



HOME OFFICE

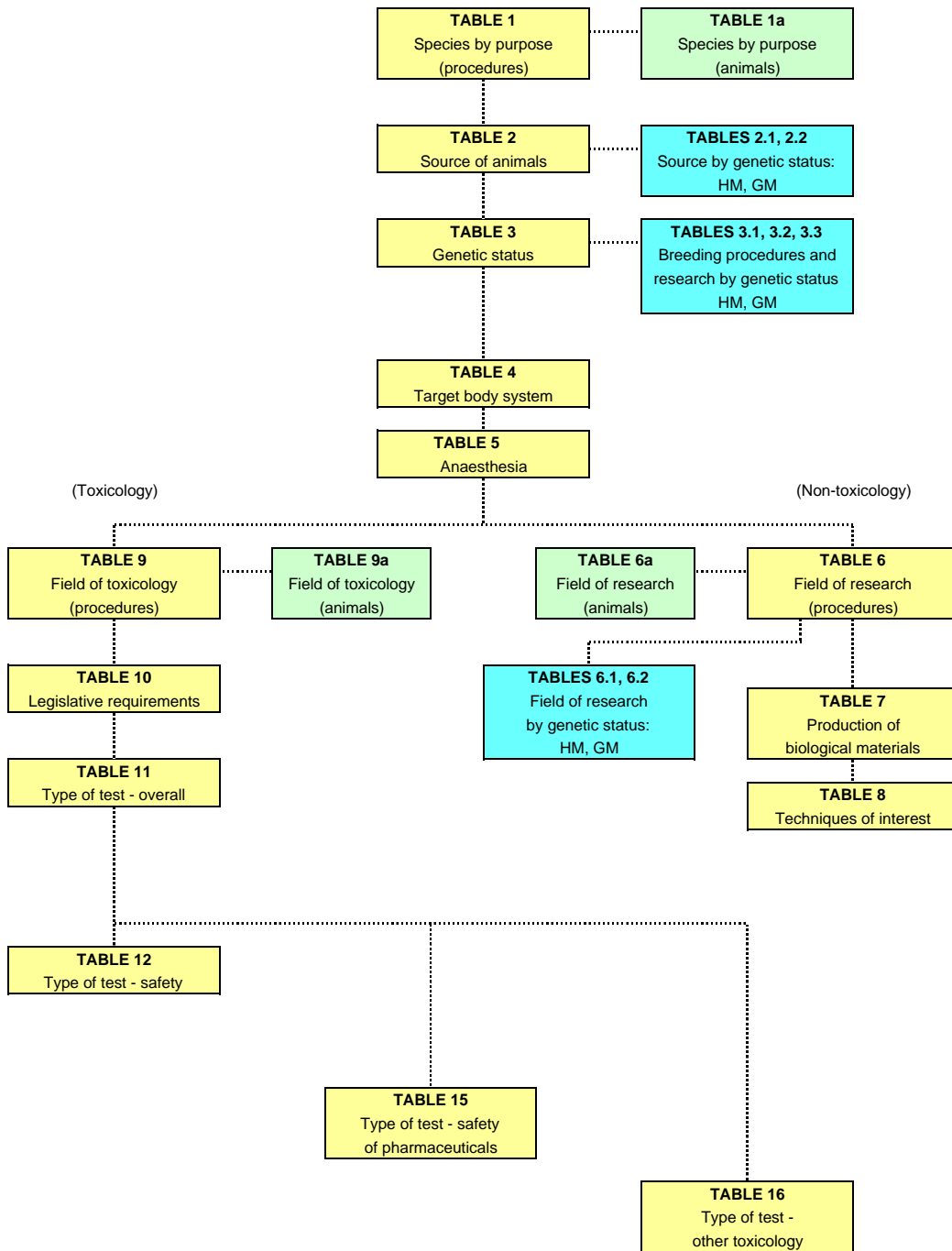
# Supplementary Tables

## Statistics of Scientific Procedures on Living Animals

GREAT BRITAIN  
2008



**Organisation Chart: Relationship between the tables, 2008**



**Notes**

GM = genetically modified

HM = harmful mutant

Counts the number of animals used

Counts the number of procedures conducted

Counts the number of procedures conducted by genetic status of animal



Table 1 Scientific procedures by species of animal and primary purpose of the procedure, page 2 of 2

