

Audiogram of the chinchilla (*Chinchilla laniger*)

Data from: Heffner, R.S., and Heffner, H.E. (1991). Behavioral hearing range of the chinchilla. *Hearing Research*, 52, 13-16.

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

Frequency (in kHz)	Individual Thresholds (in dB)			Average
	A	B	C	
.0315	79	83	83	82
.0625	49	53	55	52
.125	35	26	25	29
.250	16	15	15	15
.500	12	6	7	8
1	9	3	6	7
2	9	5	9	8
4	8	5	7	7
8	20	21	21	21
16	29	10	26	22
32	51	68	59	59
45	>89	>86	>86	>86

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	.0425	36
60	.052	32.5
50	.066	27
40	.089	22.5
30	.120	18.5

Additional Parameters:

Body weight = 400 g

Functional interaural distance = 225 μs

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

Comments: Threshold values taken from original data. Additional audiograms cited and discussed in Heffner and Heffner, 1991.