

Multi M1

-0.693147181 30		N ₂ Tissue Compartments											
Copyright (C) 1998 Benton P. Zwart		5	10	20	40	80	120	160	320	480	640	T1/2	
Initial Tissue PN ₂	21.782	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)	20	103.60	87.58	72.42	58.08	52.08	50.83	48.33	47.24	46.74	46.24	Intercept	
Local Barometer (mmHg)	635	1.9968	1.7642	1.5224	1.2700	1.1757	1.1671	1.1614	1.1456	1.1342	1.1285	Safety Slope	
Initial Steady State FiO ₂	0.21	88.08	75.26	63.14	51.66	46.86	45.86	43.86	42.99	42.59	42.19	Safety Intercept	
Depth Gauge Must = 0 at Surface of Water!													
Linear Transition Time	0.00	2.3	21.78	21.78	21.78	21.78	21.78	21.78	21.78	21.78	21.78	21.78	PN ₂ (t)
Transition O ₂ Fraction	0.21												
Calculated Target PN ₂	72.342	238.39	205.31	172.42	139.58	126.67	124.79	121.86	119.61	118.28	117.36	Nxt Seg Ms	
Initial PN ₂ Inspired	21.782	205.14	178.68	152.37	126.10	115.76	114.26	111.92	110.12	109.05	108.32	Safety Ms	
Target - Initial	50.56	183.36	156.90	130.59	104.31	93.98	92.48	90.14	88.33	87.27	86.53	Buffer	
Segment 1 Conditions													
Segment Depth (FSW)	64	71.15	64.56	52.51	40.68	32.33	29.08	27.36	24.65	23.72	23.24	PN ₂ (t)	
Segment Time (Min)	27	125.92	107.04	88.93	71.53	64.37	63.01	60.42	59.13	58.50	57.93	Nxt Seg Ms	
Inspired O ₂ Fraction	0.21	107.44	92.34	77.85	63.93	58.21	57.12	55.04	54.02	53.51	53.05	Safety Ms	
Calculated PN ₂	72.342	36.30	27.78	25.35	23.26	25.88	28.03	27.68	29.36	29.79	29.81	Buffer	
58.57													
Linear Transition Time	1.60	1.6											
Transition O ₂ Fraction	0.21	66.60	63.07	52.46	40.99	32.61	29.30	27.54	24.75	23.78	23.29	PN ₂ (t)	
Calculated Target PN ₂	33.632	40.84	29.28	25.40	22.94	25.60	27.82	27.50	29.26	29.72	29.76	Buffer	
Initial PN ₂ Inspired	72.342												
Target - Initial	-38.71												
Segment 2 Conditions													
Segment Depth (FSW)	15	55.38	57.54	50.60	40.62	32.63	29.38	27.62	24.81	23.83	23.32	PN ₂ (t)	
Segment Time (Min)	3	90.41	76.14	62.75	50.22	44.92	43.75	41.34	40.37	39.95	39.49	Nxt Seg Ms	
Inspired O ₂ Fraction	0.21	76.68	65.25	54.54	44.52	40.28	39.34	37.42	36.64	36.30	35.94	Safety Ms	
Calculated PN ₂	33.632	21.29	7.71	3.95	3.90	7.64	9.97	9.80	11.83	12.48	12.62	Buffer	
9.57													
Linear Transition Time	0.00	0.5											
Transition O ₂ Fraction	0.21	55.38	57.54	50.60	40.62	32.63	29.38	27.62	24.81	23.83	23.32	PN ₂ (t)	
Calculated Target PN ₂	21.782	21.29	7.71	3.95	3.90	7.64	9.97	9.80	11.83	12.48	12.62	Buffer	
Initial PN ₂ Inspired	33.632												
Target - Initial	-11.85												
Segment 3 Conditions													
Segment Depth (FSW)	0	55.38	57.54	50.60	40.62	32.63	29.38	27.62	24.81	23.83	23.32	PN ₂ (t)	
Segment Time (Min)	0	90.41	76.14	62.75	50.22	44.92	43.75	41.34	40.37	39.95	39.49	Nxt Seg Ms	
Inspired O ₂ Fraction	0.21	76.68	65.25	54.54	44.52	40.28	39.34	37.42	36.64	36.30	35.94	Safety Ms	
Calculated PN ₂	21.782	21.29	7.71	3.95	3.90	7.64	9.97	9.80	11.83	12.48	12.62	Buffer	
-5.43													
Linear Transition Time	0.00	0.0											
Transition O ₂ Fraction	0.21	55.38	57.54	50.60	40.62	32.63	29.38	27.62	24.81	23.83	23.32	PN ₂ (t)	
Calculated Target PN ₂	21.782	21.29	7.71	3.95	3.90	7.64	9.97	9.80	11.83	12.48	12.62	Buffer	
Initial PN ₂ Inspired	21.782												
Target - Initial	0												
Segment 4 Conditions													
Segment Depth (FSW)	0	55.38	57.54	50.60	40.62	32.63	29.38	27.62	24.81	23.83	23.32	PN ₂ (t)	
Segment Time (Min)	0	90.41	76.14	62.75	50.22	44.92	43.75	41.34	40.37	39.95	39.49	Nxt Seg Ms	
Inspired O ₂ Fraction	0.21	76.68	65.25	54.54	44.52	40.28	39.34	37.42	36.64	36.30	35.94	Safety Ms	
Calculated PN ₂	21.782	21.29	7.71	3.95	3.90	7.64	9.97	9.80	11.83	12.48	12.62	Buffer	
-5.43													
Linear Transition Time	0.00	0.0											
Transition O ₂ Fraction	0.21	55.38	57.54	50.60	40.62	32.63	29.38	27.62	24.81	23.83	23.32	PN ₂ (t)	
Calculated Target PN ₂	21.782	21.29	7.71	3.95	3.90	7.64	9.97	9.80	11.83	12.48	12.62	Buffer	

