

Audiogram of the cotton rat (*Sigmodon hispidus*)

Data from: Heffner, H., and Masterton, R. (1980). Hearing in glires: domestic rabbit, cotton rat, feral house mouse and kangaroo rat. *Journal of the Acoustic Society of America*, 68, 154-1599.

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

Frequency (in kHz)	Individual Thresholds (in dB)			Average
	A	B	C	
.500	80	80	79	80
1	62	65	—	64
2	20	18	18	19
4	18	23	23	21
8	-8	-3	—	-6
16	0	2	-2	0
32	8	11	11	10
64	34	35	—	34
70	45	—	—	45
76	80	80	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	.740	74
60	1	72
50	1.2	71
40	1.45	67
30	1.7	58

Additional Parameters:

Body weight = 125 g

Functional interaural distance= 65 μs

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

Comments: Threshold values taken from original data.