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**WORKING PARTY FOR THE PREPARATION OF THE FOURTH  
MULTILATERAL CONSULTATION OF PARTIES TO THE EUROPEAN CONVENTION  
FOR THE PROTECTION OF VERTEBRATE ANIMALS USED FOR EXPERIMENTAL  
AND OTHER SCIENTIFIC PUPOSES  
(ETS 123)**

**Statistical data on the use of laboratory animals  
in Finland in 2004**

**TABLE 1: NUMBER OF ANIMALS USED IN RELATION TO THEIR PLACE OF ORIGIN (Finland 2004)**  
**Origin versus species**

1.1 Species	1.2 Total	1.3 Animals coming from registered breeding or supplying establishments within the reporting country	1.4 Animals coming from elsewhere in the EC	1.5 Animals coming from Member Countries of the Council of Europe which are parties to the Convention ETS 123 (excluding EC Member States)	1.6 Animals coming from other origins	1.7 Re-used animals
1.a. Mice ( <i>Mus musculus</i> )	116578	85896	30139		461	
1.b. Rats ( <i>Rattus norvegicus</i> )	31848	13540	16769		1539	
1.c. Guinea-Pigs ( <i>Cavia porcellus</i> )	671	24	647			
1.d. Hamsters ( <i>Mesocricetus</i> )	223		223			
1.e. Other Rodents (other Rodentia)	4436					
1.f. Rabbits ( <i>Oryctolagus cuniculus</i> )	1111	785	326			8
1.g. Cats ( <i>Felis catus</i> )	0					
1.h. Dogs ( <i>Canis familiaris</i> )	74	22	46	6		
1.i. Ferrets ( <i>Mustela putorius furo</i> )	60	60				
1.j. Other Carnivores (other Carnivora)	1824					
1.k. Horses, donkeys and cross breeds ( <i>Equidae</i> )	89					
1.l. Pigs ( <i>Sus</i> )	1353					
1.m. Goats ( <i>Capra</i> )	7					
1.n. Sheep ( <i>Ovis</i> )	439					
1.o. Cattle ( <i>Bos</i> )	285					
1.p. Prosimians ( <i>Prosimia</i> )	0					
1.q. New World Monkeys ( <i>Ceboidea</i> )	0					
1.r. Old World Monkeys ( <i>Cercopithecoidea</i> )	0					
1.s. Apes ( <i>Hominoidea</i> )	0					
1.t. Other Mammals (other <i>Mammalia</i> )	877					
1.u. Quail ( <i>Coturnix coturnix</i> )	23	23				
1.v. Other birds (other <i>Aves</i> )	3810					
1.w. Reptiles ( <i>Reptilia</i> )	509					
1.x. Amphibians ( <i>Amphibia</i> )	108					
1.y. Fish ( <i>Pisces</i> )	77817					
1.z. TOTAL	242142	100350	48150	6	2000	8

Note 1 : Column 1.5 concerns only those Member Countries of the Council of Europe which, at the beginning of the reporting period, are Parties to the Convention ETS 123. Thus an updated list of those countries has to be used when filling this column

Note 2: Only the white boxes need to be completed

Note 3: The number of re-used animals in column 1.7 should be excluded from the total in the column 1.2.

**TABLE 2: NUMBER OF ANIMALS USED IN EXPERIMENTS FOR SELECTED PURPOSES (Finland 2004) - Purpose versus species**

2.1 Species	2.2 Biological studies of a fundamental nature	2.3 Research and development of products and devices for human medicine and dentistry and for veterinary medicine(excluding toxicological and other safety evaluations counted in column 2.6)	2.4 Production and quality control of products and devices for human medicine and dentistry	2.5 Production and quality control of products and devices for veterinary medicine	2.6 Toxicological and other safety evaluations (including safety evaluation of products and devices for human medicine and dentistry and for veterinary medicine	2.7 Diagnosis of disease	2.8 Education and training	2.9 Other	2.10 Total
2.a. Mice	105031	9397	357	135	282	78	1132	166	116578
2.b. Rats	16032	13414	199		717	12	1404	70	31848
2.c. Guinea-Pigs	14	294	21				238	104	671
2.d. Hamsters	190	33							223
2.e. Other Rodents	4436	542							4978
2.f. Rabbits	198	240	44		18	57	12		569
2.g. Cats									0
2.h. Dogs	28	13			33				74
2.i. Ferrets	60								60
2.j. Other Carnivores	1824								1824
2.k. Horses, don-keys and cross breeds	89								89
2.l. Pigs	939	158	171			3	41	41	1353
2.m. Goats		7							7
2.n. Sheep	6	47	382					4	439
2.o. Cattle	284							1	285
2.p. Prosimians									0
2.q. New World Monkeys									0
2.r. Old World Monkeys									0
2.s. Apes									0
2.t. Other Mammals	864					12		1	877
2.u. Quail							23		23
2.v. Other birds	3796						14		3810
2.w. Reptiles	509								509
2.x. Amphibians	78						30		108
2.y. Fish	72059	180				660	478	4440	77817
2.z. TOTAL	206437	24325	1174	135	1050	822	3372	4827	242142

