

Propofol emersion data

n=16

	Time to sedation(min)	full recovery time(min)	mortality
Mean	63.975625	7.376875	0.00%
std dev	1.389930304	2.35868528	0
median			

Propofol injection data

These crayfish became fully sedated
12 females, 7 males

n=19

	Time to sedation(min)	full recovery time(min)	mortality
Mean	0.2771	164.4990421	15.79%
std dev	0.273046523	77.28822946	0.360555128

MS-222 emersion

MS-222 had no observable effect on the crayfish
the relevant data is in the 4th sheet

immersion

Time to sedation(min)	full recovery time(min)	mortality
61.02	8.67	no
61.12	7.83	no
63.13	8.42	no
63.2	7.93	no
63.6	8.07	no
63.7	8.07	no
63.95	7.93	no
64.1	7.87	no
64.55	7.48	no
64.27	4.17	no
64.67	9.58	no
64.33	4.23	no
65.07	12.88	no
65.45	4.03	no
65.83	6.95	no
65.62	3.92	no

inj

Time to sedated (min)
0.3333
1.20
0.166667
0.72
0.47
0.116667
0.30
0.16667
0.15
0.25
0.14
0.113333
0.07667
0.125
0.1795
0.15317
0.3598667

0.13

0.12333

full recovery from sedation time(min) Mortality 24 hr

74.60	no
260.00	yes
260.00	no
214.65	no
260.00	yes
260.00	no
260.00	no
89.77	no
112.67	no
109.92	no
260.00	yes
165.48	no
83.405	no
139.305	no
104.4877	no
80.8319	no
99.5852	no

81.375 no
209.4040 no

crowdad	mortality	start time	end time	Time to sedation(min)
1	no	8:34	9:35:03	61.02
2	no	8:34	9:35:07	61.12
4	no	8:34	9:37:08	63.13
3	no	8:34	9:37:12	63.2
5	no	8:34	9:37:36	63.6
6	no	8:34	9:37:42	63.7
7	no	8:34	9:37:57	63.95
8	no	8:34	9:38:06	64.1
9	no	8:34	9:38:33	64.55
10	no	8:34	9:38:16	64.27
11	no	8:34	9:38:40	64.67
12	no	8:34	9:38:20	64.33
13	no	8:34	6:39:04	65.07
14	no	8:34	9:39:27	65.45
15	no	8:34	9:39:50	65.83
16	no	8:34	9:39:37	65.62
mean	0.00%		Mean	63.975625
			std dev	1.389930304
	f		median	64.185

full recovery time(min) ****seconds have been converted to decimal in minutes****

- 8.67
- 7.83
- 8.42
- 7.93
- 8.07
- 8.07
- 7.93
- 7.87
- 7.48
- 4.17
- 9.58
- 4.23
- 12.88
- 4.03
- 6.95
- 3.92

- 7.376875
- 2.35868528
- 7.9

crawdad	Mortality 24 hr	weight	dose (100mg/kg)	injected time	anesthetized time
1F	no	14	0.14	10:50:14	10:50:34
2A	yes	14	0.14	10:36:00	10:37:12
2B	no	17	0.17	10:38:14	10:38:24
2C	no	18	0.18	10:40:39	10:41:22
2D	yes	14	0.14	10:24:50	10:43:18
2E	no	14	0.14	10:47:16	10:47:23
2F	no	23	0.23	10:49:00	10:49:18
3A	no	17	0.17	10:32:09	10:32:19
3B	no	13	0.13	10:34:15	10:34:24
3C	no	11	0.11	10:37:00	10:37:15
3D	yes	10	0.1	10:44:00	10:44:08:4
3E	no	14	0.14	10:42:12	10:42:18:8
3F	no	14	0.14	10:43:38	10:43:42:6
4A	no	16	0.16	10:48:17	10:48:24:5
4B	no	13	0.13	10:57:01	10:57:11:77
4C	no	16	0.16	10:53:19	10:53:28:19
4D	no	13	0.13	10:54:00	10:54:21:52
4E	no	13	0.13	10:52:03	10:52:10:5
4F	no	14	0.14	10:50:42	10:50:49:4

yes=dead
no=alive

mean	0.1579	14.6316	0.146315789
std dev		2.83256	0.028325592
Range		13	0.13
max		23	0.23
min		10	0.1
variance	0.13		

Fully recovered (righted) time	Time to sedated (min)	time to sedation (sec)
12:05:10	0.3333	19.8
15:11:00	1.20	72
15:11:00	0.166667	10
14:16:00	0.72	43.2
15:11:00	0.47	28
15:11:00	0.116667	7
15:11:00	0.30	18
1:02:05	0.16667	10
12:27:04	0.15	9
12:27:10	0.25	15
15:11:00	0.14	8.4
1:27:46	0.113333	7
12:07:06	0.07667	4.6
1:07:42	0.125	7.5
12:41:40	0.1795	10.77
12:14:18	0.15317	9.19
12:33:56	0.3598667	21.52
12:13:32	0.13	7.8
14:20:13	0.12333	7.4
Mean	0.2771	16.6411
std dev	0.273046523	16.36364768
Range	1.123333	67.400000
max	1.20	72.00
min	0.0767	4.6000
Median	0.1667	10.0000

full recovery from sedation time(min) ****seconds have been converted to decimal in minutes****

74.60
260.00
260.00
214.65
260.00
260.00
260.00
89.77
112.67
109.92
260.00
165.48
83.405
139.305
104.4877
80.8319
99.5852
81.375
209.4040

164.4990
77.28822946
185.400000
260.00
74.6000
139.3050

ID	weight	Gender	dose(mg/L)	time to sedation
1	52.22	M	50	NOE
2	41.76	M	50	NOE
3	25.49	M	50	NOE
4	28.55	M	50	NOE
5	13.95	F	50	NOE
6	16.37	F	50	NOE
7	16.61	F	50	NOE
8	23.81	F	50	NOE
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9	38.5	F	150	NOE
10	44.38	F	150	NOE
11	23.6	F	150	NOE
12	32.99	F	150	NOE
13	26.28	M	150	NOE
14	14.7	M	150	NOE
15	15.13	M	150	NOE
16	17.58	M	150	NOE

NOE= no observable effect

mean 26.995
std dev 11.8973723