Data inclusion criteria	
Report year: 2016	
Country: Denmark	
EU Submission: ALL	
Genetic status: ALL	
Animal Species: ALL	
Species grouping Level 1: ALL	
Species grouping Level 2: ALL	
Mammals: ALL	
Non-human primates: ALL	
Submission Id: ALL	
Id 1: ALL	
Id 2: ALL	
Id 3: ALL	

Narrative

This report shows the number of uses of animals by each species and the purposes for which they were used. A number of purposes are also sub-divided to give more detail. Please see a listing and details of all categories of purposes in the Commission Implementing Decision 2012/707/EU http://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX:02012D0707-20140115 It shows both the first and all the subsequent uses of the animals completed in the reporting period (unless either option is specifically excluded in the data filtering criteria when selecting the report).

The Data Provider reports allow the creation of standard (public) reports

•before the reports are available for the general public (i.e. non-published data), and

•including information on non-EU submissions (as a default) i.e. Member State specific national data e.g. on animals killed for tissue/organs – unless specifically excluded in the data filtering criteria when selecting the report.

Data filtering criteria has been complemented with an option to filter data into the report also at the level of species groupings.

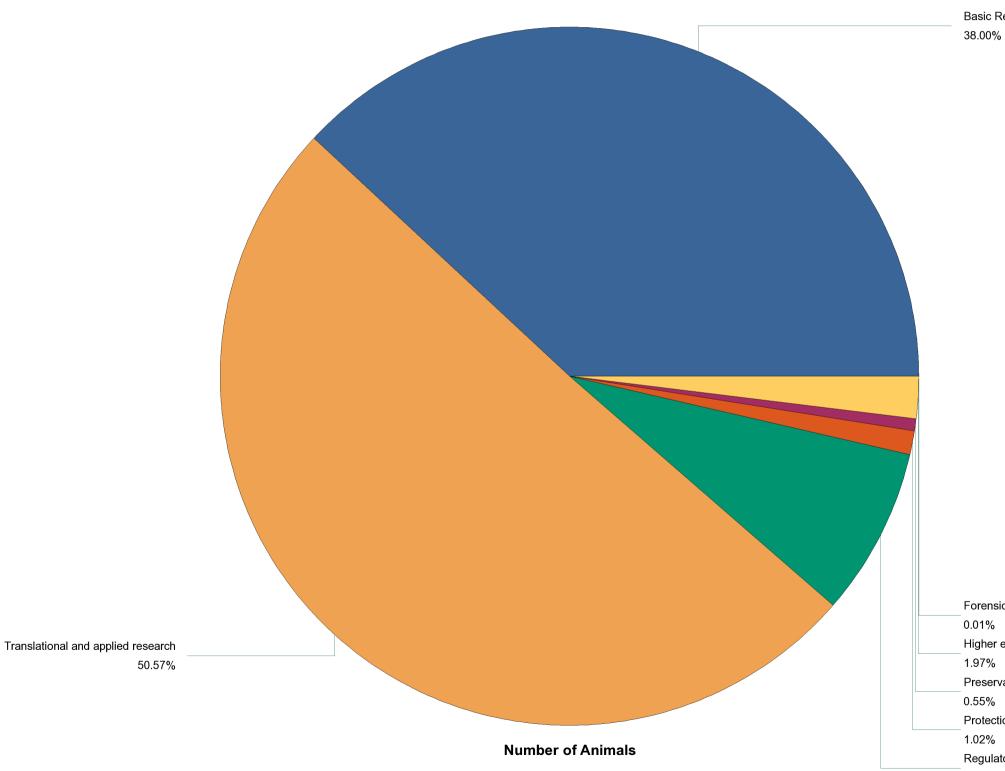
It should be remembered that by including one data filtering criterion, all others from that selection type are by default excluded. For example: if selecting "mouse" as the animal species, the data on the report will only show the results containing mice. However, if at the same time an incompatible selection is made e.g. selecting species grouping level 2 "birds" (excluding all other groups of species covering also "mammals" (including "mouse")), no data is shown in the report, as the two selections are incompatible.

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Primary purposes

					Primary purposes					
	Basic Research	Translational and applied research	d	Regulatory use and	Protection of the natural environment in the interests of the health or welfare of human beings or animals Preservation of species	Higher education or training for the acquisition, maintenance or improvement of vocational skills	Forensic enquiries	Maintenance of colonies of established genetically altered animals, not used in other procedures	Non-EU Purpose	Total
Mice		60,503	79,736		591	2,125				155,291
Rats		11,374	32,181	1,651	14	1,462				46,682
Guinea-Pigs		153	577	2,326						3,056
Hamsters			50	00		00				152
(Syrian) Hamsters			52	80		20				
(Chinese)										
Mongolian gerbil										
Other Rodents		4								4
Rabbits		70	1,933	112	196	14				2,325
Cats		18								18
Dogs		25	102			3				2,325 18 266 2
Ferrets			2							
Other carnivores		387	192							579
Horses, donkeys &										319
cross-breeds		22	270		2	25		•		
Pigs Goats		3,306	2,770 6			1,493	4			7,970
Sheep		24	C		2	11				6 37
Cattle		232	128	2		98				2,110
Prosimians				_	.,					_,
Marmoset and										
tamarins Cynomolgus										
monkey										
Rhesus monkey										
Vervets Chlorocebus										
spp. Baboons										
Squirrel										
monkey										
Other species of New World Monkeys										
(Ceboidea) Other species										
of Old World Monkeys										
(Cercopithecoid ea)										
Other species of non-human										
primates Apes										
Other Mammals		55								55
Domestic fowl		122	1,558			52				1,732
Other birds		36			337					1,732 373
Reptiles		262								262
Rana										
Xenopus		56								56
Other Amphibians		30								30

	Basic Research		Regulatory use and	Protection of the natural environment in the interests of the health or welfare of human beings or animals	Preservation of species	Higher education or training for the acquisition, maintenance or improvement of vocational skills	Forensic enquiries	Maintenance of colonies of established genetically altered animals, not used in other procedures	Non-EU Purpose	Total
Zebra fish	250		3,058							3,308
Other Fish	26,883	18,663	1,470		1,491	1 84	, ,			48,591
Cephalopods										
Total	103,812	138,170	21,532	2,792	1,491	1 5,387	40)		273,224



