

Audiogram of the domestic horse (*Equus caballus*)

Data from: Heffner, R., and Heffner, H. (1983) Hearing in large mammals: The horse (*Equus caballus*) and cattle (*Bos taurus*). *Behavioral Neuroscience*, 97, 299-309.

Absolute thresholds (in dB re 20 $\mu\text{N}/\text{m}^2$) for three horses (designated A, B, and C)

Frequency (in kHz)	Individual Thresholds (in dB)			Average
	A	B	C	
.0315	>83	81	78	81
.063	57	54	54	55
.125	44	44	47	45
.250	25	25	30	27
.500	17	13	14	15
1	6	9	11	9
2	14	7	0	7
4	16	19	13	16
8	9	4	21	11
16	17	3	10	10
32	64	22	52	46
35	90	32	90	70
40	—	85	—	—

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	.042	35
60	.055	33.5
50	.100	32.5
40	.175	28.5
30	.235	23.5

Additional Parameters:

Body weight = 315 kg

Functional interaural distance = 684 μs

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

Comments: Threshold values taken from original data.