

Audiogram of the vervet monkey (*Cercopithecus aethiops*)

Data from: Owren, M.J., Hopp, S.L., Sinnott, J.M., and Petersen, M.R. (1988) Absolute auditory thresholds in three old world monkey species (*Cercopithecus aethiops*, *C. neglectus*, *Macaca fuscata*) and humans (*Homo sapiens*). *Journal of Comparative Psychology*, 102, 99-107.

Average absolute thresholds (in dB re 20 $\mu\text{N/m}^2$) for three vervets

Frequency (in kHz)	Average Threshold (in dB)
.063	62
.088	54
.125	42
.176	34
.250	26
.353	16
.500	8
.707	3
1	-2
1.4	-4
2	6
2.8	8
4	3
5.7	-2
8	5
11.3	4
16	12
22.6	16
32	15
34.9	13
38	16
40	22
42	34
43	38
45	60

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	.047	—
60	.069	45
50	.096	44
40	.126	43.5
30	.210	41.5

Additional Parameters:

Body weight = 4.2 kg

Functional interaural distance = (400) μ s

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

Comments: Threshold values taken from table in Owren et al., 1988. Tones presented via headphones.