7.88%

Basic Research

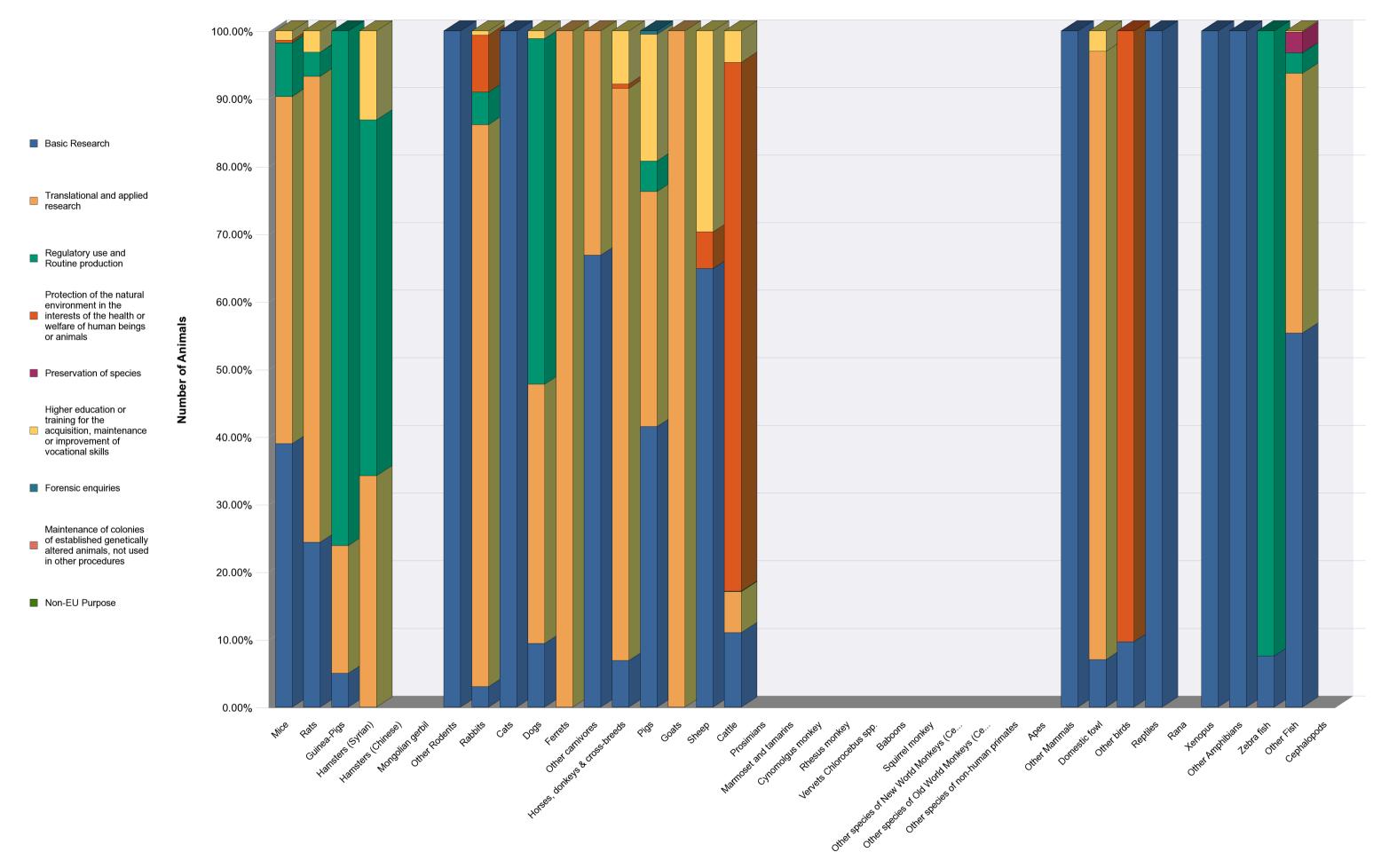
Forensic enquiries

Higher education or training for the acquisition...

