

Audiogram of the ground-gleaning bat (*Megaderma lyra*)

Data from: Schmidt, S., Turke, B., and Vogler, B. (1983). Behavioural audiogram from the bat, *Megaderma lyra*. *Myotis*, 21/22, 62-66.

Neuweiler, G. (1984). Foraging, echolocation, and audition in bats. *Naturwissenschaften*, 71, 446-455.

Average absolute thresholds (in dB re 20 $\mu\text{N}/\text{m}^2$) for an unknown number of ground gleaning bats

Frequency (in kHz)	Average Threshold (in dB)
1	68
4	47
7	49
10	36
13.3	18
15	20
16	-6
18	-10
22	-7
30	-16
35	-10
40	-9
45	-5
50	2
55	-2
60	-1
65	-6
75	-5
83	-3
90	8
105	22
110	25
130	35

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	.900	—
60	1.7	—
50	3.2	(160)
40	9	(140)
30	11	120

Additional Parameters:

Body weight = 50 g

Functional interaural distance= ? μ s

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

Comments: Threshold values taken from table in Fay, R.R.(1988) *Hearing in Vertebrates: A Psychophysics Databook*. Hill-FayAssociates, Winnetka, IL.