

## Multi M1

		N <sub>2</sub> Tissue Compartments										
		5	10	20	40	80	120	160	320	480	640	T1/2
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Initial Tissue PN <sub>2</sub>	26.07	2.2990	2.0083	1.7060	1.3905	1.2726	1.2619	1.2548	1.2350	1.2208	1.2137	Slope
Safety Enhancement (20-100)	0	103.60	87.58	72.42	58.08	52.08	50.83	48.33	47.24	46.74	46.24	Intercept
Local Barometer (mmHg)	760	2.2990	2.0083	1.7060	1.3905	1.2726	1.2619	1.2548	1.2350	1.2208	1.2137	Safety Slope
Initial Steady State FiO2	0.21	103.60	87.58	72.42	58.08	52.08	50.83	48.33	47.24	46.74	46.24	Safety Intercept
Depth Gauge Must = 0 at Surface of Water!												
Linear Transition Time	0.00	2.1	26.07	26.07	26.07	26.07	26.07	26.07	26.07	26.07	26.07	PN <sub>2</sub> (t)
Transition O <sub>2</sub> Fraction	0.21											
Calculated Target PN <sub>2</sub>	76.63	250.86	216.20	181.67	147.13	133.57	131.63	128.67	126.31	124.90	123.94	Nxt Seg Ms
Initial PN <sub>2</sub> Inspired	26.07	250.86	216.20	181.67	147.13	133.57	131.63	128.67	126.31	124.90	123.94	Safety Ms
Target - Initial	50.56	224.79	190.13	155.60	121.05	107.50	105.56	102.60	100.24	98.83	97.87	Buffer
Segment 1 Conditions												
Segment Depth (FSW)	64	75.43	68.85	56.80	44.96	36.62	33.37	31.65	28.94	28.00	27.53	PN <sub>2</sub> (t)
Segment Time (Min)	27	138.41	117.95	98.20	79.08	71.29	69.87	67.23	65.84	65.13	64.52	Nxt Seg Ms
Inspired O <sub>2</sub> Fraction	0.21	138.41	117.95	98.20	79.08	71.29	69.87	67.23	65.84	65.13	64.52	Safety Ms
Calculated PN <sub>2</sub>	76.63	62.98	49.10	41.40	34.12	34.67	36.49	35.58	36.90	37.12	36.99	Buffer
64.00												
Linear Transition Time	1.60	1.6										
Transition O <sub>2</sub> Fraction	0.21	70.89	67.35	56.74	45.28	36.90	33.59	31.83	29.04	28.07	27.58	PN <sub>2</sub> (t)
Calculated Target PN <sub>2</sub>	37.92	67.52	50.60	41.45	33.80	34.39	36.28	35.41	36.80	37.06	36.94	Buffer
Initial PN <sub>2</sub> Inspired	76.63											
Target - Initial	-38.71											
Segment 2 Conditions												
Segment Depth (FSW)	15	59.67	61.83	54.89	44.91	36.92	33.66	31.91	29.10	28.11	27.61	PN <sub>2</sub> (t)
Segment Time (Min)	3	103.60	87.58	72.42	58.08	52.08	50.83	48.33	47.24	46.74	46.24	Nxt Seg Ms
Inspired O <sub>2</sub> Fraction	0.21	103.60	87.58	72.42	58.08	52.08	50.83	48.33	47.24	46.74	46.24	Safety Ms
Calculated PN <sub>2</sub>	37.92	43.93	25.75	17.53	13.17	15.16	17.17	16.42	18.14	18.63	18.63	Buffer
15.00												
Linear Transition Time	0.00	0.5										
Transition O <sub>2</sub> Fraction	0.21	59.67	61.83	54.89	44.91	36.92	33.66	31.91	29.10	28.11	27.61	PN <sub>2</sub> (t)
Calculated Target PN <sub>2</sub>	26.07	43.93	25.75	17.53	13.17	15.16	17.17	16.42	18.14	18.63	18.63	Buffer
Initial PN <sub>2</sub> Inspired	37.92											
Target - Initial	-11.85											
Segment 3 Conditions												
Segment Depth (FSW)	0	59.67	61.83	54.89	44.91	36.92	33.66	31.91	29.10	28.11	27.61	PN <sub>2</sub> (t)
Segment Time (Min)	0	103.60	87.58	72.42	58.08	52.08	50.83	48.33	47.24	46.74	46.24	Nxt Seg Ms
Inspired O <sub>2</sub> Fraction	0.21	103.60	87.58	72.42	58.08	52.08	50.83	48.33	47.24	46.74	46.24	Safety Ms
Calculated PN <sub>2</sub>	26.07	43.93	25.75	17.53	13.17	15.16	17.17	16.42	18.14	18.63	18.63	Buffer
0.00												
Linear Transition Time	0.00	0.0										
Transition O <sub>2</sub> Fraction	0.21	59.67	61.83	54.89	44.91	36.92	33.66	31.91	29.10	28.11	27.61	PN <sub>2</sub> (t)
Calculated Target PN <sub>2</sub>	26.07	43.93	25.75	17.53	13.17	15.16	17.17	16.42	18.14	18.63	18.63	Buffer
Initial PN <sub>2</sub> Inspired	26.07											
Target - Initial	0											
Segment 4 Conditions												
Segment Depth (FSW)	0	59.67	61.83	54.89	44.91	36.92	33.66	31.91	29.10	28.11	27.61	PN <sub>2</sub> (t)
Segment Time (Min)	0	103.60	87.58	72.42	58.08	52.08	50.83	48.33	47.24	46.74	46.24	Nxt Seg Ms
Inspired O <sub>2</sub> Fraction	0.21	103.60	87.58	72.42	58.08	52.08	50.83	48.33	47.24	46.74	46.24	Safety Ms
Calculated PN <sub>2</sub>	26.07	43.93	25.75	17.53	13.17	15.16	17.17	16.42	18.14	18.63	18.63	Buffer
0.00												
Linear Transition Time	0.00	0.0										
Transition O <sub>2</sub> Fraction	0.21	59.67	61.83	54.89	44.91	36.92	33.66	31.91	29.10	28.11	27.61	PN <sub>2</sub> (t)
Calculated Target PN <sub>2</sub>	26.07	43.93	25.75	17.53	13.17	15.16	17.17	16.42	18.14	18.63	18.63	Buffer

