

# Audiogram of the De Brazza's monkey (*Cercopithecus neglectus*)

**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 five de Brazza monkeys

Frequency (in kHz)	Average Threshold (in dB)
.063	59
.088	55
.125	43
.176	34
.250	27
.353	16
.500	11
.707	7
1	4
1.4	3
2	15
2.8	12
4	9
5.7	2
8	4
11.3	7
16	6
22.6	18
32	22
34.9	24
38	29
40	47
42	57
45	>72

## 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	.056*	43
60	.063	43
50	.100	40
40	.140	39
30	.215	38.1

\*Extrapolated value

**Additional Parameters:**

**Body weight** = 7 kg

**Functional interaural distance**= (420)  $\mu$ 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 were presented via headphones.