

# Audiogram of the squirrel monkey (*Saimiri sciureus*)

**Data from:** Beecher, M. (1974) Pure tone thresholds of the squirrel monkey (*Saimir sciureus*). *Journal of the Acoustical Society of America*, 55, 196-198. (Average of two monkeys)

## Absolute thresholds (in dB re 20 $\mu\text{N}/\text{m}^2$ ) for squirrel monkeys

Frequency (in kHz)	Average Threshold (in dB)
.125	46
.250	32
.500	19
1	9
2	7
4	15
8	1
10	-3
16	15
20	15
32	16
40	27
42.5	54
45	69

## 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	—	45
60	—	43
50	—	42
40	.170	40
30	.280	37

### Additional Parameters:

**Body weight** = 900 g

**Functional interaural distance**= 302  $\mu\text{s}$

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

**Comments:** Threshold values taken from graph in Beecher, 1974. Animals tested with a loudspeaker. For additional audiograms, see:

Green, S. (1975) Auditory sensitivity and equal loudness in the squirrel monkey (*Saimiri sciureus*). *Journal of the Experimental Analysis of Behavior*, 23,255-264. (Used headphones)

Fujita, S., and Elliot, D.N. (1965) Thresholds of audition for three species of monkeys. *Journal of the Acoustical Society of America*, 37, 139-144.