Supplemental Table 5. Blood Gas Analyses Pre- and Post-Membrane Oxygenator

		Pre-membrane					Post-membrane				
		pH	PCO2	PO2	SO2	Lac	pH	PCO2	PO2	SO2	Lac
			mmHg	mmHg	%	mmol/L		mmHg	mmHg	%	mmol/L
Sheep-01	post-awake	7.481	28.9	47.2	86.5	1.45	7.550	25.2	376.7	100.0	1.27
	post-1d	7.525	22.5	56.5	92.7	0.58	7.604	20.2	386.9	100.0	0.75
	post-2d	7.473	24.7	58.5	92.3	0.40	7.580	20.1	420.3	100.0	0.35
	post-3d	7.405	34.5	43.3	79.6	0.39	7.504	25.0	363.8	100.0	0.37
	post-4d	7.369	38.4	73.0	94.1	0.60	7.389	35.8	277.0	99.9	0.30
	post-5d	7.380	36.3	55.6	88.2	0.39	7.403	37.4	418.8	100.0	0.49
	post-6d	7.409	31.3	78.6	95.8	0.63	7.424	36.9	386.9	100.0	0.37
	post-7d	7.428	39.8	47.6	84.2	0.75	7.430	41.8	416.9	100.0	0.62
	post-8d	7.440	36.6	63.2	92.7	0.93	7.464	36.9	468.0	100.0	0.64
	post-9d	7.367	41.1	64.5	91.5	0.73	7.414	39.7	445.3	100.0	0.65
	post-10d	7.417	33.3	58.2	90.6	1.64	7.429	37.4	246.6	99.9	0.99
	post-11d	7.343	38.1	45.6	79.0	0.78	7.394	37.5	393.1	100.0	0.53
	post-12d	7.351	39.5	45.9	79.6	0.72	7.468	31.7	347.3	100.0	0.50
	post-13d	7.374	32.3	36.9	69.9	0.43	7.380	40.7	460.9	100.0	0.48
	post-14d	7.327	37.9	55.4	86.3	0.54	7.345	41.2	466.1	100.0	0.45
	post-15d	7.386	36.1	49.4	84.3	0.43	7.435	29.7	348.9	100.0	0.30
Sheep-02	post-awake	7.457	25.5	49.0	87.2	0.99	7.543	26.2	446.8	100.0	1.36
	post-1d	7.426	40.5	47.9	84.3	0.58	7.502	32.4	336.3	100.0	0.50
	post-2d	7.442	34.9	42.7	80.6	0.47	7.473	31.0	301.1	99.9	0.39
	post-3d	7.409	34.7	38.4	73.8	0.54	7.431	33.4	300.0	99.9	0.71
	post-4d	7.413	38.3	40.0	75.8	0.43	7.471	33.2	365.3	100.0	0.48
	post-5d	7.414	36.1	41.9	78.4	0.59	7.439	39.2	428.3	100.0	0.43
	post-6d	7.466	27.5	51.8	89.0	0.59	7.461	33.6	407.7	100.0	0.62
	post-7d	7.417	36.8	46.7	83.2	0.75	7.393	41.2	388.3	100.0	0.38
	post-8d	7.367	36.6	48.5	82.9	0.54	7.400	43.2	403.4	100.0	0.30
	post-9d	7.417	36.3	47.3	83.8	3.88	7.476	34.3	427.9	100.0	2.57
	post-10d	7.315	43.5	57.7	87.0	2.21	7.322	45.1	257.7	99.8	1.67
Sheep-03	post-awake	7.505	27.7	50.6	89.4	2.55	7.653	20.4	526.6	100.0	2.25
	post-1d	7.466	33.7	56.7	91.0	0.80	7.524	28.2	443.7	100.0	0.71
	post-2d	7.468	31.6	64.6	93.8	0.56	7.486	32.3	369.6	100.0	0.30
	post-3d	7.430	35.4	79.1	96.0	0.56	7.477	30.4	334.3	100.0	0.30