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Initial PN<sub>2</sub> Inspired 26.07  
Target - Initial 0

## Segment 5 Conditions

Segment Depth (FSW)	0	59.67	61.83	54.89	44.91	36.92	33.66	31.91	29.10	28.11	27.61	PN <sub>2</sub> (t)
Segment Time (Min)	0	103.60	87.58	72.42	58.08	52.08	50.83	48.33	47.24	46.74	46.24	Nxt Seg Ms
Inspired O <sub>2</sub> Fraction	0.21	103.60	87.58	72.42	58.08	52.08	50.83	48.33	47.24	46.74	46.24	Safety Ms
Calculated PN <sub>2</sub>	26.07	43.93	25.75	17.53	13.17	15.16	17.17	16.42	18.14	18.63	18.63	Buffer

0.00

Linear Transition Time 0.00 0.0  
Transition O<sub>2</sub> Fraction 0.21  
Calculated Target PN<sub>2</sub> 26.07  
Initial PN<sub>2</sub> Inspired 26.07  
Target - Initial 0

## Segment 6 Conditions

Segment Depth (FSW)	0	59.67	61.83	54.89	44.91	36.92	33.66	31.91	29.10	28.11	27.61	PN <sub>2</sub> (t)
Segment Time (Min)	0	103.60	87.58	72.42	58.08	52.08	50.83	48.33	47.24	46.74	46.24	Nxt Seg Ms
Inspired O <sub>2</sub> Fraction	0.21	103.60	87.58	72.42	58.08	52.08	50.83	48.33	47.24	46.74	46.24	Safety Ms
Calculated PN <sub>2</sub>	26.07	43.93	25.75	17.53	13.17	15.16	17.17	16.42	18.14	18.63	18.63	Buffer

0.00

Linear Transition Time 0.00 0.0  
Transition O<sub>2</sub> Fraction 0.21  
Calculated Target PN<sub>2</sub> 26.07  
Initial PN<sub>2</sub> Inspired 26.07  
Target - Initial 0

## Final Depth (FSW)

Final Depth (FSW)	0											
Final Air PN <sub>2</sub>	26.1											
Total Dive Time (Min)	31.6											
Residual PN <sub>2</sub> (mm-min)	7504.8	168.001	357.58	576.307	753.45	868.14	911.17	933.682	968.758	980.811	986.907	
Residual PN <sub>2</sub> Index (mm)	4.0026											