Preservation of species

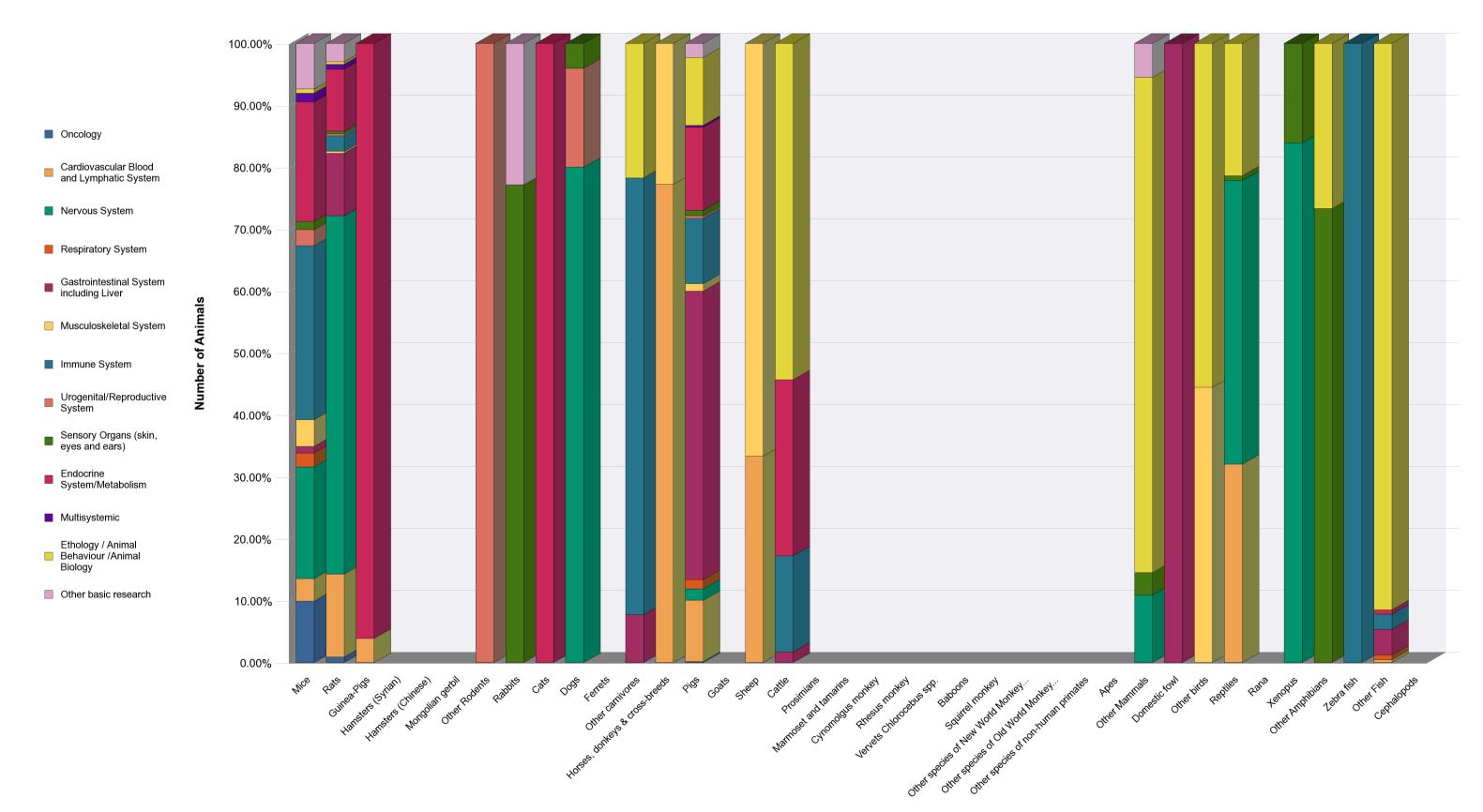
Protection of the natural environment in the int...

Regulatory use and Routine production



								Basic	research pu	urpo	ses									
	Oncology	B	ardiovascular lood and ymphatic ystem	Nervous System		Respiratory	Gastrointestin al System including Liver		Immune System	R	rogenital/ eproductive ystem	Sensory Organs (skin, eyes and ears)	Endocrine System/ Metabolism		Multisystemic	Ethology Animal Behavio Animal B	our /	Other basic research	То	otal
Mice		6,011	2,198		10,912					,002	1,579			1,706	-		405		60,5	03
Rats		104	1,520)	6,581		1,150) 41		282	38	3	46	1,141	88	8	46	337	11,3	74
Guinea-Pigs			6	5										147					1	53
Hamsters (Syrian)																				
Hamsters (Chinese)																				
Mongolian gerbil																				
Other Rodents											4	1								4
Rabbits													54					16	·	70 18 25
Cats														18						18
Dogs					20						4	1	1						:	25
Ferrets																				
Other carnivores							30)		273							84	1	3	87
Horses, donkeys & cross-breeds			17	7				5											:	22
Pigs		6	326		61	50	1,540			349	1:	3	30	444	10	n	362	2 75	3,3	06
Goats		0	520		01		1,0+0	, то	· · · · · · · · · · · · · · · · · · ·	545			50			0	502		, 0,0	00
Sheep			8	3				16												24
Cattle							4			36				66			126	3	2	24 232
Prosimians																				
Marmoset and tamarins																				
Cynomolgus monkey																				
Rhesus monkey																				
Vervets Chlorocebus																				
spp. Baboons																				
Squirrel monkey																				
Other species of New World																				
Monkeys (Ceboidea)																				
Other species of Old World																				
Monkeys (Cercopithecoid ea)																				
Other species of non-human																				
primates																				
Apes																				
Other Mammals					6								2				44	4 3	}	55 22 36 262
Domestic fowl							122												1:	22
Other birds								16									20			36
Reptiles			84	1	120								2				56	j	2	62
Rana																				
Xenopus					47								9							56
Other Amphibians													22				8	3		30
Zebra fish										250									2	250