Great Britain 2008										Number of procedures
Species of animal	Primary purpose of the procedure									Total
	Fundamental biological research	Applied studies - human medicine or dentistry	Applied studies - veterinary medicine	Protection of man, animals or environment	Education	Training	Forensic enquiries	Direct diagnosis	Breeding	
<b>Old World monkey</b>										
Macaque	133	3,737	-	360	-	-	-	-	-	<b>4,230</b>
Baboon	-	-	-	-	-	-	-	-	-	-
Other Old World monkey	-	-	-	-	-	-	-	-	-	-
<b>Ape</b>										
Gibbon	-	-	-	-	-	-	-	-	-	-
Great ape	-	-	-	-	-	-	-	-	-	-
<b>Other mammal</b>	808	-	-	170	-	-	-	-	-	<b>978</b>
<b>Bird</b>										
Domestic fowl ( <i>Gallus domesticus</i> )	12,262	7	95,865	347	154	-	-	1,587	491	<b>110,713</b>
Turkey	649	496	1,337	30	-	-	-	106	-	<b>2,618</b>
Quail ( <i>Coturnix coturnix</i> )	-	-	-	-	-	-	-	-	-	-
Quail (not <i>Coturnix coturnix</i> )	-	-	-	426	-	-	-	-	-	<b>426</b>
Other bird	8,466	-	-	569	-	-	-	467	-	<b>9,502</b>
<b>Reptile</b>										
Any reptilian species	30	-	-	79	-	-	-	-	-	<b>109</b>
<b>Amphibian</b>										
Any amphibian species	17,432	-	-	842	-	-	-	-	14,400	<b>32,674</b>
<b>Fish</b>										
Any fish species	244,850	193,830	8,674	34,493	117	-	-	-	123,191	<b>605,155</b>
<b>Cephalopod</b>										
<i>Octopus vulgaris</i>	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>1,170,662</b>	<b>818,628</b>	<b>136,567</b>	<b>83,584</b>	<b>1,867</b>	<b>777</b>	<b>-</b>	<b>53,114</b>	<b>1,390,881</b>	<b>3,656,080</b>
Increase on 2007	171,780	133,411	-10,411	-67,011	96	90	-32	5,182	221,394	454,499
Percentage change from 2007	17%	19%	-7%	-44%	5%	13%	-100%	11%	19%	14%
Percentage of total for 2008	32%	22%	4%	2%	0%	0%	0%	1%	38%	100%
2007 Totals	998,882	685,217	146,978	150,595	1,771	687	32	47,932	1,169,487	3,201,581



Table 1a Animals used, by species of animal and primary purpose of the procedure, page 2 of 2

Great Britain 2008										Number of animals
Species of animal	Primary purpose of the procedure									Total
	Fundamental biological research	Applied studies human medicine or dentistry	Applied studies veterinary medicine	Protection of man, animals or environment	Education	Training	Forensic enquiries	Direct diagnosis	Breeding	
<b>Old World monkey</b>										
Macaque	122	2,630	-	340	-	-	-	-	-	3,092
Baboon	-	-	-	-	-	-	-	-	-	-
Other Old World monkey	-	-	-	-	-	-	-	-	-	-
<b>Ape</b>										
Gibbon	-	-	-	-	-	-	-	-	-	-
Great ape	-	-	-	-	-	-	-	-	-	-
<b>Other mammal</b>	762	-	-	127	-	-	-	-	-	889
<b>Bird</b>										
Domestic fowl ( <i>Gallus domesticus</i> )	12,238	4	95,865	347	154	-	1,587	491	110,686	
Turkey	649	12	1,337	30	-	-	5	-	2,033	
Quail ( <i>Coturnix coturnix</i> )	-	-	-	-	-	-	-	-	-	
Quail (not <i>Coturnix coturnix</i> )	-	-	-	426	-	-	-	-	426	
Other bird	8,268	-	-	556	-	-	296	-	9,120	
<b>Reptile</b>										
Any reptilian species	30	-	-	79	-	-	-	-	109	
<b>Amphibian</b>										
Any amphibian species	9,703	-	-	842	-	-	-	14,241	24,786	
<b>Fish</b>										
Any fish species	244,538	193,830	8,674	34,493	117	-	-	123,091	604,743	
<b>Cephalopod</b>										
<i>Octopus vulgaris</i>	-	-	-	-	-	-	-	-	-	
<b>Total</b>	<b>1,153,080</b>	<b>801,918</b>	<b>135,127</b>	<b>83,422</b>	<b>1,860</b>	<b>777</b>	<b>-</b>	<b>17,509</b>	<b>1,389,530</b>	<b>3,583,223</b>
Increase on 2007	180,870	132,304	-10,127	-67,065	105	90	-10	2,393	218,837	457,397
Percentage change from 2007	19%	20%	-7%	-45%	6%	13%	-100%	16%	19%	15%
Percentage of total for 2008	32%	22%	4%	2%	0%	0%	0%	0%	39%	100%
2007 Totals	972,210	669,614	145,254	150,487	1,755	687	10	15,116	1,170,693	3,125,826