0.00

Torr Estimator: Alt (0-20000') = 6200 Torr = 601.77 Equiv = -6.87 FSW

## Multi M2

-0.693147181		30	N <sub>2</sub> Tissue Compartments										
RNT for Seg1 Depth	21.8		5	10	20	40	80	120	160	320	480	640	T1/2
Surface Interval (Min)	83		2.2990	2.0083	1.7060	1.3905	1.2726	1.2619	1.2548	1.2350	1.2208	1.2137	Slope
Safety Enhancement (20-100)	0		103.60	87.58	72.42	58.08	52.08	50.83	48.33	47.24	46.74	46.24	Intercept
Local Barometer (mmHg)	760		2.2990	2.0083	1.7060	1.3905	1.2726	1.2619	1.2548	1.2350	1.2208	1.2137	Safety Slope
Surface Interval FIO2	0.21		103.60	87.58	72.42	58.08	52.08	50.83	48.33	47.24	46.74	46.24	Safety Intercept
		30.77	77.42	Depth Gauge Must = 0 at Surface of Water!									
RNT Loading			74.91	66.06	53.27	42.20	34.89	32.14	30.69	28.72	27.94	27.51	
Linear Transition Time	0.00	2.2	74.91	66.06	53.27	42.20	34.89	32.14	30.69	28.72	27.94	27.51	PN <sub>2</sub> (t)
Transition O <sub>2</sub> Fraction	0.21												
Calculated Target PN <sub>2</sub>	77.42		253.15	218.21	183.38	148.51	134.84	132.89	129.92	127.54	126.12	125.16	Nxt Seg Ms
Initial PN <sub>2</sub> Inspired	26.07		253.15	218.21	183.38	148.51	134.84	132.89	129.92	127.54	126.12	125.16	Safety Ms
Target - Initial	51.35		178.25	152.15	130.11	106.31	99.95	100.76	99.23	98.83	98.18	97.65	Buffer
Segment 1 Conditions		Enter Segment Time Only! I Have Already Added The RNT!!											
Segment Depth (FSW)	65		77.32	75.11	66.54	53.78	42.58	37.77	35.12	31.08	29.55	28.74	PN <sub>2</sub> (t)
Segment Time (Min)	23	45	138.41	117.95	98.20	79.08	71.29	69.87	67.23	65.84	65.13	64.52	Nxt Seg Ms
Inspired O <sub>2</sub> Fraction	0.21	TBT	138.41	117.95	98.20	79.08	71.29	69.87	67.23	65.84	65.13	64.52	Safety Ms
Calculated PN <sub>2</sub>	77.42		61.09	42.84	31.66	25.30	28.71	32.10	32.11	34.76	35.57	35.78	Buffer
65.00													
Linear Transition Time	1.70	1.7											
Transition O <sub>2</sub> Fraction	0.21		72.14	72.86	65.94	53.87	42.79	37.96	35.29	31.18	29.62	28.79	PN <sub>2</sub> (t)
Calculated Target PN <sub>2</sub>	37.92		66.27	45.10	32.26	25.21	28.49	31.90	31.95	34.66	35.50	35.73	Buffer
Initial PN <sub>2</sub> Inspired	77.42												
Target - Initial	-39.5												
Segment 2 Conditions													
Segment Depth (FSW)	15		60.50	66.30	63.17	53.06	42.67	37.96	35.32	31.22	29.66	28.82	PN <sub>2</sub> (t)
Segment Time (Min)	3		103.60	87.58	72.42	58.08	52.08	50.83	48.33	47.24	46.74	46.24	Nxt Seg Ms
Inspired O <sub>2</sub> Fraction	0.21		103.60	87.58	72.42	58.08	52.08	50.83	48.33	47.24	46.74	46.24	Safety Ms
Calculated PN <sub>2</sub>	37.92		43.10	21.28	9.25	5.02	9.41	12.87	13.01	16.02	17.08	17.42	Buffer
15.00													
Linear Transition Time	0.50	0.5											
Transition O <sub>2</sub> Fraction	0.21		58.55	65.12	62.64	52.88	42.62	37.94	35.31	31.22	29.66	28.82	PN <sub>2</sub> (t)
Calculated Target PN <sub>2</sub>	26.07		45.05	22.46	9.78	5.20	9.46	12.89	13.02	16.02	17.08	17.42	Buffer
Initial PN <sub>2</sub> Inspired	37.92												
Target - Initial	-11.85												
Segment 3 Conditions													
Segment Depth (FSW)	0		58.55	65.12	62.64	52.88	42.62	37.94	35.31	31.22	29.66	28.82	PN <sub>2</sub> (t)
Segment Time (Min)	0		103.60	87.58	72.42	58.08	52.08	50.83	48.33	47.24	46.74	46.24	Nxt Seg Ms
Inspired O <sub>2</sub> Fraction	0.21		103.60	87.58	72.42	58.08	52.08	50.83	48.33	47.24	46.74	46.24	Safety Ms
Calculated PN <sub>2</sub>	26.07		45.05	22.46	9.78	5.20	9.46	12.89	13.02	16.02	17.08	17.42	Buffer
0.00													
Linear Transition Time	0.00	0.0											
Transition O <sub>2</sub> Fraction	0.21		58.55	65.12	62.64	52.88	42.62	37.94	35.31	31.22	29.66	28.82	PN <sub>2</sub> (t)
Calculated Target PN <sub>2</sub>	26.07		45.05	22.46	9.78	5.20	9.46	12.89	13.02	16.02	17.08	17.42	Buffer
Initial PN <sub>2</sub> Inspired	26.07												
Target - Initial	0												
Segment 4 Conditions													
Segment Depth (FSW)	0		58.55	65.12	62.64	52.88	42.62	37.94	35.31	31.22	29.66	28.82	PN <sub>2</sub> (t)
Segment Time (Min)	0		103.60	87.58	72.42	58.08	52.08	50.83	48.33	47.24	46.74	46.24	Nxt Seg Ms
Inspired O <sub>2</sub> Fraction	0.21		103.60	87.58	72.42	58.08	52.08	50.83	48.33	47.24	46.74	46.24	Safety Ms
Calculated PN <sub>2</sub>	26.07		45.05	22.46	9.78	5.20	9.46	12.89	13.02	16.02	17.08	17.42	Buffer
0.00													
Linear Transition Time	0.00	0.0											
Transition O <sub>2</sub> Fraction	0.21		58.55	65.12	62.64	52.88	42.62	37.94	35.31	31.22	29.66	28.82	PN <sub>2</sub> (t)
Calculated Target PN <sub>2</sub>	26.07		45.05	22.46	9.78	5.20	9.46	12.89	13.02	16.02	17.08	17.42	Buffer
Initial PN <sub>2</sub> Inspired	26.07												
Target - Initial	0												