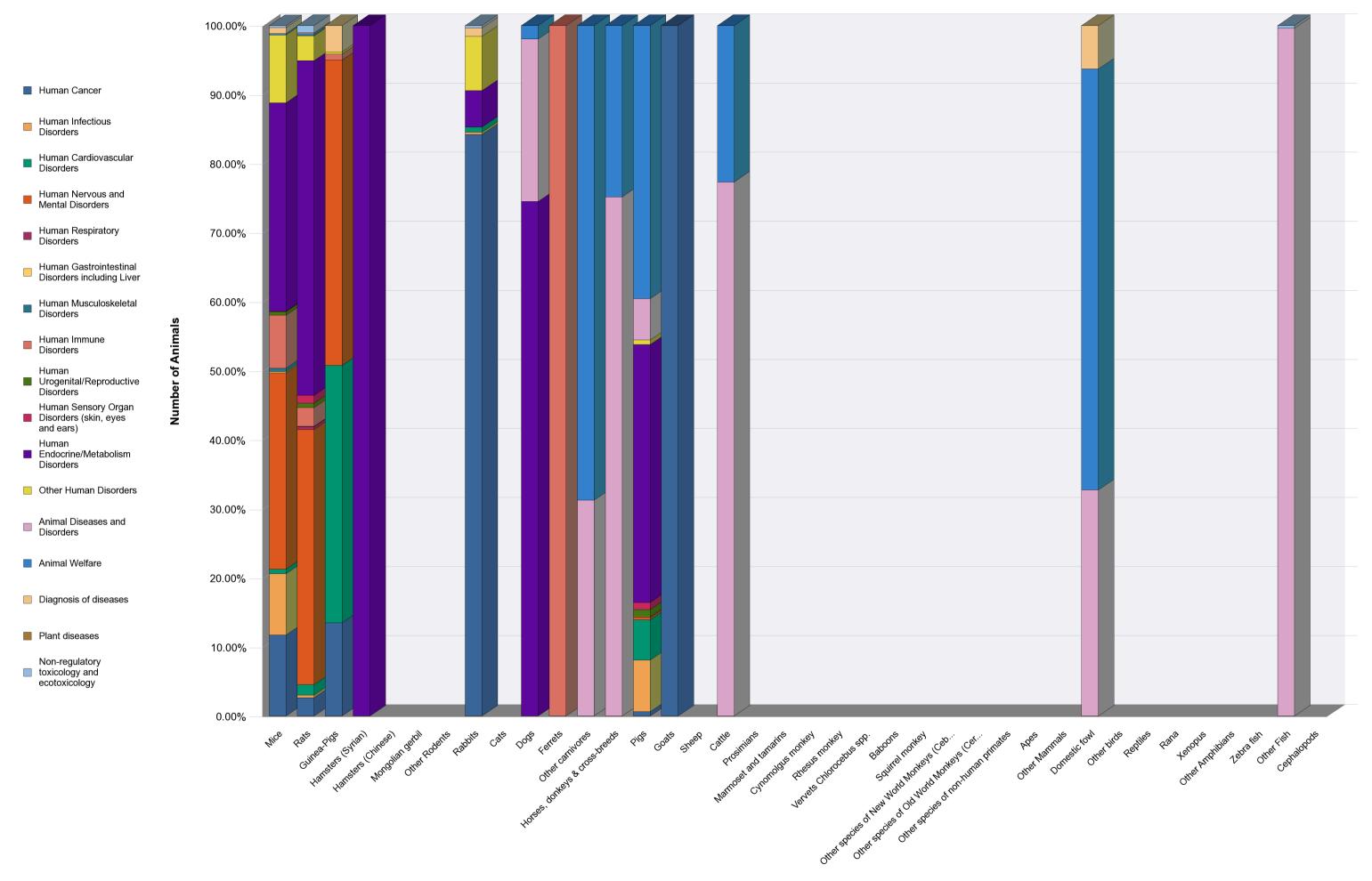
	Oncology	Cardiovascular Blood and Lymphatic System	Nervous System	Respiratory System	Gastrointestin al System including Liver		Immune System			Endocrine System/ Metabolism		Ethology / Animal Behaviour / Animal Biology	Other basic research	Total
Other Fish		129	ð	202	2. 1,114	ł	660			181		24,597		26,883
Cephalopods														
Total	6,1	21 4,288	8 17,747	1,601	4,618	3 2,723	18,852	1,638	940) 13,703	949	25,748	4,884	103,812
%	5.90	0% 4.13%	6 17.10%	1.54%	4.45%	6 2.62%	18.16%	1.58%	0.91%	5 13.20%	0.91%	24.80%	4.70%	



Translational and applied research purposes

								Trans	lational a	Ind	applied re	esearch p	urposes								
	Human Cancer	Human Infectious Disorders	Human Cardiovas cular Disorders	and M	us Iental	Human Respirator y Disorders	including	Human Musculosk eletal Disorders	Human Immune Disorders		Reproducti ve	Human Sensory Organ Disorders (skin, eyes and ears)	Human Endocrine/ Metabolis m Disorders	Other Human Disorders	Animal Diseases and Disorders	Animal Welfare		Diagnosis of diseases	Plant diseases	Non- regulatory toxicology and ecotoxicol ogy	Total
Mice	9,3				22,673		135			,133			64 24,07			10	168			233	
Rats	8				11,888		6	1	4	875		3	62 15,59			24	80		40	343	
Guinea-Pigs		78		215	255					5				2	2			2	22		577
Hamsters (Syrian)													5	2							52
Hamsters (Chinese)																					
Mongolian gerbil																					
Other Rodents																					
Rabbits	1,6	28	6	15									10	2 151	1				24	7	1,933
Cats														•			-				100
Dogs										2			7	6		24	2	: 			102 2
Ferrets Other										2											
carnivores																60	132	2			192
Horses, donkeys & cross-breeds															2	03	67				270
Pigs		8 20	16	162	10		1 4				26		29 1,03	4 18			1,096				2,770
Goats		6		102	10		· -				20		1,00	- IC		50	1,030				6
Sheep																					Ŭ
Cattle																99	29)			128
Prosimians																					
Marmoset and tamarins																					
Cynomolgus monkey																					
Rhesus monkey																					
Vervets Chlorocebus																					
spp. Baboons																					
Squirrel																					
monkey																					
Other species of New World Monkeys (Ceboidea)																					
Other species of Old World Monkeys (Cercopithecoid ea)																					
Other species of non-human primates																					
Apes																					
Other Mammals																4.0					
Domestic fowl															5	10	950) (98		1,558
Other birds																					
Reptiles																					
Rana Xenopus																					
Other																					
Amphibians																					

	Human Cancer	Human Infectious Disorders	cular	and Mental	Human Respirator y	including	eletal	Human Immune Disorders	Human Urogenital/ Reproducti ve Disorders	Disorders	m	Other Human Disorders	Animal Diseases and Disorders	Animal Welfare	Diagnosis of diseases	Plant diseases	Non- regulatory toxicology and ecotoxicol ogy	Total
Zebra fish																		
Other Fish													18,588				75	18,663
Cephalopods																		
Total	11,93	6 7,424	l 1,399	34,826	137	139	401	7,01	5 623	3 45	5 40,930	9,135	5 19,684	2,524	884		658	138,170
%	8.649	% 5.37%	5 1.01%	25.21%	0.10%	0.10%	0.29%	5.08%	6 0.45%	0.33%	6 29.62%	6.61%	14.25%	1.83%	0.64%		0.48%	



