

# Audiogram of the domestic cat (*Felis catus*)

## Data from:

Heffner, R.S., and Heffner, H.E. (1985) Hearing range of the domestic cat. *Hearing Research*, 19, 85-88. two animals

Neff, W.D., and Hind, J.E. (1955) Auditory thresholds of the cat. *Journal of the Acoustical Society of America*, 27, 480-483. three animals

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

Frequency (in kHz)	Thresholds (in dB)		Average
	Heffner & Heffner	Neff & Hind	
.045	75	—	75
.063	52	48	50
.125	36	32	34
.250	22	10	16
.500	6	6	6
1	3.5	-3	0
2	1	-9	-4
4	1	-13	-6
8	-3	-17	-10
16	-2	-10	-6
25	—	-2	-2
32	3	-4	-0.5
45	—	15	15
60, 64	31	33	32
91	80	—	80

## 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	.048	85
60	.055	79
50	.063	73
40	.096	68
30	.150	60

## Additional Parameters:

**Body weight** = 3500 g

**Functional interaural distance** = 258  $\mu\text{s}$

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

**Comments:** Threshold values taken from original data (Heffner & Heffner), and from published graphs (Neff & Hind).