

# Audiogram of the Mongolian gerbil (*Meriones unguiculatis*)

Data from: Ryan, A. (1976) hearing sensitivity of the Mongolian gerbil, *Meriones unguiculatis*. *Journal of the Acoustical Society of America*, 59, 1222-1226.

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

Frequency (in kHz)	Average Threshold (in dB)
.100	42
.300	30
.500	19
1	6
2	3
4	3
8	5
16	5
32	17
40	22
50	40
60	66

## 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	—	61
60	—	58
50	.070	54
40	.125	50
30	.280	44

### Additional Parameters:

Body weight = 65 g

Functional interaural distance = 87  $\mu\text{s}$

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

Comments: Threshold values taken from Ryan, 1976.