

Audiogram of the fishing bat (*Noctilio leporinus*)

Data from: Wenstrup, J.J. (1984) Auditory sensitivity in the fish-catching bat, *Noctilio leporinus*. *Journal of Comparative Physiology*, 155, 91-101.

Absolute thresholds (in dB re 20 $\mu\text{N}/\text{m}^2$) for three fishing bats (designated A through C)

Frequency (in kHz)	Individual Thresholds (in dB)			Average
	A	B	C	
1	77	81	78	79
2	—	82	67	75
4	77	73	75	75
8	57	66	51	58
16	38	45	30	38
22	28	23	3	18
32	9	7	0	5
40	5	5	3	4
48		5.5	5	5
54	3	8	2	4.3
56	2	5	1	3
58	7	18	-2	8
60	—	36	12	29
64	28	40	21	30
80	38	45	24	36
100	38	48	23	36
110	—	—	48	48
115	—	80	—	80
120	—	—	80	80

Lowest and highest frequencies audible at sound pressure levels (SPL) ranging from 30 to 70 dB SPL

SPL (in dB)	Lowest audible frequency (in kHz)	Highest audible frequency (in kHz)
70	5	112
60	7.5	111
50	10.6	110
40	15	103
30	18	64

Additional Parameters:

Body weight = 69 g

Functional interaural distance = 87 μs

(Time required for sound to travel around the head from one auditory meatus to the other.)

Comments: Threshold values taken from graph in Wenstrup, 1984.