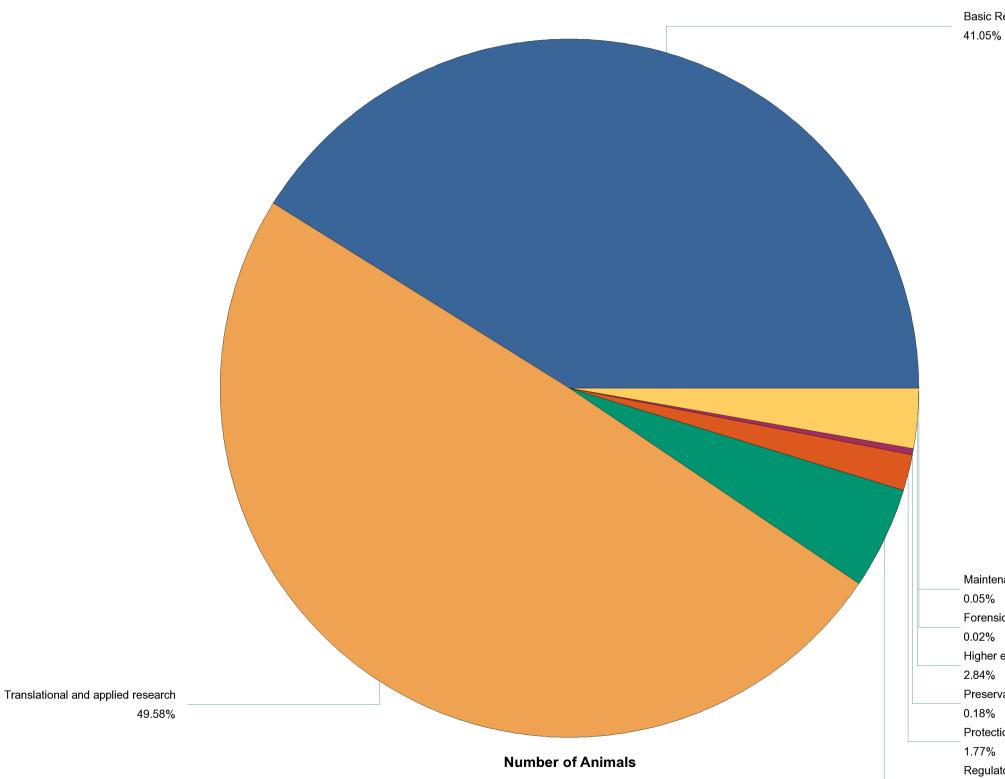
#### Primary purposes

					Primary	/ purposes					
	Basic Research	Translational and applied research	ł	Regulatory use and	Protection of the natural environment in the interests of the health or welfare of human beings or Preservati animals species	tion of	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		60,155	71,334	· · · · · · · · · · · · · · · · · · ·	40		1,973			1	136,464
Rats		12,544	21,237		68		1,894			•	39,751
Guinea-Pigs		200	307								597
Hamsters											20
(Syrian)				8	12						20
Hamsters (Chinese)											
Mongolian gerbil			36								36
- Other Rodents					173						173
Rabbits		33	1,193	83	339		15				1,663
Cats		3									3 286
Dogs		17	41	205			23				286
Ferrets		144									144
Other carnivores		757	127								884
Horses, donkeys & cross-breeds		143			7		8				158
Pigs		2,288	1,512	423	1,687		1,635		46		7,591
Goats				11			1				12 61 286
Sheep		28	15		12		6				61
Cattle		97	85	5	1		98				286
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		29									29
Domestic fowl		628	990		950						29 2,568 326
Other birds		30			296						326
Reptiles		224	24								248
Rana		5									248 5 90
Xenopus Other		90									
Amphibians		26									26

				Protection of the natural environment in the interests of the health or welfare of human beings or animals	Preservation of	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	269		1,170					9	6	1,535
Other Fish	5,455	3,558	3 180		368	s g	92			9,653
Cephalopods										
Total	83,165	100,459	9,141	3,585	368	5,74	15	46 10	0	202,609



4.51%

Basic Research

Maintenance of colonies of established genetical...