**Table 2 Scientific procedures by Schedule 2 listed species and source of animals**

Great Britain 2008

Number of procedures

Species of animal	Source							Total
	Animals acquired from within own designated establishment	Animals acquired from another designated breeding or supplying establishment in the UK	Animals acquired from non-designated sources in the UK	Animals acquired from sources within the EU (outside the UK)	Animals acquired from Council of Europe countries who are signatories to ETS123	Animals acquired from other sources	Animals not listed in Schedule 2	
<b>Mouse</b>	1,853,744	549,354	-	5,947	408	9,151	-	<b>2,418,604</b>
<b>Rat</b>	63,920	290,028	22	812	105	483	-	<b>355,370</b>
<b>Guinea pig</b>	496	28,309	-	488	-	-	-	<b>29,293</b>
<b>Hamster</b>	529	1,165	-	1,604	-	-	-	<b>3,298</b>
<b>Gerbil</b>	365	151	-	542	-	34	-	<b>1,092</b>
<b>Rabbit</b>	5,200	8,962	116	2,326	-	456	-	<b>17,060</b>
<b>Cat</b>	126	18	19	163	-	34	-	<b>360</b>
<b>Dog</b>	1,405	3,757	43	90	-	810	-	<b>6,105</b>
<b>Ferret</b>	75	1,042	-	-	-	5	-	<b>1,122</b>
<b>Pig (genetically modified)</b>	68	-	-	-	-	-	-	<b>68</b>
<b>Sheep (genetically modified)</b>	-	-	-	-	-	-	-	<b>-</b>
<b>Primate</b>	297	2,350	-	101	-	1,850	-	<b>4,598</b>
<b>Quail (<i>Coturnix coturnix</i>)</b>	-	-	-	-	-	-	-	<b>-</b>
Animals not listed in Schedule 2	-	-	-	-	-	-	819,110	<b>819,110</b>
<b>Total</b>	<b>1,926,225</b>	<b>885,136</b>	<b>200</b>	<b>12,073</b>	<b>513</b>	<b>12,823</b>	<b>819,110</b>	<b>3,656,080</b>

Note. The total number of procedures using animals listed in schedule 2 was 2,836,970.

**Table 2.1 Scientific procedures by Schedule 2 listed species and source of animals  
(animals with a harmful genetic defect)**

Great Britain 2008								Number of procedures
Species of animal	Source							Total
	Animals acquired from within own designated establishment	Animals acquired from another designated breeding or supplying establishment in the UK	Animals acquired from non-designated sources in the UK	Animals acquired from sources within the EU (outside the UK)	Animals acquired from Council of Europe countries who are signatories to ETS123	Animals acquired from other sources	Animals not listed in schedule 2 <sup>(1)</sup>	
Mouse	288,666	37,421	-	839	-	1,035	-	327,961
Rat	14,579	1,536	-	493	-	6	-	16,614
Guinea pig	-	-	-	-	-	-	-	-
Hamster	-	-	-	-	-	-	-	-
Gerbil	-	-	-	-	-	-	-	-
Rabbit	-	-	-	-	-	-	-	-
Cat	-	-	-	-	-	-	-	-
Dog	-	-	-	-	-	-	-	-
Ferret	-	-	-	-	-	-	-	-
Primate	-	-	-	-	-	-	-	-
Quail ( <i>Coturnix coturnix</i> )	-	-	-	-	-	-	-	-
Animals not listed in Schedule 2	-	-	-	-	-	-	81,064	81,064
<b>Total</b>	<b>303,245</b>	<b>38,957</b>	<b>-</b>	<b>1,332</b>	<b>-</b>	<b>1,041</b>	<b>81,064</b>	<b>425,639</b>

(1) The "animals not listed in Schedule 2" with harmful genetic defects were 396 procedures using domestic fowl, 16,490 procedures using amphibia and 64,178 procedures using fish.

