					
3)	0.13					
4)	0.19					

FIGURE 2	EMFs Control	Fasted 0'	Glucose 15'	30'	60'	120'
1)	71	83	95	115	108	138
2)	63	93	107	132	126	160
3)	75	74	81	94	82	120
4)	73	82	97	119	116	134
	180'					
1)	139					

2)	121
3)	156
4)	140

FIGURE 2	EMFs	Fasted	Lactate			
	Control	0'	15'	30'	60'	120'
1)	1.73	1.94	1.92	2.09	1.91	1.72
2)	1.57	2.11	2.27	2.36	1.62	1.98
3)	1.92	1.71	1.65	1.8	2.14	1.38
4)	1.7	2.03	1.84	2.11	1.97	1.8
	180'					
1)	2.12					
2)	2.33					
3)	1.83					
4)	2.2					

FIGURE 2	EMFs	Fasted	Pyruvate			
	Control	0'	15'	30'	60'	120'
1)	0.13	0.18	0.19	0.24	0.19	0.25
2)	0.15	0.22	0.23	0.29	0.24	0.31
3)	0.1	0.15	0.16	0.2	0.16	0.21
4)	0.14	0.17	0.18	0.23	0.17	0.23
	180'					
1)	0.08					
2)	0.1					
3)	0.07					
4)	0.06					

FIGURE 3	Control	Glucose				
	0'	15'	30'	60'	120'	180'
1)	77	129	153	142	67	69
2)	86	146	176	166	75	79
3)	65	110	127	114	58	54
4)	80	131	156	146	69	74

FIGURE 3	Control	Insulin				
	0'	15'	30'	60'	120'	180'
1)	7	22.4	10.4	17.4	29.5	5
2)	8	26	12.5	19.7	31.6	6.1
3)	5.8	19.3	8.9	14.3	24.8	4.4
4)	7.2	21.9	9.8	18.2	32.1	4.5

FIGURE 3	Control	Glucagon				
	0'	15'	30'	60'	120'	180'
1)	200	110	167	176	202	205
2)	224	128	195	187	234	219
3)	168	96	150	146	158	176
4)	208	106	156	195	214	220

FIGURE 3	EMFs	Glucose				
	0'	15'	30'	60'	120'	180'
1)	53	151	130	113	206	93
2)	60	178	151	136	222	109
3)	48	133	108	98	173	75
4)	51	142	131	105	223	95

FIGURE 3	EMFs	Insulin				
	0'	15'	30'	60'	120'	180'
1)	8.7	36.5	22	10.4	13.2	10.1
2)	10	42.7	23.8	12.6	14.9	11.2
3)	7.2	29.6	18.3	9.4	10.2	8.5
4)	8.9	37.2	23.9	9.2	14.5	10.6

FIGURE 3	EMFs	Glucagon				
	0'	15'	30'	60'	120'	180'
1)	191	36	72	155	140	148
2)	216	43	82	181	165	169
3)	172	30	58	140	125	136
4)	185	35	76	144	130	139

FIGURE 4	Control	EMFs	14-CO2	
		30'	60'	120'
1)	42	64	43	38
2)	51	58	49	44
3)	35	72	38	30
4)	40	62	47	40

FIGURE 4	Control	EMFs	14C-Blood	
		30'	60'	120'
1)	30	26	39	34
2)	34	29	46	39
3)	25	23	34	28
4)	31	27	37	35

FIGURE 4	Control	EMFs	glycogen-Liver	
		30'	60'	120'
1)	26	27	24	18
2)	29	31	29	21
3)	21	24	20	14
4)	38	26	23	19

FIGURE 4	Control	EMFs	glycogen-Muscle	
		30'	60'	120'
1)	16	12	15	5
2)	18	14	18	6

3)	13	11	12	5
4)	17	10	14	4

FIGURE 4	Control	EMFs 30'	Lipids-Liver 60'	120'
1)	180	185	184	316
2)	205	213	221	370
3)	158	167	153	253
4)	177	175	178	325

FIGURE 4	Control	EMFs 30'	Lipids-A.T. 60'	120'
1)	135	178	85	145
2)	154	203	95	168
3)	113	142	73	126
4)	138	189	87	141

FIGURE 5	Glucose	Insulin	Glucagon	Insulin/Glucagon
1)	88.1	10.3	258	1.6
2)	82.5	9.1	231	1.58
3)	77.1	7.9	204	1.55
4)	71.5	6.7	177	1.51
5)	65.9	5.5	150	1.47
6)	148.3	11	239	1.84
7)	133.4	9.7	216	1.8
8)	118.5	8.4	193	1.74
9)	103.6	7.4	170	1.74
10)	88.7	6.1	147	1.66

