

Itálie - zoo zvířata, 2013 - 2014 (toxo, neo, encefalitozoon)

No. - CR	Date	Family	Binomial name	Common name	Toxo IFAT (50 je pozitivní)/E LISA	Neo IFAT (50 je pozitivní)	Encephalitozoon cuniculi IFAT (50 je pozitivní)	Sex /pohlaví	Age/věk	Born - in captivity (CB) /captured in nature (WC), state	circus, zoo
1.	12/10/2013	Camelidae	<i>Camelus bactrianus</i>	camel	neg	neg	neg	female	2 years	CB,Italy,2011	zoo
2.	12/10/2013	Camelidae	<i>Camelus bactrianus</i>	camel	neg	neg	50	female	2 years	CB,Italy,2011	zoo
3.	12/10/2013	Camelidae	<i>Lama glama</i>	llama	neg	neg	neg	female	1 year	CB,Italy,2012	zoo
4.	12/10/2013	Cervidae	<i>Rangifer tarandus</i>	reindeer	800	50	neg	male	3 years	CB,Spain,2011	zoo
5.	12/10/2013	Cervidae	<i>Rangifer tarandus</i>	reindeer	100	neg	neg	male	3 years	CB,Spain,2011	zoo
6.	5/16/2014	Camelidae	<i>Camelus bactrianus</i>	camel	neg	neg	50	male	1 year	2013	circus
7.	5/16/2014	Camelidae	<i>Camelus bactrianus</i>	camel	neg	neg	1600	male	3 years	CB,Italy,2011	circus
8.	5/22/2014	Camelidae	<i>Lama glama</i>	llama	pozit	neg	neg	male	4 years	CB,Italy,2010	circus
9.	5/22/2014	Camelidae	<i>Lama glama</i>	llama	neg	neg	50	male	7 years	CB,Italy,2007	circus
10.	5/22/2014	Camelidae	<i>Camelus bactrianus</i>	camel	50	neg	neg	female	8 years	Italy,2006	circus
11.	5/28/2014	Camelidae	<i>Camelus bactrianus</i>	camel	neg	neg	50	female	8 - 9 years	CB,Italy,2006	circus

12.	5/28/2014	Camelidae	<i>Camelus dromedarius</i>	dromedary	pozit	neg	neg	male	2 years	CB,Italy,2012	circus
13.	5/28/2014	Bovidae	<i>Bos taurus</i>	Ankole - Watusi	neg	neg	neg	female	2 years	France,2012	circus
14.	5/28/2014	Bovidae	<i>Bos taurus</i>	Ankole - Watusi	100	neg	neg	female	6 years	Italy,2008	circus
15.	5/28/2014	Camelidae	<i>Camelus dromedarius</i>	dromedary	pozit	neg	neg	male	3 years	CB,Italy,2011	circus
16.	5/28/2014	Camelidae	<i>Camelus dromedarius</i>	dromedary	neg	neg	neg	male	8 years	CB,Italy,2006	circus
17.	6/2/2014	Camelidae	<i>Camelus dromedarius</i>	dromedary	neg	neg	50	male	2 years	CB,Italy,2011	circus
18.	6/2/2014	Camelidae	<i>Camelus dromedarius</i>	dromedary	neg	neg	50	female	5 years	Spain,2009	circus
19.	7/10/2014	Camelidae	<i>Lama glama</i>	llama	neg	neg	50	male	3 years	CB,Italy,2011	zoo
20.	7/10/2014	Camelidae	<i>Camelus bactrianus</i>	camel	neg	neg	50	male	8 years	CB,Italy,2006	zoo
21.	7/10/2014	Camelidae	<i>Camelus bactrianus</i>	camel	50	neg	neg	female	3 years	CB,Spain,2012	zoo
22.	7/10/2014	Camelidae	<i>Camelus bactrianus</i>	camel	neg	neg	1600	male	3 years	CB,Spain,2013	zoo