**Table 2.2 Scientific procedures by Schedule 2 listed species and source of animals  
(genetically modified animals)**

Great Britain 2008								Number of procedures
Species of animal	Source							Total
	Animals acquired from within own designated establishment	Animals acquired from another designated breeding or supplying establishment in the UK	Animals acquired from non-designated sources in the UK	Animals acquired from sources within the EU (outside the UK)	Animals acquired from Council of Europe countries who are signatories to ETS123	Animals acquired from other sources	Animals not listed in schedule 2 <sup>(1)</sup>	
Mouse	1,173,678	23,316	-	4,138	235	5,587	-	1,206,954
Rat	5,187	519	-	24	-	3	-	5,733
Guinea pig	-	-	-	-	-	-	-	-
Hamster	-	-	-	-	-	-	-	-
Gerbil	-	-	-	-	-	-	-	-
Rabbit	-	-	-	-	-	-	-	-
Cat	-	-	-	-	-	-	-	-
Dog	-	-	-	-	-	-	-	-
Ferret	-	-	-	-	-	-	-	-
Pig (genetically modified)	68	-	-	-	-	-	-	68
Sheep (genetically modified)	-	-	-	-	-	-	-	-
Primate	-	-	-	-	-	-	-	-
Quail ( <i>Coturnix coturnix</i> )	-	-	-	-	-	-	-	-
Animals not listed in Schedule 2	-	-	-	-	-	-	122,805	122,805
<b>Total</b>	<b>1,178,933</b>	<b>23,835</b>	<b>-</b>	<b>4,162</b>	<b>235</b>	<b>5,590</b>	<b>122,805</b>	<b>1,335,560</b>

(1) The "animals not listed in Schedule 2" with genetic modifications were 309 domestic fowl, 1,666 amphibia and 120,830 fish.