Regulatory use and routine production purposes

			routine production purposes	-
	Quality control (incl batch safety and potency testing)	Other efficacy and tolerance testing	Toxicity and other safety testing including pharmacology	Routine productior
Mice	6,0		6,29	
Rats	4	29	1,22	2
Guinea-Pigs	2,3	08	16	2
Hamsters (Syrian)			8	0
Hamsters (Chinese)				
Mongolian gerbil				
Other Rodents				
Rabbits		50	16 4	6
Cats				
Dogs			13	6
Ferrets				
Other carnivores				
Horses, donkeys &				
cross-breeds Pigs		2	81 27	8
Goats				
Sheep				
Cattle		2		
Prosimians				
Marmoset and tamarins				
Cynomolgus monkey				
Rhesus monkey				
Vervets Chlorocebus				
spp. Baboons				
Squirrel monkey				
Other species				
of New World Monkeys (Ceboidea)				
Other species of Old World				
Monkeys (Cercopithecoid ea)				
Other species of non-human				
primates				
Apes				
Other Mammals				
Domestic fowl				
Other birds				
Reptiles Bana				
Rana				
Xenopus Other				
Other Amphibians				
Zebra fish			3,05	8
Other Fish			1,47	
Cephalopods				

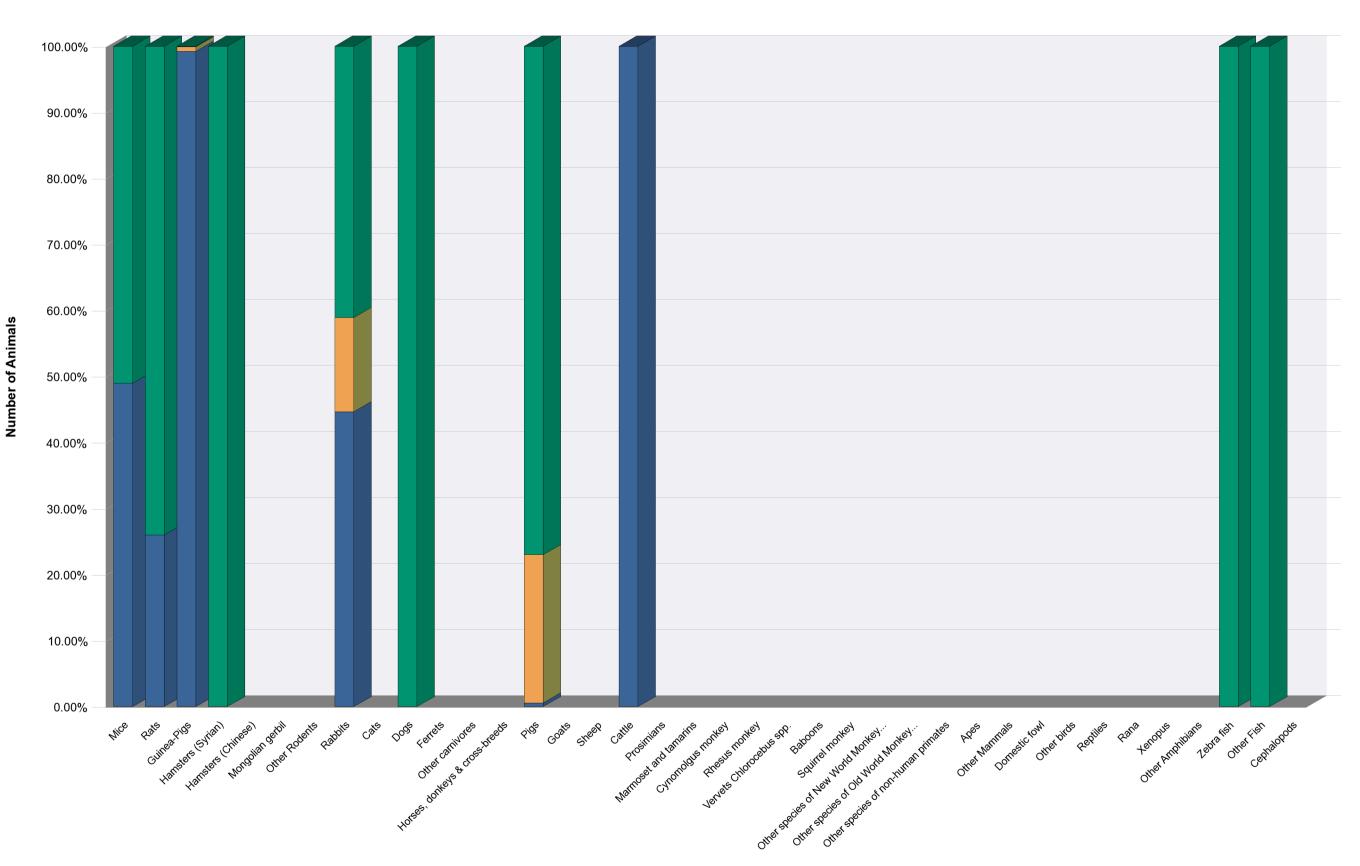
on	Total
	12,336
	1,651
	2,326
	80
	112
	136
	201
	361
	2
	3,058 1,470
	1,470

	Quality control (incl batch safety and potency testing)		Toxicity and other safety testing including pharmacology	Routine production Total
Total	8,833	113	12,586	21,532
%	41.02%	0.52%	58.45%	

 Quality control (incl batch safety and potency testing)
 Other efficacy and tolerance testing
 Toxicity and other safety testing including