23.	8/5/2014	Bovidae	<i>Bos grunniensis</i>	yak	neg	neg	neg	female	20 years	CB	zoo
24.	8/5/2014	Bovidae	<i>Bos grunniensis</i>	yak	neg	neg	neg	male	20 years	CB	zoo
25.	8/5/2014	Bovidae	<i>Bos grunniensis</i>	yak	neg	neg	neg	male	20 years	CB	zoo
26.	1/15/2014	Camelidae	<i>Vicunia pacos</i>	alpaca	neg	neg	50	male	4 years	CB, Holland	zoo
27.	1/15/2014	Camelidae	<i>Vicunia pacos</i>	alpaca	50	neg	50	female	4 years	CB, Holland	zoo
28.	1/25/2014	Camelidae	<i>Vicunia pacos</i>	alpaca	neg	neg	50	male	10 years	CB	zoo
29.	1/25/2014	Camelidae	<i>Vicunia pacos</i>	alpaca	50	neg	neg	female	12 years	CB	zoo
30.	11/2/2014	Bovidae	<i>Ammostragus lervia</i>	ammostragus (Barbary sheep)	neg	neg	neg	female	5 years	CB	zoo
31.	11/2/2014	Bovidae	<i>Ammostragus lervia</i>	ammostragus (Barbary sheep)	200	neg	neg	female	5/6 years	CB	zoo
32.	11/2/2014	Bovidae	<i>Ammostragus lervia</i>	ammostragus (Barbary sheep)	neg	neg	neg	male	5/6 years	CB	zoo
33.	11/2/2014	Bovidae	<i>Ammostragus lervia</i>	ammostragus (Barbary sheep)	neg	neg	neg	male	15 years	CB	zoo
34.	7/10/2014	Bovidae	<i>Bos taurus</i>	Ankole - Watusi	neg	50	neg	female	5/7 years	CB, Italy	circus

35.	7/10/2014	Camelidae	<i>Lama glama</i>	llama	neg	neg	50	male	6 years	CB	circus
36.	2/10/2014	Equidae	<i>Equus quagga</i>	zebra	neg	neg	neg	male	3 years	CB,Spain,2012	circus
37.	2/10/2014	Equidae	<i>Equus quagga</i>	zebra	neg	neg	neg	male	4 years	CB,Spain,2013	circus
38.	2/10/2014	Equidae	<i>Equus quagga</i>	zebra	neg	neg	neg	male	4 years	CB,Spain,2013	circus
39.	2/10/2014	Equidae	<i>Equus quagga</i>	zebra	neg	neg	neg	male	3 years	CB,Spain,2013	circus
40.	7/10/2014	Equidae	<i>Equus quagga</i>	zebra	neg	50	neg	male	6 years	CB,Spain,2011	circus
41.	9/20/2014	Equidae	<i>Equus quagga</i>	Grant's zebra	neg	neg	neg	female	7 years	CB	zoo
42.	10/1/2014	Equidae	<i>Equus quagga</i>	zebra	neg	neg	neg	female	3 years	CB,Italy	circus
43.	10/1/2014	Equidae	<i>Equus quagga</i>	zebra	neg	neg	neg	female	3 years	CB	circus
44.	1/25/2014	Felidae	<i>Panthera tigris</i>	tiger	800	neg	neg	male	4 years	CB,Italy	circus
45.	2/13/2014	Felidae	<i>Panthera tigris</i>	tiger	strong pozit	neg	neg	male	10 years	CB,Hungary,2006	circus
46.	2/14/2014	Felidae	<i>Panthera leo</i>	lion	400	neg	neg	male	4 years	CB,Spain,2011	circus
47.	3/3/2014	Felidae	<i>Panthera leo</i>	lion	pozit	50	neg	female	1 year	CB,Italy,2013	circus
48.	3/1/2014	Felidae	<i>Panthera tigris</i>	tiger	pozit	50	neg	female	2 years	CB,Spain,2012	circus
49.	3/21/2014	Felidae	<i>Panthera tigris</i>	tiger	200	neg	neg	female	3 years	CB,France,2011	circus
50.	3/29/2014	Felidae	<i>Panthera leo</i>	lion	100	neg	neg	male	6 years	CB,Italy,2010	circus

51.	3/29/2014	Felidae	<i>Panthera leo</i>	lion	neg	neg	neg	male	5 years	CB,Italy,2011	circus
52.	4/2/2014	Felidae	<i>Panthera tigris</i>	tiger	1600	1600	neg	male	1 year	CB,Italy,2013	circus
53.	4/3/2014	Felidae	<i>Panthera leo</i>	lion	800	800	neg	male, castrate d	10 years	CB,Italy,2004	circus
54.	4/3/2014	Felidae	<i>Panthera tigris</i>	tiger	200	neg	neg	female	5 years	CB,Spain,2009	circus
55.	4/3/2014	Felidae	<i>Panthera tigris</i>	tiger	400	neg	neg	male, castrate d	7 years	CB,Italy,2007	circus
56.	4/3/2014	Felidae	<i>Panthera leo</i>	lion	NT	NT	NT	male	8 years	CB,Italy,2006	circus
57.	5/2/2014	Felidae	<i>Panthera leo</i>	lion	100	neg	neg	male	5 years	CB,Spain,2009	circus
58.	5/2/2014	Felidae	<i>Panthera leo</i>	lion	strong pozit	neg	neg	male	7 years	CB,Spain,2007	circus
59.	5/16/2014	Felidae	<i>Panthera tigris</i>	tiger	200	neg	neg	male	12 years	Italy,2002	circus
60.	5/16/2014	Felidae	<i>Panthera leo</i>	lion	800	neg	neg	male	7 years	Spain,2007	circus
61.	6/2/2014	Felidae	<i>Panthera leo</i>	lion	400	neg	neg	male	7 years	CB,Italy,2007	circus
62.	6/2/2014	Felidae	<i>Panthera leo</i>	lion	3200	neg	neg	male	5 years	Spain,2009	circus
63.	6/2/2014	Felidae	<i>Panthera leo</i>	lion	100	neg	neg	female	6 years	Spain,2008	circus
64.	6/10/2014	Felidae	<i>Panthera tigris</i>	tiger	NT	NT	NT	female	18 years	CB,Italy,1996	zoo
65.	9/1/2014	Felidae	<i>Panthera leo</i>	lion	800	50	neg	male	18 years	CB,Italy,1996	zoo