**Table 3 Scientific procedures by species of animal, primary purpose and genetic status**

Great Britain 2008		Number of procedures			
Species of animal	Primary purpose of procedure	Genetic status			Total
		Normal animal	Animal with harmful genetic defect	Genetically modified animal	
<b>Mouse</b>	Fundamental biological research	316,817	57,572	401,357	<b>775,746</b>
	Applied studies	295,445	48,088	29,560	<b>373,093</b>
	Safety	17,391	-	154	<b>17,545</b>
	Other uses	12,378	110	1,210	<b>13,698</b>
	Breeding	241,658	222,191	774,673	<b>1,238,522</b>
	<b>Total</b>	<b>883,689</b>	<b>327,961</b>	<b>1,206,954</b>	<b>2,418,604</b>
<b>Rat</b>	Fundamental biological research	88,635	4,481	3,299	<b>96,415</b>
	Applied studies	215,222	1,460	46	<b>216,728</b>
	Safety	26,275	-	-	<b>26,275</b>
	Other uses	1,903	-	-	<b>1,903</b>
	Breeding	988	10,673	2,388	<b>14,049</b>
	<b>Total</b>	<b>333,023</b>	<b>16,614</b>	<b>5,733</b>	<b>355,370</b>
<b>Guinea pig</b>	Fundamental biological research	1,753	-	-	<b>1,753</b>
	Applied studies	27,254	-	-	<b>27,254</b>
	Safety	-	-	-	<b>-</b>
	Other uses	286	-	-	<b>286</b>
	Breeding	-	-	-	<b>-</b>
	<b>Total</b>	<b>29,293</b>	<b>-</b>	<b>-</b>	<b>29,293</b>
<b>Hamster</b>	Fundamental biological research	1,283	-	-	<b>1,283</b>
	Applied studies	2,015	-	-	<b>2,015</b>
	Safety	-	-	-	<b>-</b>
	Other uses	-	-	-	<b>-</b>
	Breeding	-	-	-	<b>-</b>
	<b>Total</b>	<b>3,298</b>	<b>-</b>	<b>-</b>	<b>3,298</b>
<b>Gerbil</b>	Fundamental biological research	515	-	-	<b>515</b>
	Applied studies	569	-	-	<b>569</b>
	Safety	-	-	-	<b>-</b>
	Other uses	-	-	-	<b>-</b>
	Breeding	8	-	-	<b>8</b>
	<b>Total</b>	<b>1,092</b>	<b>-</b>	<b>-</b>	<b>1,092</b>
<b>Other rodent</b>	Fundamental biological research	416	-	-	<b>416</b>
	Applied studies	235	-	-	<b>235</b>
	Safety	215	-	-	<b>215</b>
	Other uses	-	-	-	<b>-</b>
	Breeding	-	-	-	<b>-</b>
	<b>Total</b>	<b>866</b>	<b>-</b>	<b>-</b>	<b>866</b>
<b>Rabbit</b>	Fundamental biological research	1,157	-	-	<b>1,157</b>
	Applied studies	13,186	-	-	<b>13,186</b>
	Safety	1,632	-	-	<b>1,632</b>
	Other uses	1,085	-	-	<b>1,085</b>
	Breeding	-	-	-	<b>-</b>
	<b>Total</b>	<b>17,060</b>	<b>-</b>	<b>-</b>	<b>17,060</b>
<b>Cat</b>	Fundamental biological research	61	-	-	<b>61</b>
	Applied studies	299	-	-	<b>299</b>
	Safety	-	-	-	<b>-</b>
	Other uses	-	-	-	<b>-</b>
	Breeding	-	-	-	<b>-</b>
	<b>Total</b>	<b>360</b>	<b>-</b>	<b>-</b>	<b>360</b>
<b>Dog - Beagle</b>	Fundamental biological research	5	-	-	<b>5</b>
	Applied studies	5,629	-	-	<b>5,629</b>
	Safety	403	-	-	<b>403</b>
	Other uses	37	-	-	<b>37</b>
	Breeding	-	-	-	<b>-</b>
	<b>Total</b>	<b>6,074</b>	<b>-</b>	<b>-</b>	<b>6,074</b>
<b>Dog - Other</b>	Fundamental biological research	-	-	-	<b>-</b>
	Applied studies	31	-	-	<b>31</b>
	Safety	-	-	-	<b>-</b>
	Other uses	-	-	-	<b>-</b>
	Breeding	-	-	-	<b>-</b>
	<b>Total</b>	<b>31</b>	<b>-</b>	<b>-</b>	<b>31</b>
<b>Ferret</b>	Fundamental biological research	319	-	-	<b>319</b>
	Applied studies	750	-	-	<b>750</b>
	Safety	-	-	-	<b>-</b>
	Other uses	53	-	-	<b>53</b>
	Breeding	-	-	-	<b>-</b>
	<b>Total</b>	<b>1,122</b>	<b>-</b>	<b>-</b>	<b>1,122</b>