FIGURE 5	Lactate	Pyruvate	Lactate/pyruvate	BOH-But	Acetoacetate	BOHB/ACAC
1)	2.63	0.12	21.9	0.82	0.22	3.72
2)	2.26	0.1	22.6	0.7	0.2	3.5
3)	1.89	0.08	23.6	0.58	0.18	3.22
4)	1.52	0.06	25.3	0.46	0.16	2.88
5)	1.15	0.05	23	0.34	0.14	2.43
6)	1.63	0.23	7.1	0.6	0.3	2
7)	1.42	0.2	7.4	0.54	0.27	2.1
8)	1.21	0.17	7.4	0.49	0.24	2.04
9)	1	0.14	7.1	0.43	0.21	2.05
10)	0.79	0.11	7.5	0.37	0.18	2.06

TABLE 1	Single					
Control	Glucose	TAG	FFA	Lactate	Pyruvate	Lactate/Pyruvate
	77	167	5.2	1.89	0.08	23.6
	88	148	6.1	2.14	0.09	23.8
	63	200	4.3	1.65	0.1	16.5
	80	153	5	1.88	0.05	37.6

TABLE 1	Single					
Control	β -OH-but	AcAc	3-OH-but/AcAc	ATP	ADP	AMP
	0.58	0.18	3.2	0.77	0.1	0.06
	0.67	0.22	3	0.72	0.11	0.05
	0.52	0.15	3.5	0.82	0.09	0.07
	0.55	0.17	3.2	0.76	0.1	0.07
TABLE 1	Single					
Control	ATP/ADP	T.Nucleotides				
	7.7	0.93				
	6.5	0.88				
	9.1	0.98				
	7.6	0.93				
TABLE 1	Single					
EMFs	Glucose	TAG	FFA	Lactate	Pyruvate	actate/Pyruvat
	119	203	3.2	2.01	0.19	10.6
	105	183	2.9	2.33	0.21	11.1
	131	227	3.5	1.61	0.15	10.7
	121	199	3.1	2.09	0.2	10.5
TABLE 1	Single					
EMFs	β -OH-but	AcAc	3-OH-but/AcAc	ATP	ADP	AMP
	0.49	0.24	2.1	0.72	0.09	0.04
	0.58	0.27	2.1	0.79	0.08	0.03
	0.42	0.22	1.9	0.62	0.1	0.04
	0.47	0.23	2	0.75	0.09	0.05
TABLE 1	Single					
EMFs	ATP/ADP	T.Nucleotides				
	8	0.85				
	9.9	0.9				
	6.2	0.76				
	8.3	0.89				
TABLE 1	Chronic					
Control	Glucose	TAG	FFA	Lactate	Pyruvate	actate/Pyruvat
	72	187	6.5	1.61	0.07	23
	81	213	7	1.8	0.08	22.5
	65	146	5.4	1.37	0.06	22.8
	70	202	7.1	1.66	0.07	23.7
TABLE 1	Chronic					
Control	β -OH-but	AcAc	3-OH-but/AcAc	ATP	ADP	AMP
	0.33	0.14	2.4	0.71	0.17	0.09
	0.39	0.17	2.3	0.77	0.18	0.07
	0.26	0.12	2.2	0.64	0.14	0.1
	0.34	0.13	2.6	0.72	0.19	0.09

TABLE 1	Chronic
Control	ATP/ADP T.Nucleotides
	4.2 0.93
	4.3 1.02
	4.6 0.88
	3.8 1

TABLE 1	Chronic					
EMFs	Glucose	TAG	FFA	Lactate	Pyruvate	actate/Pyruvat
	110	162	6.1	0.89	0.13	6.8
	127	186	7.2	1	0.15	6.7
	96	136	4.9	0.81	0.11	7.4
	107	164	6.2	0.86	0.13	6.6

TABLE 1	Chronic					
EMFs	β -OH-but	AcAc	3-OH-but/AcAc	ATP	ADP	AMP
	0.27	0.23	1.2	0.58	0.16	0.08
	0.32	0.27	1.2	0.66	0.18	0.09
	0.23	0.2	1.1	0.5	0.13	0.06
	0.26	0.22	1.2	0.59	0.17	0.09

TABLE 1	Chronic
EMFs	ATP/ADP T.Nucleotides
	3.6 0.82
	3.7 0.93
	3.8 0.69
	3.5 0.85

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