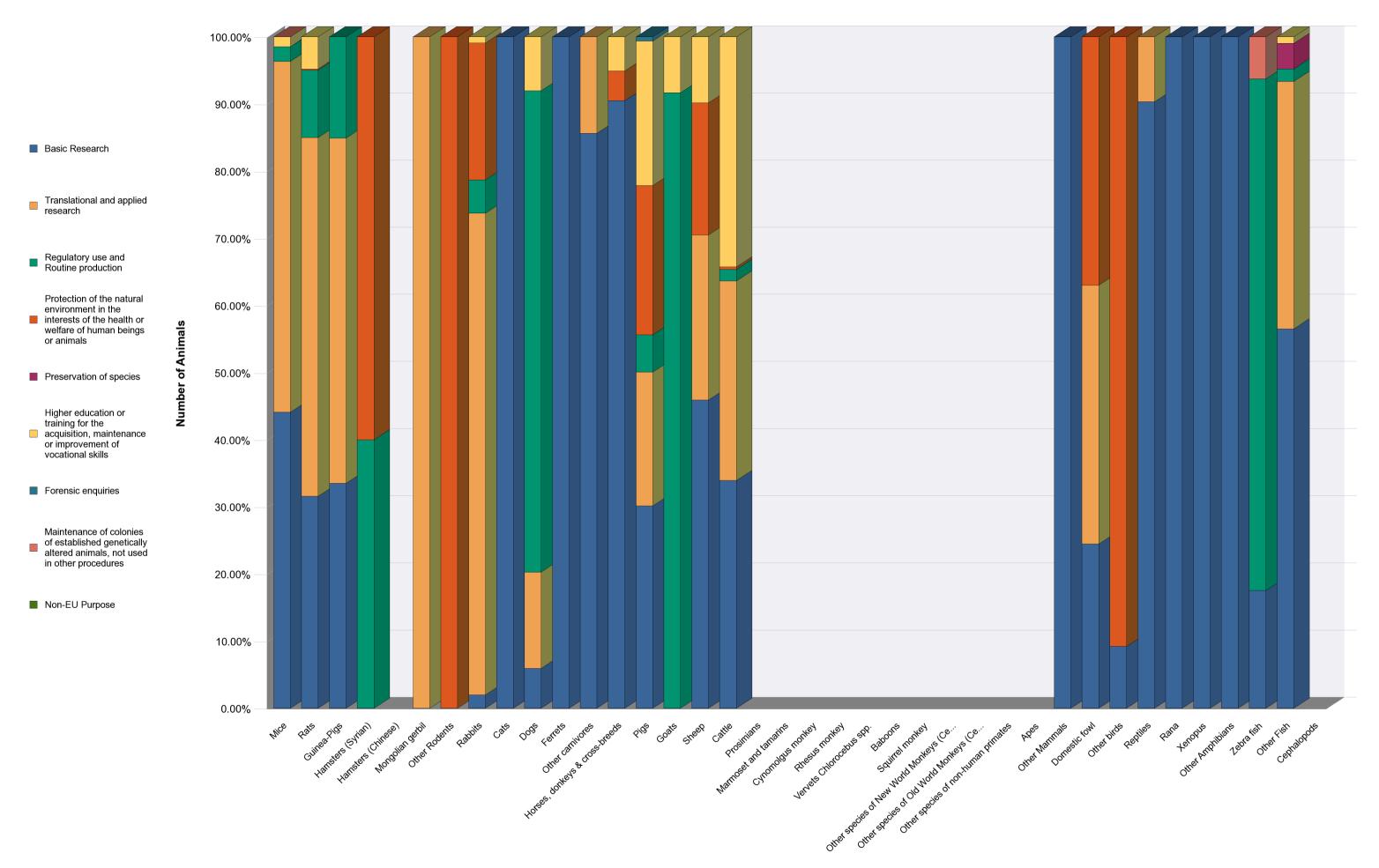
Forensic enquiries

Higher education or training for the acquisition...

Preservation of species

Protection of the natural environment in the int...