<b>Other carnivore</b>	Fundamental biological research	654	-	-	654
	Applied studies	495	-	-	495
	Safety	115	-	-	115
	Other uses	-	-	-	-
	Breeding	-	-	-	-
	<b>Total</b>	<b>1,264</b>	<b>-</b>	<b>-</b>	<b>1,264</b>
<b>Horse, Donkey etc</b>	Fundamental biological research	135	-	-	135
	Applied studies	261	-	-	261
	Safety	-	-	-	-
	Other uses	8,969	-	-	8,969
	Breeding	-	-	-	-
	<b>Total</b>	<b>9,365</b>	<b>-</b>	<b>-</b>	<b>9,365</b>
<b>Pig</b>	Fundamental biological research	1,241	-	-	1,241
	Applied studies	5,376	-	-	5,376
	Safety	73	-	-	73
	Other uses	-	-	-	-
	Breeding	66	-	68	134
	<b>Total</b>	<b>6,756</b>	<b>-</b>	<b>68</b>	<b>6,824</b>
<b>Goat</b>	Fundamental biological research	72	-	-	72
	Applied studies	405	-	-	405
	Safety	10	-	-	10
	Other uses	12	-	-	12
	Breeding	-	-	-	-
	<b>Total</b>	<b>499</b>	<b>-</b>	<b>-</b>	<b>499</b>
<b>Sheep</b>	Fundamental biological research	5,118	-	-	5,118
	Applied studies	3,336	-	-	3,336
	Safety	-	-	-	-
	Other uses	27,280	-	-	27,280
	Breeding	86	-	-	86
	<b>Total</b>	<b>35,820</b>	<b>-</b>	<b>-</b>	<b>35,820</b>
<b>Cattle</b>	Fundamental biological research	986	-	-	986
	Applied studies	1,312	-	-	1,312
	Safety	-	-	-	-
	Other uses	4	-	-	4
	Breeding	-	-	-	-
	<b>Total</b>	<b>2,302</b>	<b>-</b>	<b>-</b>	<b>2,302</b>
<b>Deer</b>	Fundamental biological research	63	-	-	63
	Applied studies	-	-	-	-
	Safety	-	-	-	-
	Other uses	-	-	-	-
	Breeding	-	-	-	-
	<b>Total</b>	<b>63</b>	<b>-</b>	<b>-</b>	<b>63</b>
<b>Other ungulate</b>	Fundamental biological research	-	-	-	-
	Applied studies	-	-	-	-
	Safety	-	-	-	-
	Other uses	-	-	-	-
	Breeding	-	-	-	-
	<b>Total</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>Marmoset, Tamarin</b>	Fundamental biological research	93	-	-	93
	Applied studies	275	-	-	275
	Safety	-	-	-	-
	Other uses	-	-	-	-
	Breeding	-	-	-	-
	<b>Total</b>	<b>368</b>	<b>-</b>	<b>-</b>	<b>368</b>
<b>Macaque</b>	Fundamental biological research	133	-	-	133
	Applied studies	3,737	-	-	3,737
	Safety	360	-	-	360
	Other uses	-	-	-	-
	Breeding	-	-	-	-
	<b>Total</b>	<b>4,230</b>	<b>-</b>	<b>-</b>	<b>4,230</b>
<b>Other mammal</b>	Fundamental biological research	808	-	-	808
	Applied studies	-	-	-	-
	Safety	170	-	-	170
	Other uses	-	-	-	-
	Breeding	-	-	-	-
	<b>Total</b>	<b>978</b>	<b>-</b>	<b>-</b>	<b>978</b>
<b>Domestic fowl</b>	Fundamental biological research	11,833	346	83	12,262
	Applied studies	95,872	-	-	95,872
	Safety	347	-	-	347
	Other uses	1,741	-	-	1,741
	Breeding	215	50	226	491
	<b>Total</b>	<b>110,008</b>	<b>396</b>	<b>309</b>	<b>110,713</b>
<b>Turkey</b>	Fundamental biological research	649	-	-	649
	Applied studies	1,833	-	-	1,833
	Safety	30	-	-	30
	Other uses	106	-	-	106
	Breeding	-	-	-	-
	<b>Total</b>	<b>2,618</b>	<b>-</b>	<b>-</b>	<b>2,618</b>

<b>Quail (<i>Coturnix coturnix</i>)</b>	Fundamental biological research	-	-	-	-
	Applied studies	-	-	-	-
	Safety	-	-	-	-
	Other uses	-	-	-	-
	Breeding	-	-	-	-
<b>Total</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	
<b>Quail (spp. other than <i>Coturnix coturnix</i>)</b>	Fundamental biological research	-	-	-	-
	Applied studies	-	-	-	-
	Safety	426	-	-	426
	Other uses	-	-	-	-
	Breeding	-	-	-	-
<b>Total</b>	<b>426</b>	<b>-</b>	<b>-</b>	<b>426</b>	
<b>Other bird</b>	Fundamental biological research	8,466	-	-	8,466
	Applied studies	-	-	-	-
	Safety	569	-	-	569
	Other uses	467	-	-	467
	Breeding	-	-	-	-
<b>Total</b>	<b>9,502</b>	<b>-</b>	<b>-</b>	<b>9,502</b>	
<b>Reptile</b>	Fundamental biological research	30	-	-	30
	Applied studies	-	-	-	-
	Safety	79	-	-	79
	Other uses	-	-	-	-
	Breeding	-	-	-	-
<b>Total</b>	<b>109</b>	<b>-</b>	<b>-</b>	<b>109</b>	
<b>Amphibian</b>	Fundamental biological research	13,481	3,067	884	17,432
	Applied studies	-	-	-	-
	Safety	842	-	-	842
	Other uses	-	-	-	-
	Breeding	195	13,423	782	14,400
<b>Total</b>	<b>14,518</b>	<b>16,490</b>	<b>1,666</b>	<b>32,674</b>	
<b>Fish</b>	Fundamental biological research	225,731	5,213	13,906	244,850
	Applied studies	156,090	21,604	24,810	202,504
	Safety	34,453	-	40	34,493
	Other uses	117	-	-	117
	Breeding	3,756	37,361	82,074	123,191
<b>Total</b>	<b>420,147</b>	<b>64,178</b>	<b>120,830</b>	<b>605,155</b>	
<b>All species</b>	Fundamental biological research	680,454	70,679	419,529	1,170,662
	Applied studies	829,627	71,152	54,416	955,195
	Safety	83,390	-	194	83,584
	Other uses	54,438	110	1,210	55,758
	Breeding	246,972	283,698	860,211	1,390,881
<b>TOTAL</b>	<b>1,894,881</b>	<b>425,639</b>	<b>1,335,560</b>	<b>3,656,080</b>	