66.	9/20/2014	Felidae	<i>Panthera leo</i>	lion	1600	neg	neg	male	9 years	WC,Italy	circus
67.	9/20/2014	Felidae	<i>Panthera leo</i>	lion	800	50	neg	male	20 years	CB,Spain	circus
68.	5/22/2014	Elephantidae	<i>Elephas maximus</i>	elephant	129.50%	neg	NT	female	40 years	1974	circus
69.	7/10/2014	Elephantidae	<i>Elephas maximus</i>	elephant	189.80%	neg	NT	female	32 years	CB	zoo
70.	8/6/2014	Elephantidae	<i>Elephas maximus</i>	Indian elephant	132.20%	neg	NT	female	56 years	CB, 1958	zoo
71.	7/10/2014	Elephantidae	<i>Elephas maximus</i>	elephant	152.10%	neg	NT	female	57 years	CB	circus
72.	6/3/2014	Hominidae	<i>Pan troglodytes</i>	chimpanzee	neg	neg	neg	female	30 years	CB,Romania,1984	zoo
73.	6/3/2014	Hominidae	<i>Pan troglodytes</i>	chimpanzee	400	neg	neg	female	25 years	CB,Romania,1989	zoo
74.	6/3/2014	Hominidae	<i>Pan troglodytes</i>	chimpanzee	50	neg	neg	male	30 years	CB,Romania,1984	zoo
75.	6/3/2014	Hominidae	<i>Pan troglodytes</i>	chimpanzee	neg	neg	neg	female	18 years	CB,Romania,1996	zoo
76.	6/20/2014	Macropodidae	<i>Macropus rufogriseus</i>	Bennett's wallaby	neg	neg	NT	male	5 months	CB,Italy,2014	zoo

Housing/us tájení	Contact with cats	Contact with dogs
group, paddock	yes	no
group, paddock	no	no
group, paddock	no	no
group, paddock	no	no
group, paddock	no	no
cage	yes	no
cage	yes	yes
paddock	yes	yes
	yes	yes
cage	yes	yes
paddock	yes	yes

cage	yes	yes
cage	yes	yes
cage	yes	yes
cage	yes	yes
cage	yes	yes
cage	yes	yes
couple,pad dock	yes	yes
cage	yes	yes
group, paddock	yes	yes
group, paddock	yes	yes
group, paddock	yes	yes
group, paddock	yes	yes

group, paddock	yes	no
group, paddock	yes	no
group, paddock	yes	no
couple,pad dock	yes	no
couple,pad dock	no	no
couple,relat ive freedom	no	no
couple,relat ive freedom	no	no
group, cage	yes	no
group, cage	yes	no
cage	yes	no
alone,cage	yes	no
?	yes	no

alone,paddock	yes	no
group,paddock	yes	yes
group,paddock	yes	yes
group,paddock	yes	yes
group,paddock	yes	yes
group,paddock	yes	yes
?	yes	no
	yes	yes
?	yes	no
	yes	yes
group, cage	yes	yes
group, cage	yes	yes
group, cage	yes	no
group, cage	yes	no
group, cage	yes	yes
group, cage	yes	yes

group	yes	yes
group, cage	yes	yes
group, cage	yes	yes
group, cage	yes	yes
group, cage	yes	yes
group, cage	yes	yes
group, cage	yes	yes
group, cage	yes	yes
group, cage	yes	yes
cage	no	no
cage	yes	yes
cage	yes	yes
cage	yes	yes
cage	yes	yes
cage	no	no
group,	no	no

group, cage	no	no
group, cage	no	no
cage	yes	yes
group	yes	yes
alone,paddock	yes	no
alone,paddock	no	no
group, cage	no	no
group	no	no
?	no	no
?	no	no
couple	yes	no