	post-4d	7.378	36.6	94.1	97.2	0.64	7.416	33.9	353.1	100.0	0.44
	post-5d	7.434	26.1	111.0	98.6	0.75	7.456	33.5	508.7	100.0	0.80
	post-6d	7.379	28.4	100.5	97.8	0.99	7.396	34.5	393.5	100.0	0.96
	post-7d	7.408	33.5	84.9	96.6	1.01	7.422	36.2	462.0	100.0	0.82
	post-8d	7.361	34.7	75.7	94.6	6.45	7.394	35.0	446.4	100.0	4.32
	post-9d	7.388	39.7	64.8	92.1	2.34	7.427	40.3	432.5	100.0	1.74
Sheep-04	post-awake	7.500	30.9	26.5	56.6	1.58	7.642	19.8	339.9	100.0	1.74
	post-1d	7.491	30.1	42.8	83.1	1.14	7.608	19.1	333.6	100.0	1.07
	post-2d	7.583	20.8	84.6	98.1	0.94	7.598	26.0	447.7	100.0	0.83
	post-3d	7.433	28.8	73.1	95.3	1.03	7.456	35.0	472.0	100.0	0.96
	post-4d	7.468	23.4	109.0	98.7	0.96	7.518	23.7	563.0	100.0	0.66
Sheep-05	post-awake	7.621	22.2	35.6	81.4	1.73	7.716	18.2	414.5	100.0	1.98
	post-1d	7.374	39.5	47.1	81.7	0.76	7.450	34.9	401.4	100.0	0.70
	post-2d	7.385	34.4	51.2	85.7	0.83	7.372	35.6	384.4	100.0	0.71
	post-3d	7.455	28.7	46.5	85.1	0.59	7.453	32.7	407.3	100.0	0.84
	post-4d	7.411	33.6	46.7	83.3	0.67	7.415	38.9	492.7	100.0	0.61
	post-5d	7.391	35.1	49.4	84.6	0.96	7.411	37.0	406.8	100.0	0.63
	post-6d	7.398	35.5	50.1	85.4	0.82	7.429	35.8	465.9	100.0	1.00
	post-7d	7.362	41.3	53.3	85.9	1.78	7.431	36.7	273.0	99.9	1.39
	post-8d	7.373	41.5	57.7	88.8	1.61	7.469	38.8	433.2	100.0	1.42
	post-9d	7.268	53.8	76.2	92.7	3.27	7.402	49.3	344.7	99.9	0.57
Sheep-06	post-awake	7.528	29.6	32.1	70.6	1.08	7.678	21.4	383.4	100.0	1.11
	post-1d	7.362	39.6	44.7	78.8	0.63	7.408	33.5	282.8	99.9	0.54
	post-2d	7.452	33.9	55.4	90.1	0.62	7.407	46.4	350.3	99.9	0.44
	post-3d	7.368	43.1	45.7	79.8	0.58	7.430	40.4	423.9	100.0	0.64
	post-4d	7.464	36.8	65.9	2.7	0.65	7.500	39.6	511.7	100.0	0.61
	post-5d	7.373	42.9	85.5	96.1	0.76	7.398	40.0	410.9	100.0	0.62
	post-6d	7.371	45.2	63.5	91.1	0.68	7.384	49.2	430.1	100.0	0.42
	post-7d	7.371	40.4	52.0	85.4	1.10	7.415	35.3	257.2	99.9	0.80
	post-8d	7.396	41.1	69.4	93.5	0.84	7.414	42.3	399.0	100.0	0.79
	post-9d	7.415	45.3	66.7	93.0	0.72	7.419	47.1	339.9	99.9	0.55
	post-10d	7.385	40.3	61.9	91.0	0.65	7.416	41.2	486.2	100.0	0.65
	post-11d	7.441	32.5	53.7	89.1	0.68	7.446	33.7	447.9	100.0	0.62
