

Audiogram of the hamster (*Mesocricetus auritus*)

Data from: Heffner, R.S., Koay, G., and Heffner, H.E. (2001) Audiograms of five species of rodents: Implications for the evolution of hearing and the encoding of pitch. *Hearing Research*, 157, 138-152.

Absolute thresholds (in dB re 20 $\mu\text{N/m}^2$) for four hamsters (designated A through D)

Frequency (in kHz)	Individual Thresholds (in dB)				Average
	A	B	C	D	
.031	88	83.5	84.5	82.5	84.6
.063	67.5	71.5	67	66.5	68.1
.125	56	58	53.5	55	55.6
.250	46.5	48.5	45.5	47	46.9
.500	44	43	41.5	36.5	41.3
1	40.5	32	32	30.5	33.8
2	32	29	33	30.5	31.1
4	17.5	15.5	13	18	16
8	9.5	9.5	9.5	2	7.6
16	23	20	25.5	36.5	26.3
32	21	19	23	25.5	22.1
45	50	65	48.5	55	54.6
50	79	81	78	76	78.5

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	.058	48.5
60	.096	46.5
50	.200	42.5
40	.550	38
30	2.1	35

Additional Parameters:

Body weight = 130 g

Functional interaural distance= 114 μs

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

Comments: Threshold values taken from original data.