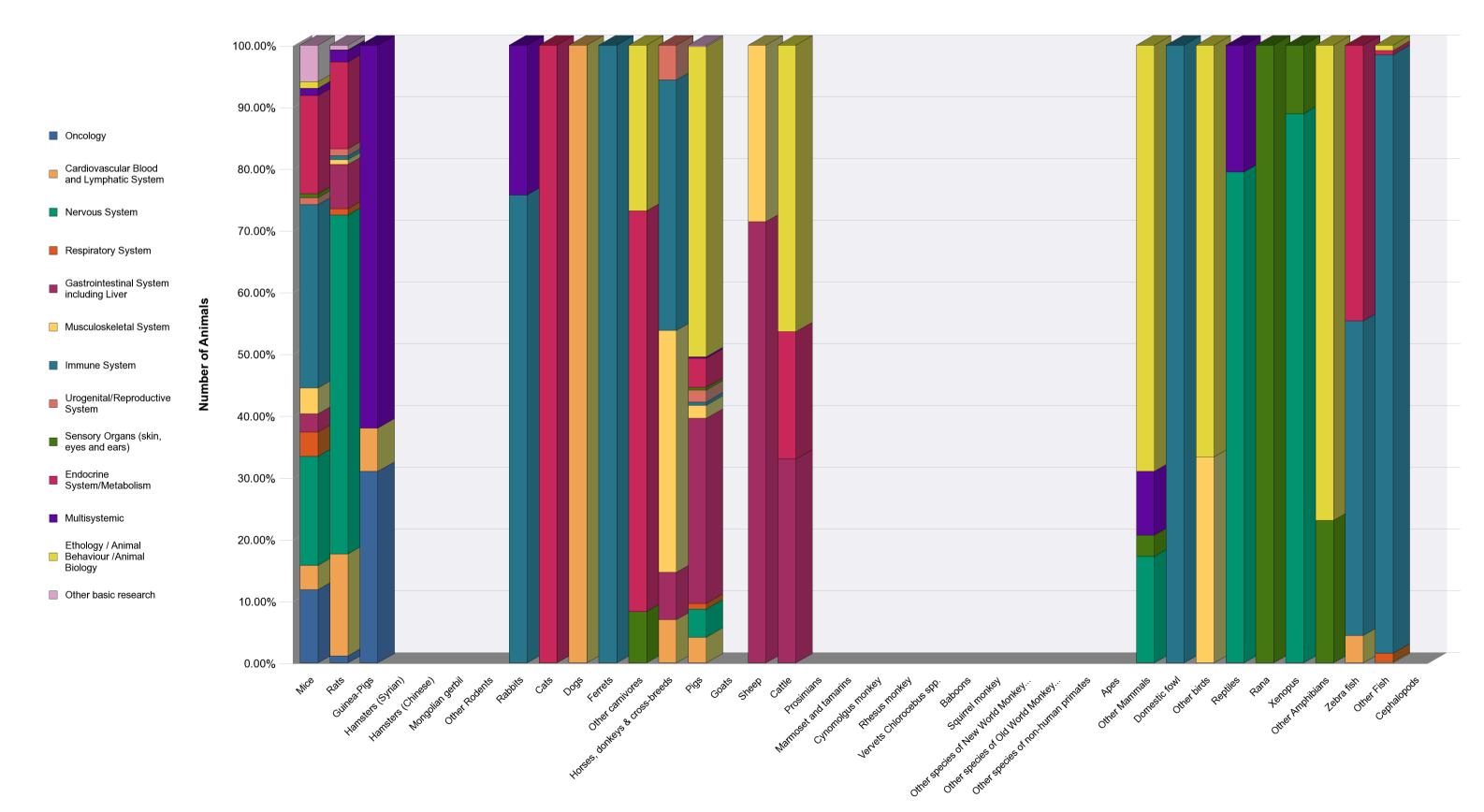
Regulatory use and Routine production



# Basic research purposes

								Basic	research p	ourpos	ses							
	Oncology	Cardiovascu Blood and Lymphatic System	N	Vervous System		Respiratory	Gastrointestin al System including Liver	Musculoskelet al System	Immune System	R	rogenital/ eproductive ystem	Sensory Organs (skin, eyes and ears)	Endocrine System/ Metabolism	Multisystemic		Ethology / Animal Behaviour / Animal Biology	Other basic research	Total
Mice			2,362		0,629	2,359				7,841	67				713			60,155
Rats			2,072		6,880	129				79	13	7			237			
Guinea-Pigs		62	14												124			200
Hamsters (Syrian)																		
Hamsters (Chinese)																		
Mongolian gerbil																		
Other Rodents																		
Rabbits										25					8			33
Cats														3				33 3 17 144
Dogs			17															17
Ferrets										144								144
Other carnivores													63	491		203		757
Horses, donkeys & cross-breeds			10				11	56		58		8						143
Pigs			95		104	21	686			12		.5	10	107	6	1,149	5	2,288
Goats					101										U	1,110		2,200
Sheep							20	8										28
Cattle							32							20		45		28 97
Prosimians							02							20				57
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					5								1		3	20		29
Domestic fowl										628					-			29 628 30 224 5 90
Other birds								10								20		30
Reptiles					178										46			224
Rana													5					5
Xenopus					80								10					90
Other					00											00		26
Amphibians			40							107			6	120		20		
Zebra fish			12							137				120			<u> </u>	269

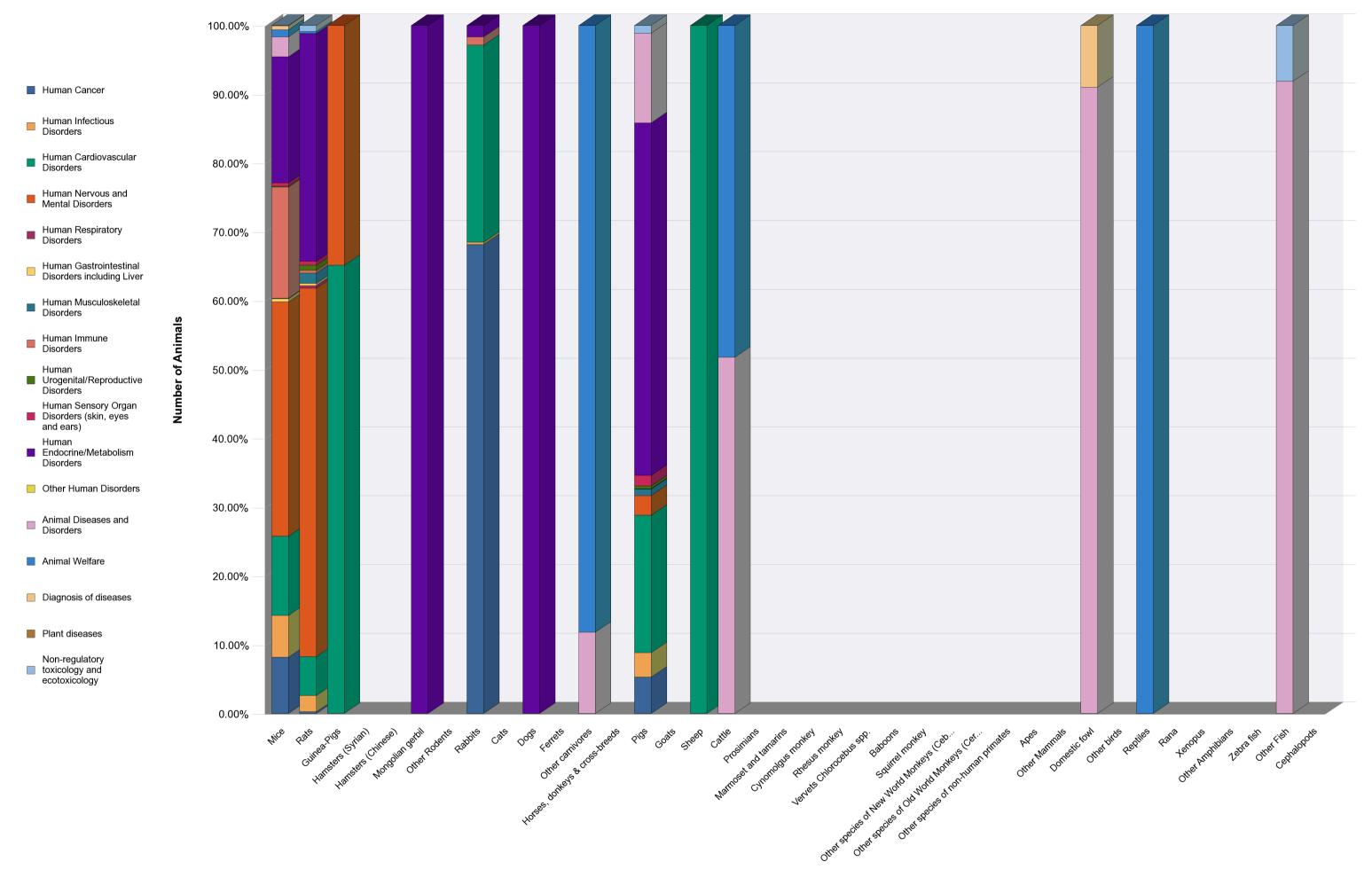
		Oncology	Cardiovascular Blood and Lymphatic System	Nervous System	Respiratory System	Gastrointestin al System including Liver	Musculoskelet al System	Immune System	Reproductive		Endocrine System/ Metabolism	Multisystemic	Ethology / Animal Behaviour / Animal Biology	Other basic research	Total
<b>Other Fish</b>			1	1	76			5,285			37		46		5,455
Cephalopo	ds														
	Total	7,34	5 4,593	3 17,876	2,585	3,410	2,752	24,209	867	494	12,106	1,137	2,141	3,650	83,165
	%	8.83%	6 5.52%	6 21.49%	3.11%	4.10%	% 3.31%	29.11%	1.04%	0.59%	14.56%	1.37%	2.57%	4.39%	