	post-12d	7.469	29.5	67.2	94.5	0.65	7.498	29.8	432.6	100.0	0.59
	post-13d	7.421	33.1	76.3	95.6	0.63	7.414	38.6	498.4	100.0	0.41
	post-14d	7.412	31.7	78.9	95.9	0.52	7.403	38.1	508.1	100.0	0.46
	post-15d	7.456	32.5	85.6	97.1	0.72	7.444	36.4	449.6	100.0	0.36
Sheep-07	post-awake	7.412	35.4	40.4	76.6	0.99	7.546	27.5	458.3	100.0	1.34
	post-1d	7.426	37.1	45.2	82.2	0.45	7.431	39.5	414.8	100.0	0.38
	post-2d	7.458	33.7	40.7	79.2	0.61	7.476	33.2	429.0	100.0	0.63
	post-3d	7.436	33.9	48.6	85.7	0.38	7.455	33.9	411.1	100.0	0.46
	post-4d	7.425	32.5	37.2	73.1	0.41	7.448	32.7	453.0	100.0	0.58
	post-5d	7.410	31.3	42.0	78.7	0.51	7.394	33.6	388.4	100.0	0.34
	post-6d	7.368	31	52.3	86.1	0.49	7.362	35.8	443.5	100.0	0.34
	post-7d	7.347	32	50.1	83.7	0.39	7.359	34.5	385.3	100.0	0.35
Sheep-08	post-awake	7.429	43.1	42.5	79.0	0.61	7.557	31.9	468.4	100.0	0.51
	post-1d	7.402	38.5	50.3	85.4	0.56	7.430	35.1	399.3	100.0	0.50
Sheep-09	post-awake	7.444	33.4	34.6	69.9	0.93	7.545	24.0	352.5	100.0	0.62
	post-1d	7.377	40.8	39.9	73.6	0.56	7.457	32.3	349.3	100.0	0.45
Sheep-11	post-awake	7.549	22.8	40.2	83.6	1.19	7.562	19.7	254.7	99.9	1.24
	post-1d	7.420	36.4	38.1	73.8	2.05	7.449	32.9	272.1	99.9	1.61
	post-2d	7.436	42.6	45.3	82.3	0.95	7.448	45.2	383.9	100.0	0.67
	post-3d	7.473	36.6	43.6	82.6	0.73	7.537	35.0	513.7	100.0	0.73
	post-4d	7.474	35.1	42.0	81.2	0.80	7.536	31.9	476.2	100.0	0.98
	post-5d	7.464	36.7	42.2	80.0	0.96	7.550	34.4	504.9	100.0	0.94
	post-6d	7.430	37.6	41.5	78.5	0.67	7.442	41.9	491.7	100.0	0.55
	post-7d	7.426	40.5	34.7	68.2	0.74	7.534	32.9	468.2	100.0	0.76
	post-8d	7.401	48.5	46.1	81.1	0.64	7.474	36.5	422.6	100.0	0.46
	post-9d	7.451	39.8	41.9	79.6	1.01	7.478	40.2	466.3	100.0	0.84
	post-10d	7.517	37.5	40.5	81.1	0.67	7.595	34.4	527.9	100.0	0.53
	post-11d	7.461	40.2	49.4	86.6	0.69	7.515	36.8	504.0	100.0	0.67
	post-12d	7.455	39.7	48.9	86.1	0.68	7.540	35.3	533.7	100.0	0.73
	post-13d	7.464	42.2	43.5	81.6	0.45	7.539	38.7	510.0	100.0	0.47
	post-14d	7.453	42.6	43.7	81.4	0.40	7.526	40.3	549.0	100.0	0.45
	post-15d	7.442	44.5	47.1	83.9	0.70	7.520	38.1	478.0	100.0	0.64

PCO2, partial pressure of carbon dioxide; PO2, partial pressure of oxygen; SO2, oxygen saturation; Lac, Lactic acid.