**TABLE 3: NUMBER OF ANIMALS USED IN TOXICOLOGICAL AND OTHER SAFETY EVALUATION  
Products versus species (Finland 2004)**

3.1 Species	3.2 Products/ substances or devices for humanmedicine and dentistry and for veterinary medicine	3.3 Products/ substances used or intended to be used mainly in agriculture	3.4 Products/ substances used or intended to be used mainly in industry	3.5 Products/ substances used or intended to be used mainly in the household	3.6 Products/ substances used or intended to be used mainly as cosmetics or toiletries	3.7 Products/ substances used or intended to be used mainly as additives in food for human consumption	3.8 Products/ substances used or intended to be used mainly as additives in food for animal consumption	3.9 Potential or actual contaminants in the general environment which do not appear in other columns	3.10 Other toxicological or safety evaluations	3.11 Total
3.a. Mice	171		79						32	282
3.b. Rats	133					110			474	717
3.c. Guinea-Pigs										0
3.d. Hamsters										0
3.e. Other Rodents										0
3.f. Rabbits	18									18
3.g. Cats										0
3.h. Dogs	33									33
3.i. Ferrets										0
3.j. Other Carnivores										0
3.k. Horses, donkeys and cross breeds										0
3.l. Pigs										0
3.m. Goats										0
3.n. Sheep										0
3.o. Cattle										0
3.p. Prosimians										0
3.q. New World Monkeys										0
3.r. Old World Monkeys										0
3.s. Apes										0
3.t. Other Mammals										0
3.u. Quail										0
3.v. Other birds										0
3.w. Reptiles										0
3.x. Amphibians										0
3.y. Fish										0
3.z. TOTAL	355	0	79	0	0	110	0	0	506	1050

**TABLE 4: NUMBER OF ANIMALS USED IN EXPERIMENTS FOR STUDIES ON HUMAN AND ANIMAL DISEASES (Finland 2004)**

**Main categories versus species**

4.1 Species	4.2 Human cardiovascular diseases	4.3 Human nervous and mental disorders	4.4 Human cancer (excluding evaluations of carcinogenic hazards or risks)	4.5 Other human diseases	4.6 Studies specific to animal diseases	4.7 Total
4.a. Mice	1757	6743	9513	14583	74	32670
4.b. Rats	3113	9385	1808	2501	32	16839
4.c. Guinea-Pigs	50			15		65
4.d. Hamsters				149		149
4.e. Other Rodents						0
4.f. Rabbits	552			241		793
4.g. Cats						0
4.h. Dogs	13					13
4.i. Ferrets						0
4.j. Other Carnivores						0
4.k. Horses, donkeys and cross breeds						0
4.l. Pigs	273	3				276
4.m. Goats						0
4.n. Sheep						0
4.o. Cattle						0
4.p. Prosimians						0
4.q. New World Monkeys						0
4.r. Old World Monkeys						0
4.s. Apes						0
4.t. Other Mammals						0
4.u. Quail						0
4.v. Other birds						0
4.w. Reptiles						0
4.x. Amphibians						0
4.y. Fish					546	546
4.z. TOTAL	5758	16131	11321	17489	652	51351

**TABLE 5: NUMBER OF ANIMALS USED IN PRODUCTION AND QUALITY CONTROL OF PRODUCTS AND DEVICES FOR HUMAN MEDICINE AND DENTISTRY AND FOR VETERINARY MEDICINE (Finland 2004)**