Multi M1

Initial PN₂ Inspired 21.782
Target - Initial 0

Segment 5 Conditions

Segment Depth (FSW)	0	55.38	57.54	50.60	40.62	32.63	29.38	27.62	24.81	23.83	23.32	PN ₂ (t)
Segment Time (Min)	0	90.41	76.14	62.75	50.22	44.92	43.75	41.34	40.37	39.95	39.49	Nxt Seg Ms
Inspired O ₂ Fraction	0.21	76.68	65.25	54.54	44.52	40.28	39.34	37.42	36.64	36.30	35.94	Safety Ms
Calculated PN ₂	21.782	21.29	7.71	3.95	3.90	7.64	9.97	9.80	11.83	12.48	12.62	Buffer

-5.43

Linear Transition Time 0.00 0.0
Transition O₂ Fraction 0.21
Calculated Target PN₂ 21.782 21.29 7.71 3.95 3.90 7.64 9.97 9.80 11.83 12.48 12.62
Initial PN₂ Inspired 21.782
Target - Initial 0

Segment 6 Conditions

Segment Depth (FSW)	0	55.38	57.54	50.60	40.62	32.63	29.38	27.62	24.81	23.83	23.32	PN ₂ (t)
Segment Time (Min)	0	90.41	76.14	62.75	50.22	44.92	43.75	41.34	40.37	39.95	39.49	Nxt Seg Ms
Inspired O ₂ Fraction	0.21	76.68	65.25	54.54	44.52	40.28	39.34	37.42	36.64	36.30	35.94	Safety Ms
Calculated PN ₂	21.782	21.29	7.71	3.95	3.90	7.64	9.97	9.80	11.83	12.48	12.62	Buffer

-5.43

Linear Transition Time 0.00 0.0
Transition O₂ Fraction 0.21
Calculated Target PN₂ 21.782 21.29 7.71 3.95 3.90 7.64 9.97 9.80 11.83 12.48 12.62
Initial PN₂ Inspired 21.782
Target - Initial 0

Final Depth (FSW)

Final Depth (FSW)	0											
Final Air PN ₂	21.8											
Total Dive Time (Min)	31.6											
Residual PN ₂ (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 ₂ Index (mm)	4.0026											