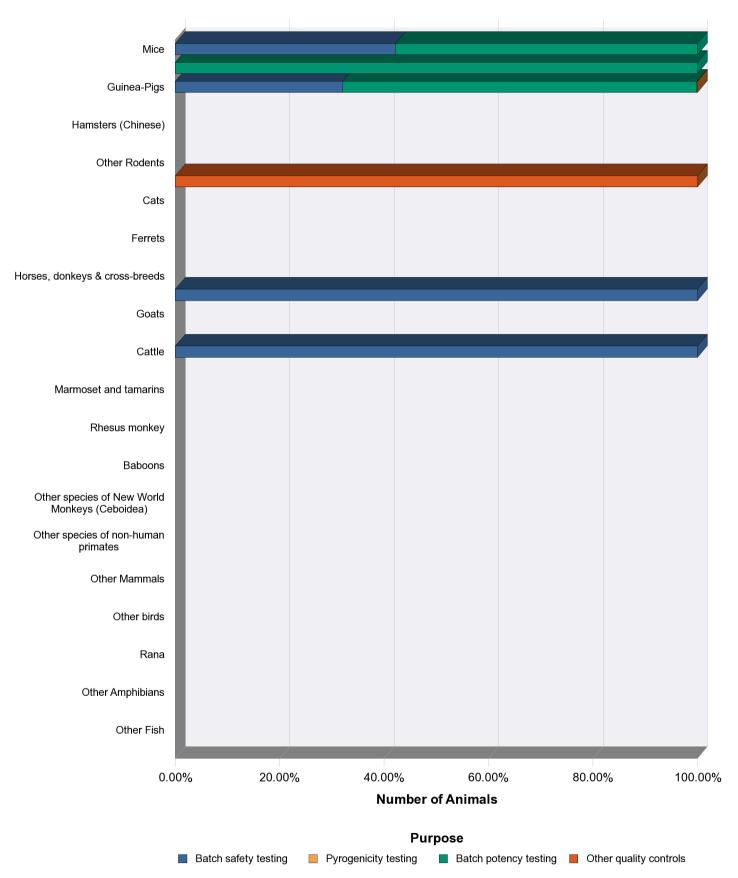
pharmacology

Routine production



		Quality con	trol purposes						Routine production pur	poses	
	Datab actatu taating	Duro conicity tooting	Batch potency	Other quality controls		Total		Blood based products	Monoclonal antibodies	Other product types	Total
Mice	Batch safety testing 2,55	Pyrogenicity testing	testing	3,491		6,042	Mice				
Rats	_,			429		429	Rats				
Guinea-Pigs	740)		1,566	2	2,308	Guinea-Pigs Hamsters				
Hamsters							(Syrian)				
(Syrian) Hamsters							Hamsters				
(Chinese)							(Chinese) Mongolian				
Mongolian gerbil							gerbil				
Other Rodents							Other Rodents Rabbits				
Rabbits					50	50	Cats				
Cats							Dogs				
Dogs Ferrets							Ferrets				
Other							Other carnivores				
carnivores							Horses,				
Horses, donkeys &							donkeys & cross-breeds				
cross-breeds		.					Pigs				
Pigs Goats	2	2				2	Goats				
Sheep							Sheep				
Cattle	2	2				2	Cattle				
Prosimians							Prosimians Marmoset and				
Marmoset and tamarins							tamarins Cynomolgus				
Cynomolgus monkey							monkey Rhesus				
Rhesus monkey							monkey				
Vervets Chlorocebus							Vervets Chlorocebus spp.				
spp.							Baboons				
Baboons Squirrel							Squirrel				
monkey							monkey Other species				
Other species of New World Monkeys							Other species of New World Monkeys (Ceboidea)				
(Ceboidea) Other species							Other species				
of Old World							of Old World Monkeys				
Monkeys (Cercopithecoid ea)							(Cercopithecoid ea)				
Other species of non-human							Other species of non-human primates				
primates							Apes				
Apes Other Mammals							Other Mammals				
Domestic fowl							Domestic fowl				
Other birds							Other birds Reptiles				
Reptiles							Reptiles				
Rana							Xenopus				
Xenopus Other							Other				
Amphibians							Amphibians				
Zebra fish							Zebra fish Other Fish				
Other Fish							Cephalopods				
Cephalopods											

	Batch safety testing Pyrogenicity testing	Batch potency testing	Other quality controls	Total		Blood based products	Monoclonal antibodies	Other product types	Total
Total	3,295	5,486	52	8,833	Total				
0/_	37.30%	62.11%			%				
/0	57.5070	02.11/0	0.5970						