#### Translational and applied research purposes

							Transla	ational and	d applied r	esearch p	urposes							
	Human Cancer	Human Infectious	cular	and Mental	Human Respirator y Disorders	Human Gastrointe stinal Disorders including Liver	Human Musculosk eletal Disorders	Human Immune Disorders	Human Urogenital/ Reproducti ve Disorders	(skin, eyes	m	Other Human Disorders	Animal Diseases and Ai Disorders W	nimal /elfare	Diagnosis of diseases	Plant diseases	Non- regulatory toxicology and ecotoxicol ogy	Total
Mice	5,833	4,337	8,214	4 24,283		328			5 8	0 35			2,056	75	6 4	08	31	71,334
Rats	59	498				0 70	) 317	' 8	8 16	1 1 <sup>.</sup>	15 7,034	4		5	9		190	21,237
Guinea-Pigs			200	) 107	,													307
Hamsters (Syrian)																		
Hamsters (Chinese)																		
Mongolian gerbil											36	6						36
Other Rodents																		
Rabbits	813	8 4	342	2				14	4		20	)						1,193
Cats																		
Dogs											41	1						41
Ferrets																		
Other carnivores													15	11	2			127
Horses, donkeys & cross-breeds																		
Pigs	80	54	302	2 43			14	L .	1	6 2	23 775	5	197				17	1,512
Goats									-	-		-						.,
Sheep			15	5														15
Cattle													44	4	1			15 85
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													901			89		990
Other birds																		
Reptiles														2	24			24
Rana																		
Xenopus																		
Other Amphibians																		

	Human Cancer	Human Infectiou Disorder		Human Nervous and Mental Disorders	Human Respirator y Disorders	Human Gastrointe stinal Disorders including Liver	eletal	Human Immune Disorders	Urogenital/ Reproducti ve	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													3,270				288	3,558
Cephalopods																		
Tot	al 6	6,785 4	,893 10,2	76 35,79	6 80	) 398	3 388	11,618	3 247	48	9 20,991		6,483	992	2 497	7	526	100,459
	% 6	75% 4	87% 10.2	35.639	% 0.08%	0.40%	0.39%	11.56%	6 0.25%	0.49%	% 20.90%		6.45%	0.99%	0.49%	Ď	0.52%	



## Regulatory use and routine production purposes

			buttine production purposes	
	Quality control (incl batch safety and potency testing)	Other efficacy and tolerance testing	Toxicity and other safety testing including pharmacology	Routine production
Mice	1,614		1,344	
Rats	2,897		1,108	
Guinea-Pigs	30		60	
Hamsters (Syrian)			8	
Hamsters (Chinese)				
Mongolian gerbil				
Other Rodents				
Rabbits	16	24	43	
Cats				
Dogs		21	184	
Ferrets				
Other carnivores				
Horses, donkeys &				
cross-breeds	22	46	349	
Pigs Goats	22	40	349	
Sheep				
Cattle	5			
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				
Zebra fish			1,170	
Other Fish			180	
Cephalopods				

Total		on
2,958		
4,008	3	
90		
8		
83		
205		
423	6	
11	11	
-		
5		
1 170		
1,170 180		

