

Audiogram of the owl monkey (*Aotus trivirgatus*)

Data from: Beecher, M.D. (1974) Hearing in the owl monkey (*aotus trivirgatus*). *Journal of Comparative and Physiological Psychology*, 86, 898-901.

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

| Frequency (in kHz) | Individual Thresholds (in dB) | | Average |
|-----------------------|----------------------------------|----|---------|
| | A | B | |
| .125 | 40 | 38 | 39 |
| .250 | 23 | 25 | 24 |
| .500 | 11 | — | 11 |
| 1 | 7 | 7 | 7 |
| 2 | 6 | 4 | 5 |
| 4 | 12 | 12 | 12 |
| 8 | -6 | -8 | -7 |
| 10 | -9 | -7 | -8 |
| 16 | 3 | 7 | 5 |
| 20 | 7 | 7 | 7 |
| 32 | 14 | 17 | 16 |
| 40 | 25 | 28 | 26 |
| 48 | 54 | 54 | 54 |
| 50 | 63 | 67 | 65 |

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 | — | 51* |
| 60 | — | 49.5 |
| 50 | 85* | 47 |
| 40 | 120 | 44 |
| 30 | 205 | 45 |

*Extrapolated value

Additional Parameters:

Body weight = 800 g

Functional interaural distance = 225 μs (estimated)

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

Comments: Threshold values taken from Beecher, 1974.