

Audiogram of the grasshopper mouse (*Onychomys leucogaster*)

Data from: Heffner, H.E., and Heffner, R.S. (1985) Hearing in two cricetid rodents: Wood rat (*Neotoma floridana* and grasshopper mouse (*Onychomys leucogaster*). *Journal of Comparative Psychology*, 99, 275-288.

Absolute thresholds (in dB re 20 $\mu\text{N}/\text{m}^2$) for three grasshopper mice (designated A, B, and C)

Frequency (in kHz)	Individual Thresholds (in dB)			Average
	A	B	C	
.500	94	~85	>95	>92
1	85	>92	95	~92
2	57	58	59	58
4	38	26	33	32
8	8	6	14	9
16	15	17	20	17
32	26	28	—	27
64	47	51	50	49
80	77	81	77	78

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	1.5	75
60	1.78	68
50	2.46	64.5
40	3.45	48
30	4.5	35

Additional Parameters:

Body weight = 46 g

Functional interaural distance= 61 μs

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

Comments: Threshold values taken from original data.