Characteristic	Animals tested	IFAT		IFAT positive (%)	
		positive (%)	Animals tested		
		<i>T. gondii</i>		<i>N. caninum</i>	<i>E. cuniculi</i>
Family					
Bovidae	10	2 (20%)	10	1 (10%)	0 (0%)
Camelidae	23	7 (30%)	23	0 (0%)	14 (61%)
Cervidae	2	2	2	1	0
Elephantidae	4	4	0	NT	NT
Equidae	8	0	8	1 (13%)	0
Felidae	22	21 (95%)	22	6 (27%)	0 (0%)
Hominidae	4	2	4	0	0
Macropodidae	1	0	0	NT	NT
Gender					
Male	44	22 (50%)	40	6 (15%)	10 (25%)
Female	30	16 (53%)	29	3 (10%)	4 (14%)
Age (years)					
0 - 1	5	2 (40%)	4	2	1
≥ 2 - 5	31	14 (45%)	31	2 (6%)	8 (26%)
≥ 6 - 9	19	10 (53%)	19	2 (11%)	4 (21%)
≥ 10 - 14	5	4 (80%)	5	1 (20%)	1 (20%)
≥ 15	14	8 (57%)	10	2 (20%)	0 (0%)
Country of birth					
France	2	1	2	0	0
Holand	2	1	2	0	2
Hungary	1	1	1	0	0
Italy	29	15 (52%)	28	5 (18%)	7 (25%)
Romania	4	2	4	0	0
Spain	19	12 (63%)	19	4 (21%)	2 (11%)
Not known	17	6 (35%)	13	0	3 (23%)
Origin					
Zoo	29	11 (38%)	26	2 (8%)	7 (27%)
Circus	45	27 (60%)	43	7 (16%)	7 (16%)
Housing					
Alone	4	2	2	0	1
Couple	6	2 (33%)	5	0 (0%)	4 (80%)
Group	38	21 (55%)	37	8 (22%)	4 (11%)
Not known	26	13 (50%)	25	1 (4%)	5 (20%)
Contact with cats					
Yes	57	27 (47%)	53	6 (11%)	11 (21%)
No	17	11 (65%)	16	3 (19%)	3 (19%)
Contact with dogs					
Yes	41	23 (56%)	39	3 (8%)	9 (23%)
No	33	15 (45%)	30	6 (20%)	5 (17%)
Total	74	38 (51%)	69	9 (13%)	14 (20%)

Order and family	Species	No. of animal	<i>T. gondii</i>		<i>N. can</i>
			Positive (%)	Titres	Positive (%)
Bovidae	Barbary sheep (<i>Ammotragus lervia</i>)	4	1	200	0
	Domestic yak (<i>B. mutus f. grunniens</i>)	3	0	–	0
	Watussi (<i>B. primigenius f. taurus</i>)	3	1	100	1
Camelidae	Alpaca (<i>Lama guanicoe f. pacos</i>)	4	2	50	0
	Bactrian camel (<i>Camelus bactrianus</i>)	9	2 (22%)	50	0 (0%)
	Dromedary camel (<i>Camelus dromedarius</i>)	5	2 (40%)	50	0 (0%)
	Llama (<i>Lama guanicoe f. glama</i>)	5	1 (20%)	50	0 (0%)
Cervidae	Reindeer (<i>Rangifer tarandus</i>)	2	2	100, 800	1
Elephantidae	Asian elephant (<i>Elephas maximus</i>)	4	4*	130–190	NT
Equidae	Grant's zebra (<i>Equus guagga boehmi</i>)	8	0 (0%)	–	1
Felidae	African lion (<i>Panthera leo</i>)	14	13 (93%)	100–3200	4
	Bengal tiger (<i>P. tigris bengalensis</i>)	8	8 (100%)	200–1600	2
Hominidae	Common chimpanzee (<i>Pan troglodytes</i>)	4	2	50, 400	0
Macropodidae	Bennet's wallaby (<i>Macropus rufogriseus frutica</i>)	1	0*	–	NT
Total	14 species	74	38/74 (51%)		9/69 (

<i>innum</i>	<i>E. cuniculi</i>	
Titres	Positive (%)	Titres
–	0	–
–	0	–
50	0	–
–	3	50
–	6 (67%)	50–1600
–	2 (40%)	50
–	3 (60%)	50
50	0	–
	NT	
50	0 (0%)	–
50–800	0 (0%)	–
50–1600	0 (0%)	–
–	0	–
	NT	
13%)	14/69 (20%)	