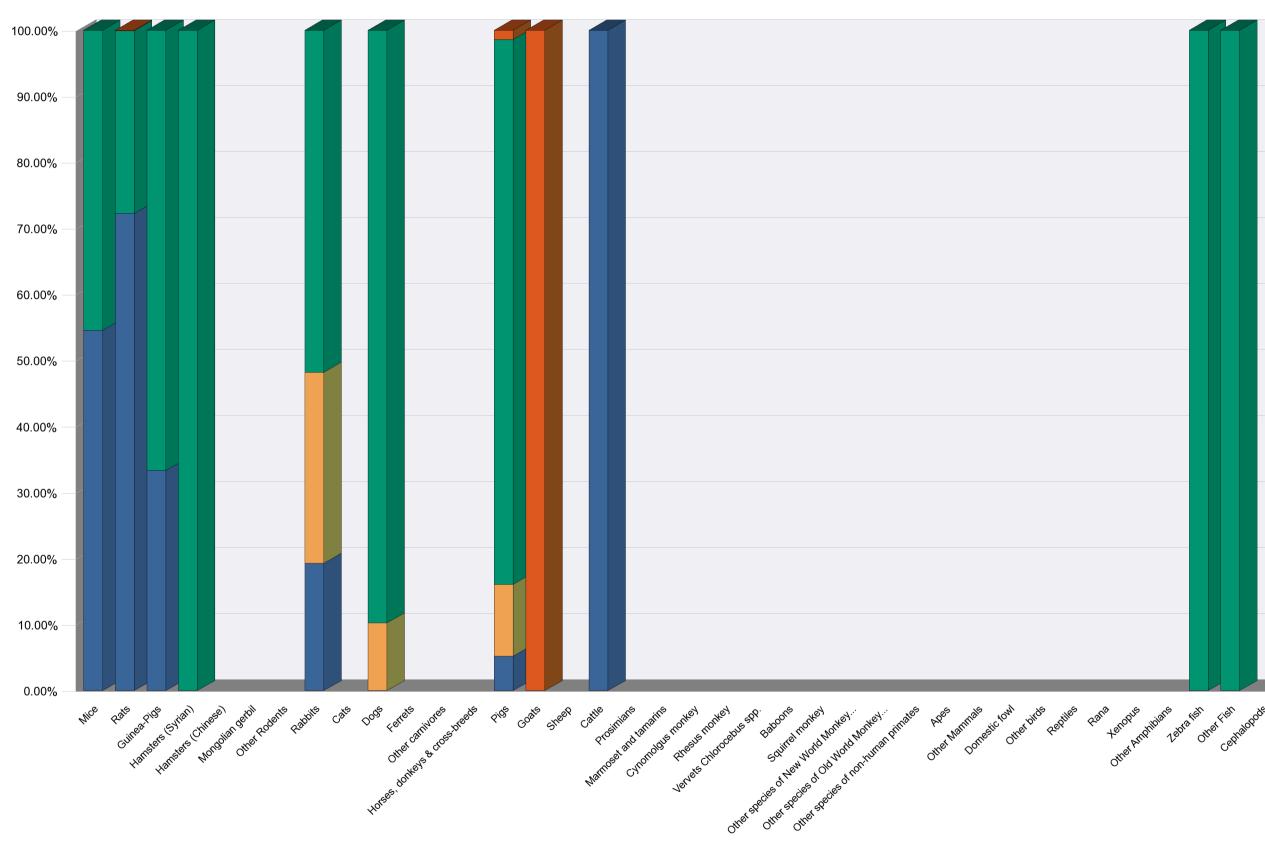
	Quality control (incl batch safety and potency testing)		Toxicity and other safety testing including pharmacology	Routine productio
Total	4,584	91	4,446	
%	50.15%	1.00%	48.64%	