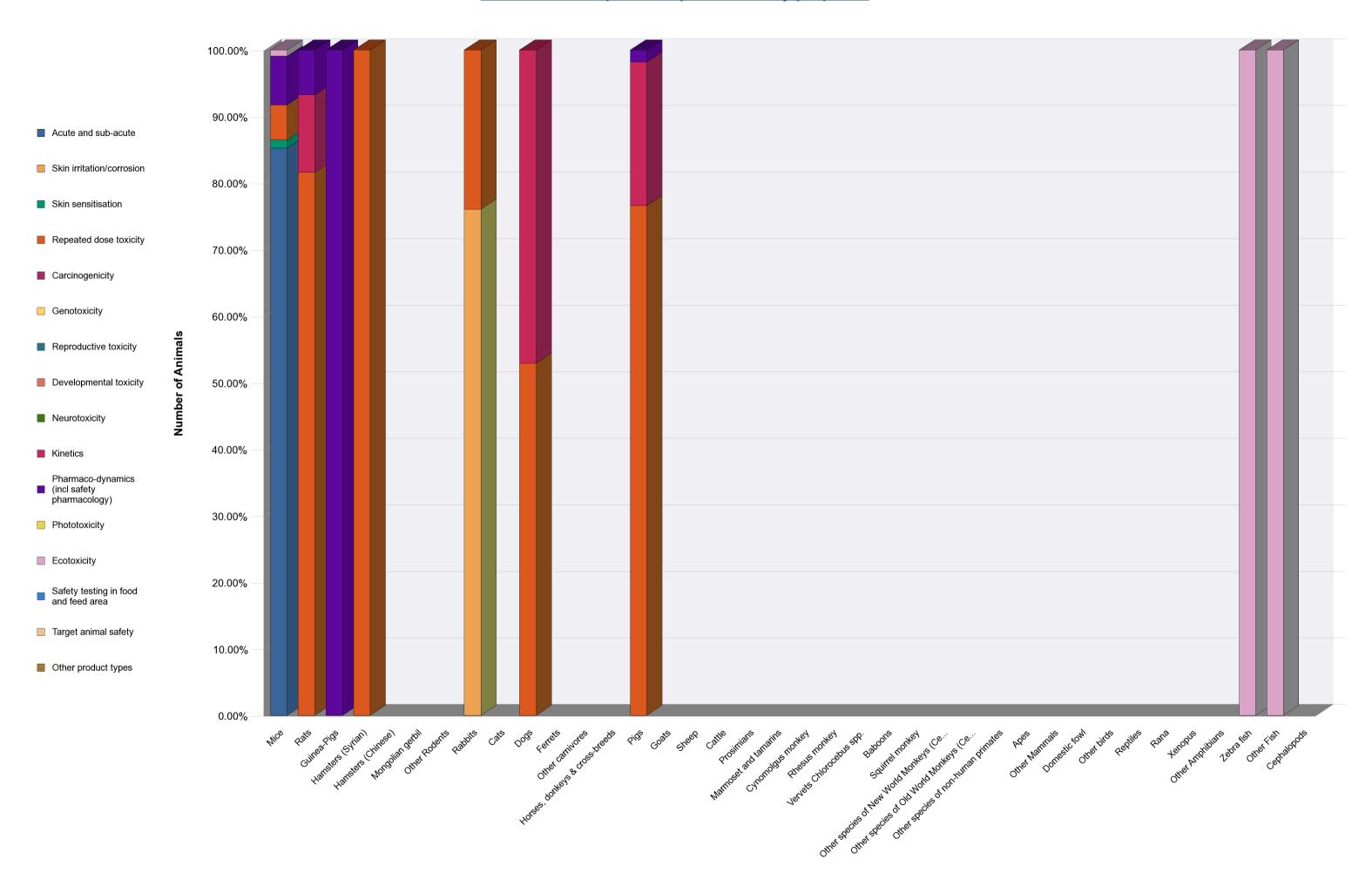




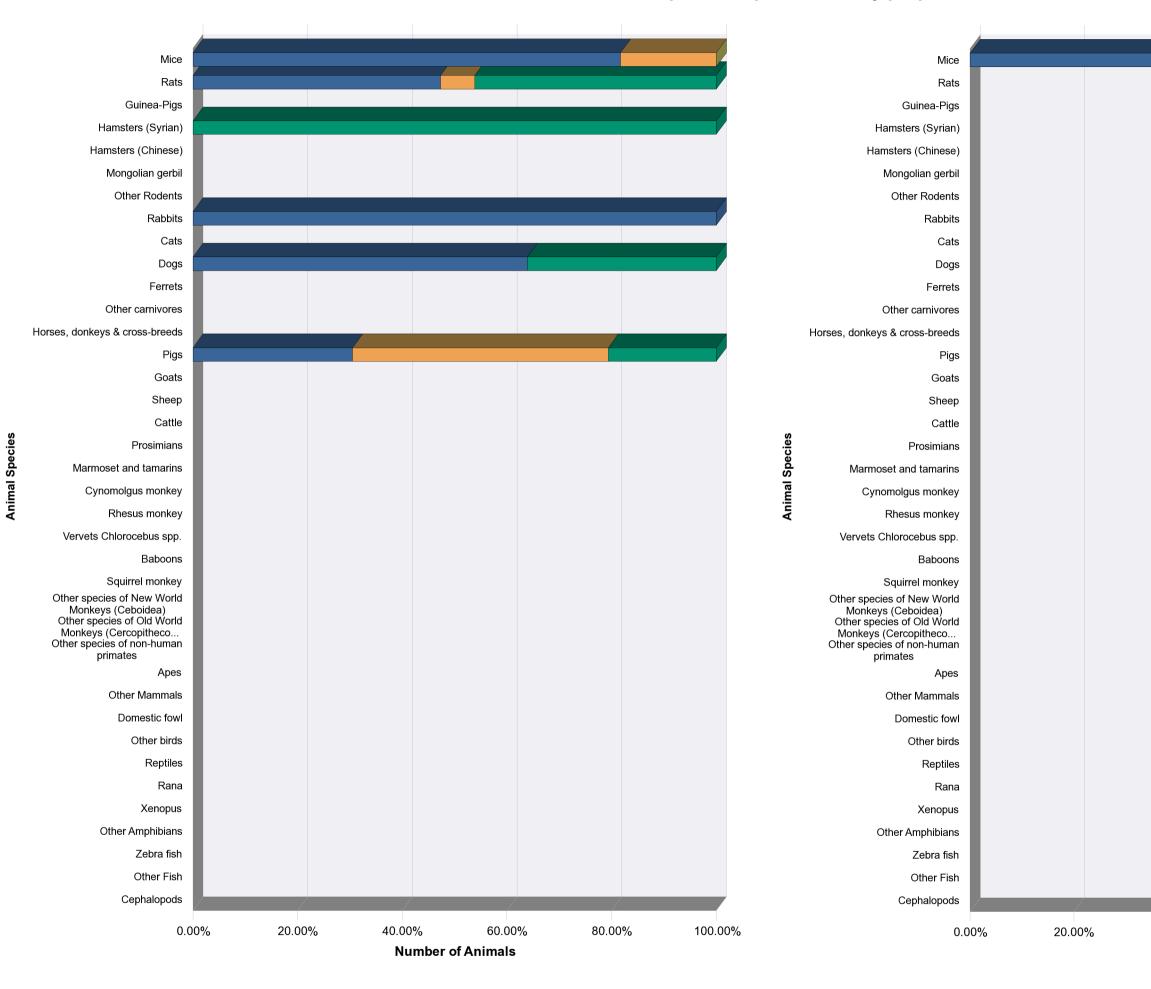
Toxicity and other safety testing by test type purposes

