

Audiogram of the fox squirrel (*Sciurus niger*)

Data from: Jackson, L., Heffner, H.E., and Heffner, R.S.(1997) Audiogram of the fox squirrel, (*Sciurus niger*). *Journal of Comparative Psychology*, 111, 100-104.

Absolute thresholds (in dB re 20 $\mu\text{N}/\text{m}^2$) for two fox squirrels (designated A and B)

Frequency (in kHz)	Individual Thresholds (in dB)		Average
	A	B	
.063	81	78	79.5
.125	58	56	57
.250	29	32	30.5
.500	11	12.5	12
1	8	9	8.5
2	5	10.5	8
4	13	7	10
8	0	1.5	0.8
16	20	16	18
32	20	14	17
45	52	32	42
50	69	60	64.5
56	—	85	85

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	.084	52
60	.113	49
50	.150	47
40	.195	44
30	.250	38

Additional Parameters:

Body weight = 750 g

Functional interaural distance= 155 μs

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

Comments: Threshold values taken from original data.