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

Toxicity and other safety testing including pharmacology

Number of Animals

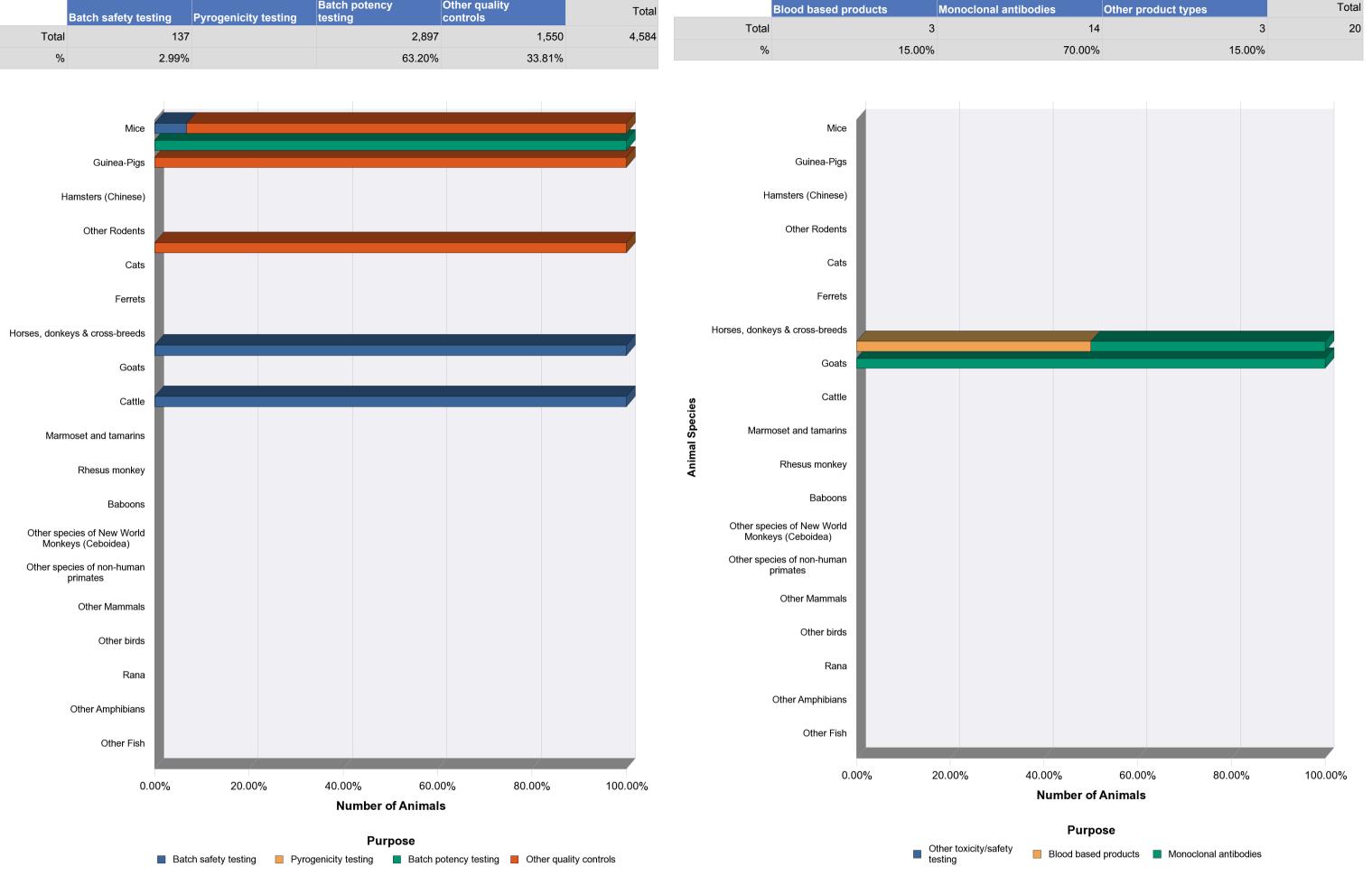
Routine production



tion			Total
	20		9,141
	0.22%		
	1		
male town wide tille cana opue	ians .	IST FIST	nods

	Quality cont	trol purposes		-		- <u>, , , , , , , , , , , , , , , , , , , </u>	Routine production pur	poses	
	Batch safety testing Pyrogenicity testing	Batch potency testing	Other quality controls	Total		Blood based products	Monoclonal antibodies	Other product types	Total
Mice	110		1,504	1,614	Mice				
Rats		2,897		2,897	Rats				3 3
Guinea-Pigs			30	30	Guinea-Pigs				
Hamsters					Hamsters (Syrian)				
(Syrian)					Hamsters				
Hamsters (Chinese)					(Chinese)				
Mongolian					Mongolian				
gerbil					gerbil				
Other Rodents					Other Rodents Rabbits				
Rabbits			16	16	Cats				
Cats					Dogs				
Dogs					Ferrets				
Ferrets					Other				
Other carnivores					carnivores				
Horses,					Horses,				
donkeys &					donkeys & cross-breeds				
cross-breeds	20				Pigs		3	3	6
Pigs	22			22	Goats			11	6 11
Goats Sheep					Sheep				
Cattle	5			5	Cattle				
Prosimians	5			5	Prosimians				
Marmoset and					Marmoset and tamarins				
tamarins					Cynomolgus				
Cynomolgus					monkey				
monkey					Rhesus				
Rhesus monkey					monkey				
Vervets					Vervets Chlorocebus				
Chlorocebus					spp.				
spp. Baboons					Baboons				
Squirrel					Squirrel				
monkey					monkey				
Other species of New World					Other species of New World				
of New World Monkeys					Monkeys				
(Ceboidea)					(Ceboidea)				
Other species of Old World					Other species of Old World				
of Old World Monkeys					Monkeys				
(Cercopithecoid					(Cercopithecoid ea)				
ea)					Other species				
Other species of non-human					of non-human				
primates					primates				
Apes					Apes Other Mammals				
Other Mammals					Domestic fowl				
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					Cephalopous-				