-5.43

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

Multi M2

-0.693147181		30	N ₂ 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)	20		103.60	87.58	72.42	58.08	52.08	50.83	48.33	47.24	46.74	46.24	Intercept
Local Barometer (mmHg)	635		1.9968	1.7642	1.5224	1.2700	1.1757	1.1671	1.1614	1.1456	1.1342	1.1285	Safety Slope
Surface Interval FIO2	0.21		88.08	75.26	63.14	51.66	46.86	45.86	43.86	42.99	42.59	42.19	Safety Intercept
		26.48	73.13	Depth Gauge Must = 0 at Surface of Water!									
RNT Loading		70.62	61.77	48.98	37.91	30.61	27.85	26.40	24.43	23.65	23.22		
Linear Transition Time	0.00	2.2	70.62	61.77	48.98	37.91	30.61	27.85	26.40	24.43	23.65	23.22	PN ₂ (t)
Transition O ₂ Fraction	0.21												
Calculated Target PN ₂	73.13		240.69	207.32	174.13	140.97	127.94	126.05	123.11	120.84	119.50	118.57	Nxt Seg Ms
Initial PN ₂ Inspired	21.78		207.14	180.44	153.89	127.37	116.94	115.43	113.08	111.26	110.18	109.45	Safety Ms
Target - Initial	51.35		136.52	118.67	104.91	89.45	86.33	87.58	86.68	86.83	86.53	86.22	Buffer
Enter Segment Time Only! I Have Already Added The RNT!!													
Segment 1 Conditions													
Segment Depth (FSW)	65		73.03	70.83	62.25	49.49	38.29	33.48	30.83	26.79	25.27	24.45	PN ₂ (t)
Segment Time (Min)	23	45	102.58	86.70	71.67	57.47	51.52	50.28	47.79	46.70	46.21	45.71	Nxt Seg Ms
Inspired O ₂ Fraction	0.21	TBT	87.20	74.49	62.47	51.11	46.35	45.36	43.36	42.50	42.10	41.70	Safety Ms
Calculated PN ₂	73.13		14.17	3.66	0.22	1.62	8.06	11.87	12.53	15.70	16.83	17.25	Buffer
59.57													
Linear Transition Time	2.00	2.0											
Transition O ₂ Fraction	0.21		65.68	67.54	61.25	49.45	38.47	33.66	30.99	26.89	25.34	24.51	PN ₂ (t)
Calculated Target PN ₂	25.73		21.52	6.94	1.22	1.66	7.88	11.70	12.37	15.60	16.76	17.20	Buffer
Initial PN ₂ Inspired	73.13												
Target - Initial	-47.4												
Segment 2 Conditions													
Segment Depth (FSW)	5		31.47	41.58	47.59	44.34	37.02	33.04	30.68	26.86	25.34	24.52	PN ₂ (t)
Segment Time (Min)	14		90.41	76.14	62.75	50.22	44.92	43.75	41.34	40.37	39.95	39.49	Nxt Seg Ms
Inspired O ₂ Fraction	0.21		76.68	65.25	54.54	44.52	40.28	39.34	37.42	36.64	36.30	35.94	Safety Ms
Calculated PN ₂	25.73		45.21	23.68	6.95	0.18	3.26	6.30	6.74	9.78	10.96	11.42	Buffer
-0.43													
Linear Transition Time	0.20	0.2											
Transition O ₂ Fraction	0.21		31.25	41.33	47.43	44.27	36.99	33.03	30.68	26.86	25.34	24.52	PN ₂ (t)
Calculated Target PN ₂	21.78		45.42	23.92	7.11	0.25	3.28	6.31	6.74	9.79	10.96	11.42	Buffer
Initial PN ₂ Inspired	25.73												
Target - Initial	-3.95												
Segment 3 Conditions													
Segment Depth (FSW)	0		31.25	41.33	47.43	44.27	36.99	33.03	30.68	26.86	25.34	24.52	PN ₂ (t)
Segment Time (Min)	0		90.41	76.14	62.75	50.22	44.92	43.75	41.34	40.37	39.95	39.49	Nxt Seg Ms
Inspired O ₂ Fraction	0.21		76.68	65.25	54.54	44.52	40.28	39.34	37.42	36.64	36.30	35.94	Safety Ms
Calculated PN ₂	21.78		45.42	23.92	7.11	0.25	3.28	6.31	6.74	9.79	10.96	11.42	Buffer
-5.43													
Linear Transition Time	0.00	0.0											
Transition O ₂ Fraction	0.21		31.25	41.33	47.43	44.27	36.99	33.03	30.68	26.86	25.34	24.52	PN ₂ (t)
Calculated Target PN ₂	21.78		45.42	23.92	7.11	0.25	3.28	6.31	6.74	9.79	10.96	11.42	Buffer
Initial PN ₂ Inspired	21.78												
Target - Initial	0												
Segment 4 Conditions													
Segment Depth (FSW)	0		31.25	41.33	47.43	44.27	36.99	33.03	30.68	26.86	25.34	24.52	PN ₂ (t)
Segment Time (Min)	0		90.41	76.14	62.75	50.22	44.92	43.75	41.34	40.37	39.95	39.49	Nxt Seg Ms
Inspired O ₂ Fraction	0.21		76.68	65.25	54.54	44.52	40.28	39.34	37.42	36.64	36.30	35.94	Safety Ms
Calculated PN ₂	21.78		45.42	23.92	7.11	0.25	3.28	6.31	6.74	9.79	10.96	11.42	Buffer
-5.43													
Linear Transition Time	0.00	0.0											
Transition O ₂ Fraction	0.21		31.25	41.33	47.43	44.27	36.99	33.03	30.68	26.86	25.34	24.52	PN ₂ (t)
Calculated Target PN ₂	21.78		45.42	23.92	7.11	0.25	3.28	6.31	6.74	9.79	10.96	11.42	Buffer
Initial PN ₂ Inspired	21.78												
Target - Initial	0												