Note. Species not listed had no procedures

**Table 3.1 Procedures using genetically normal animals for the production and breeding of genetically modified or harmful mutant animals**

Great Britain 2008				Number of procedures
Species of animal	Generation of founder genetically modified animals	Normal animals within genetically modified breeding colonies	Normal animals within harmful mutant breeding colonies	Totals
Mouse	100,447	133,581	7,630	241,658
Rat	81	907	-	988
Other rodent	8	-	-	8
Rabbit	-	-	-	-
Cat	-	-	-	-
Dog	-	-	-	-
Ferret	-	-	-	-
Other carnivore	-	-	-	-
Horse and other equids	-	-	-	-
Pig	-	66	-	66
Sheep	86	-	-	86
Other ungulate	-	-	-	-
New World monkey	-	-	-	-
Old World monkey	-	-	-	-
Other mammal	-	-	-	-
Bird	215	-	-	215
Amphibian	195	-	-	195
Reptile	-	-	-	-
Fish	3,520	236	-	3,756
<b>Total</b>	<b>104,552</b>	<b>134,790</b>	<b>7,630</b>	<b>246,972</b>

**Table 3.2 Procedures using harmful mutant animals in breeding procedures or research**

Great Britain 2008							Number of procedures	
Species of animal	Generation of founder animals	Maintenance of breeding colony	Used for further non-regulated scientific purpose <sup>(1)</sup>	Used in further regulated procedures	Used in production and other procedures <sup>(2)</sup>	Used in safety evaluation studies <sup>(3)</sup>	Totals	
Mouse	-	222,191	8,808	64,662	30,377	1,923	<b>327,961</b>	
Rat	-	10,673	1,571	2,801	1,561	8	<b>16,614</b>	
Other rodent	-	-	-	-	-	-	-	
Rabbit	-	-	-	-	-	-	-	
Cat	-	-	-	-	-	-	-	
Dog	-	-	-	-	-	-	-	
Ferret	-	-	-	-	-	-	-	
Other carnivore	-	-	-	-	-	-	-	
Horse and other equids	-	-	-	-	-	-	-	
Other ungulate	-	-	-	-	-	-	-	
New World monkey	-	-	-	-	-	-	-	
Old World monkey	-	-	-	-	-	-	-	
Other mammal	-	-	-	-	-	-	-	
Bird	-	50	346	-	-	-	<b>396</b>	
Amphibian	-	13,423	2,965	-	102	-	<b>16,490</b>	
Reptile	-	-	-	-	-	-	-	
Fish	-	37,361	2,198	24,619	-	-	<b>64,178</b>	
<b>Total</b>	<b>-</b>	<b>283,698</b>	<b>15,888</b>	<b>92,082</b>	<b>32,040</b>	<b>1,931</b>	<b>425,639</b>	

(1) See Annex A of Appendix B

(2) Includes production of various biological materials (codes B50-B56 in Appendix B); also includes procedures not concerned with production (code B79)

(3) Reported using A codes in rows 10-12 (see Appendix B)