**Regulatory requirements versus species**

5.1 Species	5.2 National legislation specific to a single EC Member State <sup>1</sup>	5.3 EC legislation including European Pharmacopoeia (requirements)	5.4 Member Country of Council of Europe (but not EC) legislation <sup>2</sup>	5.5 Other legislation	5.6 Any combination of 5.2/ 5.3/ 5.4/ 5.5	5.7 No regulatory requirements	5.8 Total	
5.a. Mice			15	95		352	30	492
5.b. Rats						189	10	199
5.c. Guinea-Pigs						21		21
5.d. Hamsters								0
5.e. Other Rodents								0
5.f. Rabbits			8			33	3	44
5.g. Cats								0
5.h. Dogs								0
5.i. Ferrets								0
5.j. Other Carnivores								0
5.k. Horses, donkeys and cross breeds								0
5.l. Pigs						171		171
5.m. Goats								0
5.n. Sheep						382		382
5.o. Cattle								0
5.p. Prosimians								0
5.q. New World Monkeys								0
5.r. Old World Monkeys								0
5.s. Apes								0
5.t. Other Mammals								0
5.u. Quail								0
5.v. Other birds								0
5.w. Reptiles								0
5.x. Amphibians								0
5.y. Fish								0
5.z. TOTAL	0	0	23	95	0	1148	43	1309

Examples:

- 5.2 - France is testing due to a UK (or FR) specific requirement
- 5.3 - UK is testing according to EC legislation
- 5.4 - Spain is testing due to a Hungarian requirement

Note:

columns 5.2 - 5.5 refer to the legislation imposing that the test be carried out and not to the body which has issued the actual test method, guideline or protocol

5.5 - Sweden is testing due to a US specific requirement  
5.6 - Germany is testing due to a Czech requirement (also an EC requirement)

Example :

a test required by French legislation and carried out in Belgium according to an ISO protocol must be coded as a national (FR) legislative requirement and be entered into column 5.2 in the tables submitted by Belgium.

Footnotes:

1) EC Member States: Austria, Belgium, Denmark, Finland, France, Germany, Greece, Ireland, Italy, Luxembourg, Netherlands, Portugal, Spain, Sweden, United Kingdom

2) Member Countries of Council of Europe (non-EC): Albania, Andorra, Bulgaria, Croatia, Cyprus, Czech Rep., Estonia, Hungary, Iceland, Latvia, Liechtenstein, Lithuania, Malta, Moldova, Norway, Poland, Romania, Russia, San Marino, Slovakia, Slovenia, Switzerland, 'the former Yugoslav Rep. of Macedonia', Turkey, Ukraine

**TABLE 6: NUMBER OF ANIMALS USED IN TOXICOLOGICAL AND OTHER SAFETY EVALUATIONS (Finland 2004)**  
**Regulatory requirements versus species**

6.1 Species	6.2 National legislation specific to a single EC Member State1)	6.3 EC legislation including European Pharmacopoeia (requirements)	6.4 Member Country of Council of Europe (but not EC) legislation2)	6.5 Other legislation	6.6 Any combination of 5.2/ 5.3/ 5.4/ 5.5	6.7 No regulatory requirements	6.8 Total
6.a. Mice	8	20	151			103	282
6.b. Rats		130	71		516		717
6.c. Guinea-Pigs							0
6.d. Hamsters							0
6.e. Other Rodents							0
6.f. Rabbits			12			6	18
6.g. Cats							0
6.h. Dogs			33				33
6.i. Ferrets							0
6.j. Other Carnivores							0
6.k. Horses, donkeys and cross breeds							0
6.l. Pigs							0
6.m. Goats							0
6.n. Sheep							0
6.o. Cattle							0
6.p. Prosimians							0
6.q. New World Monkeys							0
6.r. Old World Monkeys							0
6.s. Apes							0
6.t. Other Mammals							0
6.u. Quail							0
6.v. Other birds							0
6.w. Reptiles							0
6.x. Amphibians							0
6.y. Fish							0
6.z. TOTAL	8	150	267	0	516	109	1050

Examples:

6.2 - France is testing due to a UK (or FR) specific requirement

6.3 - UK is testing according to EC legislation

6.4 - Spain is testing due to a Hungarian requirement

Note:

columns 6.2 - 6.5 refer to the legislation imposing that the test be carried out and not to the body which has issued the actual test method, guideline or protocol



6.5 - Sweden is testing due to a US specific requirement

6.6 Germany is testing due to a Czech requirement (also an EC requirement)

Example:

a test required by French legislation and carried out in Belgium according to an ISO protocol must be coded as a national (FR) legislative requirement and be entered into column 5.2 in the tables submitted by Belgium.

