

KEY WORDS DOCUMENTATION

AU	CVENKEL, Miran
TI	TRIAS
PP	Slovenia
KW	trias/animal/body/temperature/heart/pulse/breathe/frequency/rumen/contraction
PB	agrozoo.net
PY	2009
LA	en
AB	List of parameters that defines animal health
TR	
LI	

Trias is a group of three parameters that basically defines animal health. For ruminants there is fourth parameter added – rumen contractions. Below is a list of that parameters for some species of healthy animals.

If not extra referenced the main source of data is reference 1.

Species/ age	Body temperature				Heart pulse per minute	Breathe frequency per minute	Rumen contractions in 5 min.
	from (°C)	to (°C)		from (°F)			
Bison		38,2			100,76		
Buffalo		38,2	(3)		100,76	40-60	(3)
Camel-having watter	36,5	39,5	(3)	97,7	103,1	35-45	(3)
Camel-no watter	34,5	41	(3)	94,1	105,8	35-45	(3)
Cat	38	39,3		100,4	102,74	110 - 130	20-30
Cattle above 1 year	38	39		100,4	102,2	60 - 80	10-30
Cattle up to 1 year	37,5	39		99,5	102,2	80 - 110	10-30
Cattle-calf	38,5	39,5		101,3	103,1	90 - 110	20-50
Chicken		42	(3)		107,6	400 ?	
Dog	37,5	39		99,5	102,2	60 - 80	10-30
Dog – puppy	38,5	39		101,3	102,2	100 - 120	
Dog bigger						75	(2)
Dog middle size						90	(2)
Dog smaller						100	(2)
Donkey	37,5	38,5		99,5	101,3	45 - 50	10-16
Duck	40	43		104	109,4		
Elephant		37	(4)		98,6	15-30	(5)
Field sparrow						400-760	(5)
Foal	37,5	39		99,5	102,2	100	
Giraffe						65	
Goat	38,5	39,5		101,3	103,1	60 - 80	10-30
Goose	40	41		104	105,8		6-16
Guinea pig	38,5	40	(6)	101,3	104	200-300	(5)
Hamster(9)	36,2	37,5	(8)	97,16	99,5	280-412	33-127
Hen	40,5	42		104,9	107,6	120 - 200	12-36
Hinny, mule	38,5	39		101,3	102,2	40 - 50	10-16
Horse above 5 years	37,5	38		99,5	100,4	30 - 40	10-14
Horse up to 5 years	37,5	38,5		99,5	101,3	30 - 40	10-14
Human		37			98,6	60	

Llama, alpaca		38 (3)		100,4			
Mouflon		38		100,4			
Pig above 16 weeks		39		102,2	80		18
Pig up to 8 weeks.		39,4		102,92	120		30
Pig, boar	38	39	100,4	102,2	60 - 80		8-16
Pigeon		41		105,8			
Rabbit	38,5	39,5	101,3	103,1	205		50-60
Sheep	38,5	39	101,3	102,2	60 - 80		10-30 6-16
Whale		35,5 (7)		95,9	20		

References:

1. <http://www.veterina.org/>
2. <http://www.sjsu.edu/faculty/watkins/longevity.htm>
3. <http://www.fao.org/docrep/T0690E/t0690e04.htm#unit%20:%20body%20temperature>
4. <http://www.pnas.org/content/22/6/405.full.pdf>
5. <http://www.economy-point.org/h/heart-frequency.html>
6. http://en.wikipedia.org/wiki/Guinea_pig
7. <http://www.aquaticape.org/bodytemp.html>
8. <http://www.circadian.org/animal.html>
9. <http://netvet.wustl.edu/species/hamsters/hamstbio.txt>