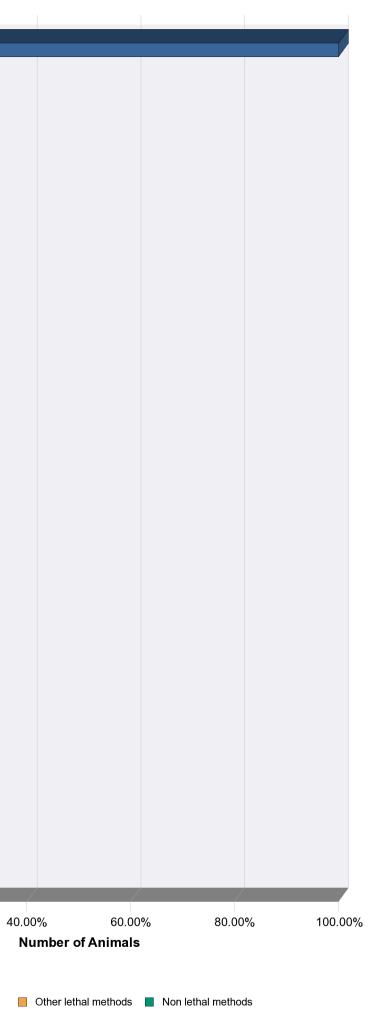
	Toxicity and other safety testing by test type purposes																	
	Acute and sub-acute	Skin irritation/ corrosion	Skin sensitisati on	Repeated dose toxicity	Carcinoge nicity	Genotoxici ty	Reproducti ve toxicity		Neurotoxic ity	Kinetics	Pharmaco- dynamics (incl safety pharmacol ogy)	Phototoxic ity	Ecotoxicity	Safety testing in food and feed area	Target animal safety	Eye irritation/ corrosion	Other toxicity/ safety testing	Total
Mice	5,36			30 32	28						463		5					6,294
Rats				99	7					14								1,222
Guinea-Pigs											2	2						2
Hamsters (Syrian)				8	0													80
Hamsters (Chinese)																		
Mongolian gerbil																		
Other Rodents																		
Rabbits		35	5	1	1													46
Cats				7	<u>′</u>						4							126
Dogs Ferrets				72	2					6	4							136
Other carnivores																		
Horses, donkeys & cross-breeds																		
Pigs Goats				21	3					6	0 !	5						278
Sheep																		
Cattle																		
Prosimians																		
Marmoset and tamarins																		
Cynomolgus monkey																		
Rhesus monkey																		
Vervets Chlorocebus spp.																		
Baboons																		
Squirrel monkey																		
Other species of New World Monkeys (Ceboidea)																		
Other species of Old World Monkeys (Cercopithecoid																		
ea) Other species of non-human primates																		
Apes																		
Other Mammals Domestic fowl																		
Other birds				_														
Reptiles																		
Rana																		
Xenopus																		
Other Amphibians																		

	Acute and sub-acute	Skin irritation/ corrosion	Skin sensitisati on	Repeated dose toxicity	Carcinoge nicity	Genotoxici ty	Reproducti ve toxicity	Neurotoxic ity	Kinetics	Pharmaco- dynamics (incl safety pharmacol ogy)	Phototoxic ity	Ecotoxicity	Safety testing in food and feed area	Target animal safety	Eye irritation/ corrosion	Other toxicity/ safety testing	Total
Zebra fish												3,058	8				3,058
Other Fish												1,470					1,470
Cephalopods																	
Tota	al 5,366	35	5 8	1,701					267	552	2	4,585	j				12,586
9	% 42.63%	0.28%	0.64%	% 13.52%					2.12%	4.39%		36.43%					



	Rep	peated dose toxicity p	urposes		Acute and sub-acute toxicity testing methods						
	up to 28 days	29 - 90 days	> 90 days		Total		LD50, LC50	Other lethal methods	Non lethal methods	Total	
Mice	26		60		328	Mice	5,36			5,366	
Rats	47	2	65	460	997	Rats					
Guinea-Pigs						Guinea-Pigs					
Hamsters					80	Hamsters					
(Syrian)				80		(Syrian)					
Hamsters (Chinese)						Hamsters (Chinese)					
Mongolian gerbil						Mongolian gerbil					
Other Rodents						Other Rodents					
Rabbits	1	1			11	Rabbits					
Cats						Cats					
Dogs	4	6		26	72	Dogs					
Ferrets						Ferrets					
Other carnivores						Other carnivores					
Horses, donkeys & cross-breeds						Horses, donkeys & cross-breeds					
Pigs	6	5	104	44	213	Pigs					
Goats					210	Goats					
Sheep						Sheep					
Cattle						Cattle					
Prosimians						Prosimians					
Marmoset and						Marmoset and					
tamarins						tamarins					
Cynomolgus monkey						Cynomolgus monkey					
Rhesus monkey						Rhesus monkey					
Vervets						Vervets					
Chlorocebus						Chlorocebus					
spp.						spp.					
Baboons						Baboons					
Squirrel monkey						Squirrel monkey					
Other species of New World						Other species of New World					
Monkeys						Monkeys					
(Ceboidea)						(Ceboidea)					
Other species of Old World						Other species of Old World					
Monkeys						Monkeys					
(Cercopithecoide						(Cercopithecoid ea)					
Other species of						Other species of					
non-human						non-human					
primates						primates					
Apes						Apes					
Other Mammals Domestic fowl						Other Mammals Domestic fowl					
Other birds						Other birds					
Reptiles						Reptiles					
Rana						Rana					
Xenopus						Xenopus					
Other						Other					
Amphibians						Amphibians					
Zebra fish						Zebra fish					
Other Fish						Other Fish					
Cephalopods						Cephalopods					
Tota	al 86	2	229	610	1,701	Tota	al 5,36	6		5,366	
C.	% 50.68	% 13	.46%	35.86%		%	6 100.009	6			





Ecotoxicity purposes

	Acute toxicity	Chronic toxicity	Reproductive ecotoxicity	Endocrine activity	Bioaccumulation	Other ecotoxicity	Total
Mice		57					57
Rats							
Guinea-Pigs							
Hamsters (Syrian)							
Hamsters (Chinese)							
Mongolian gerbil							
Other Rodents							
Rabbits							
Cats							
Dogs							
Ferrets							
Other carnivores							
Horses, donkeys & cross- breeds							
Pigs							
Goats							
Sheep							
Cattle							
Prosimians							
Marmoset and tamarins							
Cynomolgus monkey							
Rhesus monkey							
Vervets Chlorocebus spp.							
Baboons							
Squirrel monkey							
Other species of New World Monkeys (Ceboidea)							
Other species of Old World Monkeys (Cercopithecoidea)							
Other species of non- human primates							
Apes							
Other Mammals							
Domestic fowl							
Other birds							
Reptiles							
Rana							
Xenopus							
Other Amphibians							
Zebra fish		1,50	60	1,440) 58	3	3,058
Other Fish		1,4	70				1,470
Cephalopods							
Tota	al	57 3,03	30	1,440) 50	3	4,585
9	% 1.2	66.09)%	31.41%	1.26%	ý0	

