

Audiogram of the domestic dog (*Canis familiaris*)

Data from: Heffner, H.E. (1983) Hearing in large and small dogs: Absolute thresholds and size of the tympanic membrane. *Behavioral Neuroscience*, 97, 310-318.

Absolute thresholds (in dB re 20 $\mu\text{N}/\text{m}^2$) for four dogs (designated A through D)

Frequency (in kHz)	Individual Thresholds (in dB)				Average
	A	B	C	D	
.050	—	—	—	72	72
.062	70	59	50	68	62
.125	50	42	35	50	44
.250	39	25	21	26	28
.500	24	24	11	20	20
1	18	21	-3	22	14
2	5	12	0	18	9
4	3	7	-5	9	4
8	-2	0	-5	4	-1
16	3	15	0	4	6
32	10	30	16	17	18
40	—	50	—	32	41
45	55	71	60	57	61
50	>71	—	65	68	70

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	.053	50
60	.067	44
50	.100	41
40	.160	37
30	.227	37

Additional Parameters:

Body weight = 15 kg

Functional interaural distance = 435 μs

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

Comments: Threshold values taken from original data. A: Chihuahua, B: Dachshund, C: Poodle, D: St. Bernard