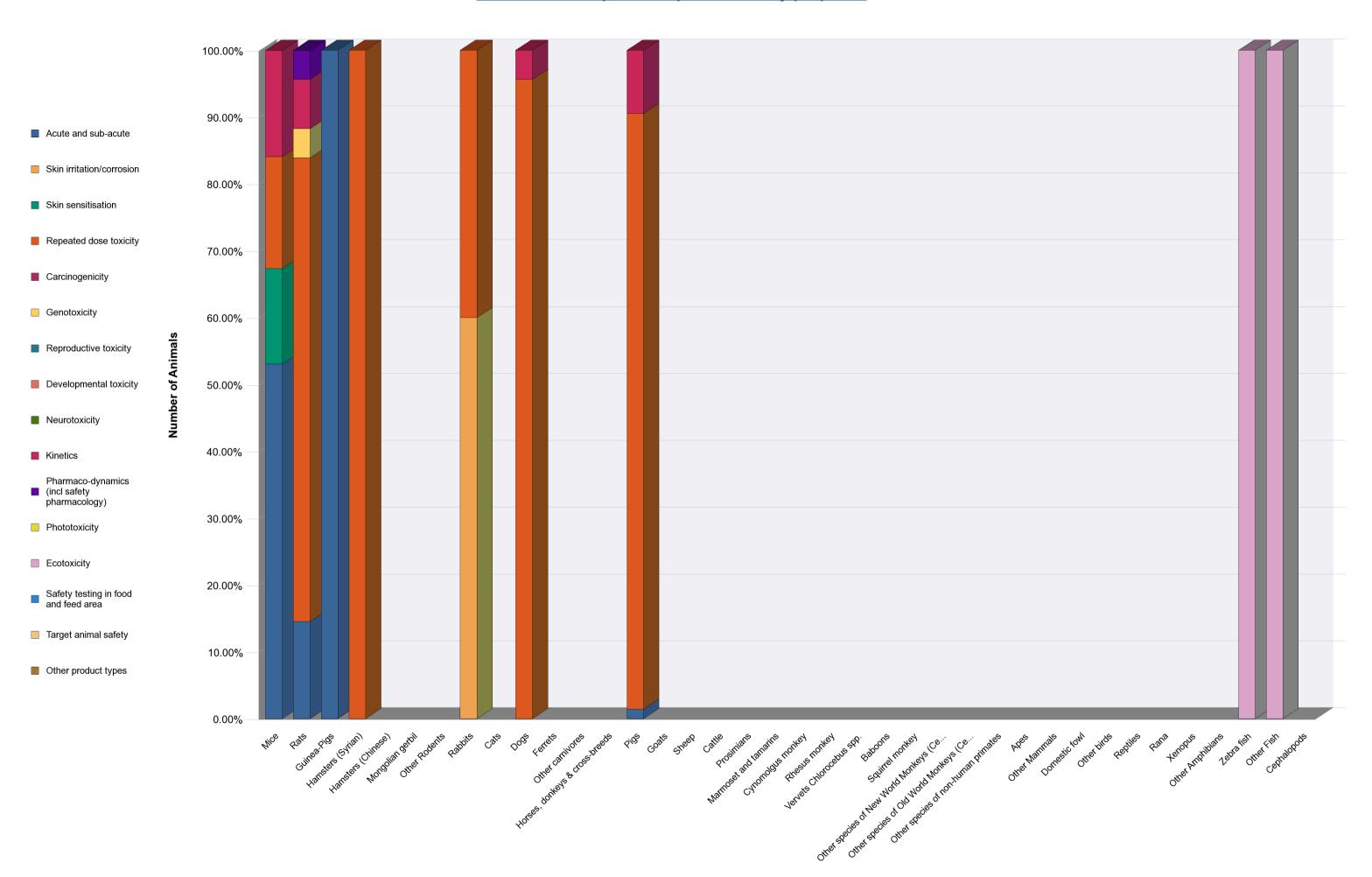
	Batch safety testing	Pyrogenicity testing	Batch potency testing	Other quality controls	Total	E	Blood based products	Monoclonal antib
Total	137		2,897	1,550	4,584	Total	3	
	2.99%		63.20%	33.81%	.,	%	15.00%	
/0	2.9970		05.2076	55.0170				



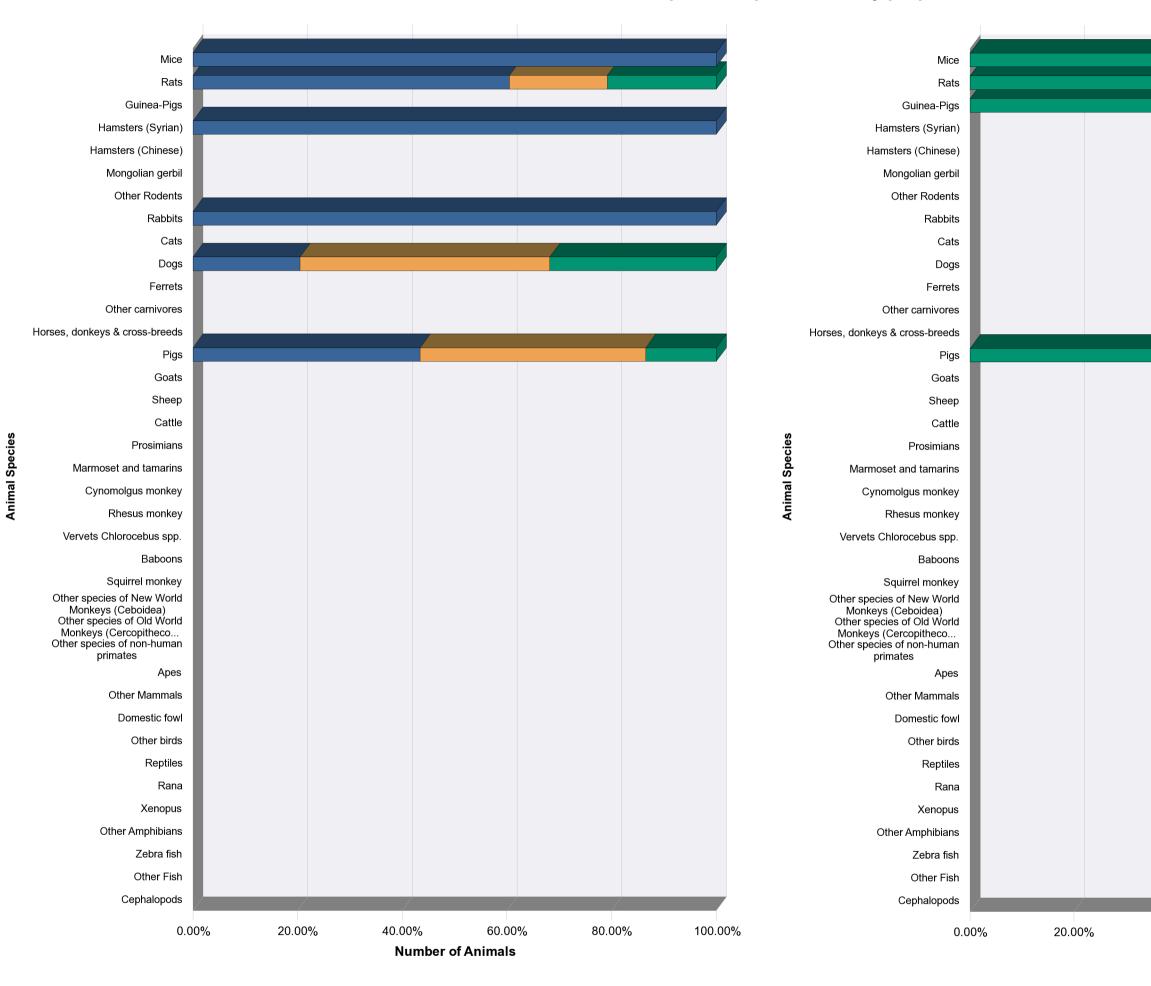
# Toxicity and other safety testing by test type purposes