Multi M2

Segment 5 Conditions

Segment Depth (FSW)	0	31.25	41.33	47.43	44.27	36.99	33.03	30.68	26.86	25.34	24.52	PN ₂ (t)
Segment Time (Min)	0	90.41	76.14	62.75	50.22	44.92	43.75	41.34	40.37	39.95	39.49	Nxt Seg Ms
Inspired O ₂ Fraction	0.21	76.68	65.25	54.54	44.52	40.28	39.34	37.42	36.64	36.30	35.94	Safety Ms
Calculated PN ₂	21.78	45.42	23.92	7.11	0.25	3.28	6.31	6.74	9.79	10.96	11.42	Buffer

-5.43

Linear Transition Time	0.00	0.0										
Transition O ₂ Fraction	0.21	31.25	41.33	47.43	44.27	36.99	33.03	30.68	26.86	25.34	24.52	PN ₂ (t)
Calculated Target PN ₂	21.78	45.42	23.92	7.11	0.25	3.28	6.31	6.74	9.79	10.96	11.42	Buffer
Initial PN ₂ Inspired	21.78											
Target - Initial	0											

Segment 6 Conditions

Segment Depth (FSW)	0	31.25	41.33	47.43	44.27	36.99	33.03	30.68	26.86	25.34	24.52	PN ₂ (t)
Segment Time (Min)	0	90.41	76.14	62.75	50.22	44.92	43.75	41.34	40.37	39.95	39.49	Nxt Seg Ms
Inspired O ₂ Fraction	0.21	76.68	65.25	54.54	44.52	40.28	39.34	37.42	36.64	36.30	35.94	Safety Ms
Calculated PN ₂	21.78	45.42	23.92	7.11	0.25	3.28	6.31	6.74	9.79	10.96	11.42	Buffer

-5.43

Linear Transition Time	0.00	0.0										
Transition O ₂ Fraction	0.21	31.25	41.33	47.43	44.27	36.99	33.03	30.68	26.86	25.34	24.52	PN ₂ (t)
Calculated Target PN ₂	21.78	45.42	23.92	7.11	0.25	3.28	6.31	6.74	9.79	10.96	11.42	Buffer
Initial PN ₂ Inspired	21.78											
Target - Initial	0											

Final Depth (FSW)

Final Air PN ₂	21.8	Torr Estimator:	Alt (0-20000') =	16500	Torr =	403.66	Equiv =	-15.47	FSW			
Total Dive Time (Min)	39.2											
Residual PN ₂ (mm-min)	10733	47.362	195.48	512.922	899.506	1216.88	1350.17	1423.05	1623.59	1709.3	1754.6	
Residual PN ₂ Index (mm)	5.724											

-5.43

Deco Time Estimate (Tot-Seg1) 16.2

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