Footnotes:

1) EC Member States: Austria, Belgium, Denmark, Finland, France, Germany, Greece, Ireland, Italy, Luxembourg, Netherlands, Portugal, Spain, Sweden, United Kingdom

2) Member Countries of Council of Europe (non-EC): Albania, Andorra, Bulgaria, Croatia, Cyprus, Czech Rep., Estonia, Hungary, Iceland, Latvia, Liechtenstein, Lithuania, Malta, Moldova, Norway, Poland, Romania, Russia, San Marino, Slovakia, Slovenia, Switzerland, 'the former Yugoslav Rep. of Macedonia', Turkey, Ukraine

**TABLE 7: NUMBER OF ANIMALS USED IN TOXICOLOGICAL AND OTHER SAFETY EVALUATIONS (Finland 2004)**

**Types of tests versus species**

7.1. Species	7.2 Acute and sub-acute toxicity testing methods (including limit test)			7.3 Skin irritation	7.4 Skin sensitisation	7.5 Eye irritation	7.6 Sub-chronic and chronic toxicity	7.7 Carcinogenicity	7.8 Developmental toxicity	7.9 Mutagenicity	7.10 Reproductive toxicity	7.11 Toxicity to aquatic vertebrates not included in other columns	7.12 Other	7.13 Total
	7.2.1. LD50, LC50	7.2.2 Other lethal methods	7.2.3 Non lethal clinical signs methods											
7.a. Mice		151	20							79			32	282
7.b. Rats		67	273				321		31				25	717
7.c. Guinea-Pigs														0
7.d. Hamsters														0
7.e. Other Rodents														0
7.f. Rabbits			12			6								18
7.g. Cats														0
7.h. Dogs			9				24							33
7.i. Ferrets														0
7.j. Other Carnivores														0
7.k. Horses, donkeys and cross breeds														0
7.l. Pigs														0
7.m. Goats														0
7.n. Sheep														0
7.o. Cattle														0
7.p. Prosimians														0
7.q. New World Monkeys														0
7.r. Old World Monkeys														0
7.s. Apes														0
7.t. Other Mammals														0
7.u. Quail														0
7.v. Other birds														0
7.w. Reptiles														0
7.x. Amphibians														0
7.y. Fish														0
7.z. TOTAL	0	218	314	0	0	6	345	0	31	79	0	0	57	1050

**TABLE 8: NUMBER OF ANIMALS USED IN TOXICOLOGICAL AND OTHER SAFETY EVALUATIONS (Finland 2004)**

**Types of tests versus products**

8.1. Products	8.2 Acute and sub-acute toxicity testing methods (including limit test)	8.2.1 LD50 LC50	8.2.2 Other lethal methods	8.2.3 Non lethal clinical signs methods	8.3 Skin irritation	8.4 Skin sensitisation	8.5 Eye irritation	8.6 Sub-chronic and chronic toxicity	8.7 Carcinogenicity	8.8 Developmental toxicity	8.9 Mutagenicity	8.10 Reproductive toxicity	8.11 Toxicity to aquatic vertebrates not included in other columns	8.12 Other	8.13 Total
8.a. Products/ substances or devices for human medicine and dentistry and for veterinary medicine	67		394		61		6	245		31				33	837
8.b. Products/ substances used or intended to be used mainly in agriculture															0
8.c. Products/ substances used or intended to be used mainly in industry											79				79
8.d. Products/ substances used or intended to be used mainly in the household															0
8.e. Products/ substances used or intended to be used mainly as cosmetics or toiletries															0
8.f. Products/ substances used or intended to be used mainly as additives in food for human consumption			10					100							110
8.g. Products/ substances used or intended to be used mainly as additives in food for animal consumption															0
8.h. Potential or actual contaminants in the general environment which do not appear in other columns														24	24
8.i. Other toxicological or safety evaluations															0
8.j. TOTAL	0	67	404	61	0	6	345	0	31	79	0	0	57	1050	