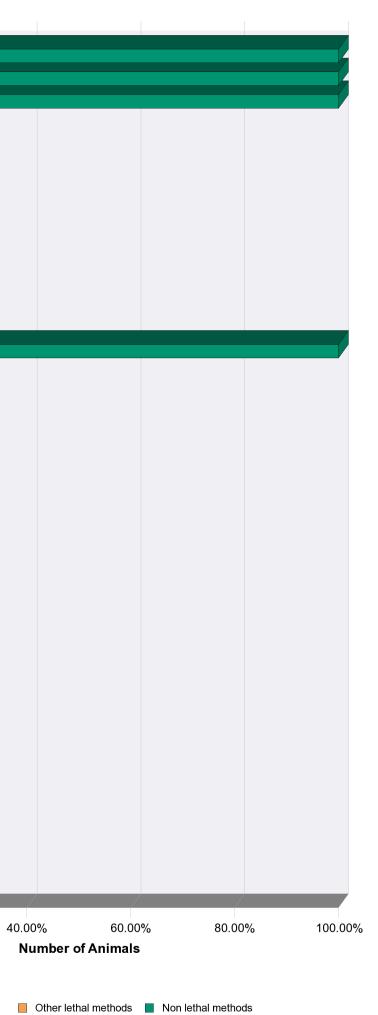
Toxicity and other safety testing by test type purposes																		
	Acute and sub-acute	Skin irritation/ corrosion	Skin sensitisati on	Repeated dose toxicity	Carcinoge nicity	Genotoxici ty	Reproducti ve toxicity	Developme ntal toxicity	Neurotoxic ity	Kinetics	Pharmaco- dynamics (incl safety pharmacol ogy)	Phototoxic ity	Ecotoxicity	Safety testing in food and feed area	Target animal safety	Eye irritation/ corrosion	Other toxicity/ safety testing	Total
Mice	71	3	192	2 2	225					2	214							1,344
Rats	16			7	<b>'</b> 69	48	}				82 48	3						1,108
Guinea-Pigs	6	0																60
Hamsters					8													8
(Syrian) Hamsters					0													
(Chinese)																		
Mongolian gerbil																		
Other Rodents Rabbits			24		10												2	42
Cats		2	24		16												3	43
Dogs				1	76						8							184
Ferrets				•														
Other carnivores																		
Horses, donkeys & cross-breeds																		
Pigs Goats		5		3	311						33							349
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												1,170					1,170
Other Fish												180					180
Cephalopods																	
Tota	al 939	) 24	4 192	1,505	5	4	8		337	48	3	1,350			:	3	4,446
9	6 21.12%	0.54%	<b>4.32</b> %	% 33.85%		1.08%	6		7.58%	1.08%		30.36%			0.07%	b	



	Rep	eated dose toxicity purpo	oses	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	225			225	Mice			713	713	
Rats	465	5 144	160		Rats			161	161	
Guinea-Pigs					Guinea-Pigs			60	60	
Hamsters				8	Hamsters					
(Syrian)	3	3			(Syrian)					
Hamsters (Chinese)					Hamsters (Chinese)					
Mongolian gerbil					Mongolian gerbil					
Other Rodents					Other Rodents					
Rabbits	16	3		16	Rabbits					
Cats					Cats					
Dogs	36	84	56	176	Dogs					
Ferrets					Ferrets					
Other carnivores					Other carnivores					
Horses, donkeys & cross-breeds					Horses, donkeys & cross-breeds					
Pigs	135	5 134	42	311	Pigs			5	5	
Goats					Goats					
Sheep					Sheep					
Cattle					Cattle					
Prosimians					Prosimians					
Marmoset and tamarins					Marmoset and tamarins					
Cynomolgus monkey					Cynomolgus monkey					
Rhesus monkey					Rhesus monkey					
Vervets Chlorocebus spp.					Vervets Chlorocebus spp.					
Baboons					Baboons					
Squirrel monkey					Squirrel monkey					
Other species of New World Monkeys					Other species of New World Monkeys					
(Ceboidea)					(Ceboidea)					
Other species of Old World					Other species of Old World					
Monkeys (Cercopithecoide					Monkeys (Cercopithecoid					
a) Other species of					ea) Other species of					
non-human primates					non-human primates					
Apes					Apes					
Other Mammals					Other Mammals					
Domestic fowl					Domestic fowl					
Other birds					Other birds					
Reptiles					Reptiles					
Rana					Rana					
Xenopus					Xenopus					
Other Amphibians					Other Amphibians					
Zebra fish					Zebra fish					
Other Fish					Other Fish					
Cephalopods					Cephalopods					
Tota	885	362	258	1,505	Total			939	939	
%	58.80%	24.05%	17.14%		%			100.00%		





## Ecotoxicity purposes

	Acute toxicity	Chronic toxicity	Reproductive ecotoxicity	Endocrine activity	Bioaccumulation	Other ecotoxicity	Total					
Mice												
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		1,170					1,170					
Other Fish		180	)				180					
Cephalopods												
Tota	al	1,350	)				1,350					
9	%	100.00%										