## Multi M2

### Segment 5 Conditions

Segment Depth (FSW)	0	58.55	65.12	62.64	52.88	42.62	37.94	35.31	31.22	29.66	28.82	PN <sub>2</sub> (t)
Segment Time (Min)	0	103.60	87.58	72.42	58.08	52.08	50.83	48.33	47.24	46.74	46.24	Nxt Seg Ms
Inspired O <sub>2</sub> Fraction	0.21	103.60	87.58	72.42	58.08	52.08	50.83	48.33	47.24	46.74	46.24	Safety Ms
Calculated PN <sub>2</sub>	26.07	45.05	22.46	9.78	5.20	9.46	12.89	13.02	16.02	17.08	17.42	Buffer

0.00

Linear Transition Time	0.00	0.0										
Transition O <sub>2</sub> Fraction	0.21	58.55	65.12	62.64	52.88	42.62	37.94	35.31	31.22	29.66	28.82	PN <sub>2</sub> (t)
Calculated Target PN <sub>2</sub>	26.07	45.05	22.46	9.78	5.20	9.46	12.89	13.02	16.02	17.08	17.42	Buffer
Initial PN <sub>2</sub> Inspired	26.07											
Target - Initial	0											

### Segment 6 Conditions

Segment Depth (FSW)	0	58.55	65.12	62.64	52.88	42.62	37.94	35.31	31.22	29.66	28.82	PN <sub>2</sub> (t)
Segment Time (Min)	0	103.60	87.58	72.42	58.08	52.08	50.83	48.33	47.24	46.74	46.24	Nxt Seg Ms
Inspired O <sub>2</sub> Fraction	0.21	103.60	87.58	72.42	58.08	52.08	50.83	48.33	47.24	46.74	46.24	Safety Ms
Calculated PN <sub>2</sub>	26.07	45.05	22.46	9.78	5.20	9.46	12.89	13.02	16.02	17.08	17.42	Buffer

0.00

Linear Transition Time	0.00	0.0										
Transition O <sub>2</sub> Fraction	0.21	58.55	65.12	62.64	52.88	42.62	37.94	35.31	31.22	29.66	28.82	PN <sub>2</sub> (t)
Calculated Target PN <sub>2</sub>	26.07	45.05	22.46	9.78	5.20	9.46	12.89	13.02	16.02	17.08	17.42	Buffer
Initial PN <sub>2</sub> Inspired	26.07											
Target - Initial	0											

### Final Depth (FSW)

Final Depth (FSW)	0											
Final Air PN <sub>2</sub>	26.1	Torr Estimator:	Alt (0-20000') =	16500	Torr =	403.66	Equiv =	-15.47	FSW			
Total Dive Time (Min)	28.2											
Residual PN <sub>2</sub> (mm-min)	11719	162.408	390.48	731.295	1072.32	1324.09	1424.77	1478.78	1649.38	1723.43	1762.44	
Residual PN <sub>2</sub> Index (mm)	6.25											

0.00

Deco Time Estimate (Tot-Seg1) 5.2

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