**Table 3.3 Procedures using genetically modified animals in breeding procedures or research**

Great Britain 2008							Number of procedures
Species of animal	Generation of founder animals	Maintenance of breeding colony	Used for further non-regulated scientific purpose <sup>(1)</sup>	Used in further regulated procedures	Used in production and other procedures <sup>(2)</sup>	Used in safety evaluation studies <sup>(3)</sup>	Total
Mouse	23,507	751,108	167,898	174,888	86,249	3,304	<b>1,206,954</b>
Rat	-	2,388	2,055	333	946	11	<b>5,733</b>
Other rodent	-	-	-	-	-	-	-
Rabbit	-	-	-	-	-	-	-
Cat	-	-	-	-	-	-	-
Dog	-	-	-	-	-	-	-
Ferret	-	-	-	-	-	-	-
Other carnivore	-	-	-	-	-	-	-
Horse and other equids	-	-	-	-	-	-	-
Pig	-	68	-	-	-	-	<b>68</b>
Sheep	-	-	-	-	-	-	-
Other ungulate	-	-	-	-	-	-	-
New World monkey	-	-	-	-	-	-	-
Old World monkey	-	-	-	-	-	-	-
Other mammal	-	-	-	-	-	-	-
Bird	16	210	-	83	-	-	<b>309</b>
Amphibian	42	740	509	5	370	-	<b>1,666</b>
Reptile	-	-	-	-	-	-	-
Fish	9,570	72,504	9,953	27,027	1,736	40	<b>120,830</b>
<b>Total</b>	<b>33,135</b>	<b>827,018</b>	<b>180,415</b>	<b>202,336</b>	<b>89,301</b>	<b>3,355</b>	<b>1,335,560</b>

(1) See Annex A of Appendix B

(2) Includes production of various biological materials (codes B50-B56 in Appendix B); also includes procedures not concerned with production (code B79)

(3) Reported using A codes in rows 10-12 (see Appendix B)

**Table 4 Scientific procedures by species of animal and target body system**

Great Britain 2008													Number of procedures	
Species of animal	Body systems												Total	
	Respiratory	Cardiovascular	Nervous	Senses	Alimentary	Skin	Musculo - skeletal	Reproductive	Immune and reticulo - endothelial	Other system	Multiple systems	System not relevant		
<b>Mammal</b>														
Mouse	43,266	70,176	259,989	28,297	58,847	43,257	44,786	188,840	432,785	61,678	545,852	640,831	<b>2,418,604</b>	
Rat	34,832	20,605	101,920	3,290	9,646	3,086	2,221	29,467	10,879	15,021	68,873	55,530	<b>355,370</b>	
Other rodent	17,312	957	1,854	421	664	99	36	15	4,983	229	4,924	3,055	<b>34,549</b>	
Rabbit	33	662	118	111	162	782	347	3,839	1,385	506	8,202	913	<b>17,060</b>	
Cat	-	10	117	18	46	12	-	-	8	-	97	52	<b>360</b>	
Dog	234	542	16	-	58	-	31	-	6	52	2,759	2,407	<b>6,105</b>	
Ferret	414	32	53	72	-	-	-	-	231	-	286	34	<b>1,122</b>	
Other carnivore	-	45	-	-	-	-	-	-	-	-	495	724	<b>1,264</b>	
Horse and other equids	89	91	91	-	-	-	28	5	28	6,543	64	2,426	<b>9,365</b>	
Pig	176	174	108	29	826	191	21	36	3,182	218	742	1,121	<b>6,824</b>	
Sheep	105	66	528	-	545	82	374	1,775	1,046	25,711	3,850	1,738	<b>35,820</b>	
Other ungulate	505	1	15	-	300	30	-	242	583	-	1,044	144	<b>2,864</b>	
<b>Primate</b>														
New World monkey	-	34	40	6	-	-	-	29	24	-	95	140	<b>368</b>	
Old World monkey	60	109	152	8	-	-	-	10	16	4	1,566	2,305	<b>4,230</b>	
Other mammal	-	10	-	5	-	319	-	-	-	480	-	164	<b>978</b>	
<b>Bird</b>	854	4,438	1,859	878	5,239	890	215	238	3,444	87,545	9,214	8,445	<b>123,259</b>	
<b>Reptile, amphibian</b>	-	96	90	37	-	374	783	27,567	-	46	271	3,519	<b>32,783</b>	
<b>Fish</b>	562	5,249	74,279	9,373	132,944	8,009	46,859	54,502	2,438	8,392	105,212	157,336	<b>605,155</b>	
<b>Total</b>	<b>98,442</b>	<b>103,297</b>	<b>441,229</b>	<b>42,545</b>	<b>209,277</b>	<b>57,131</b>	<b>95,701</b>	<b>306,565</b>	<b>461,038</b>	<b>206,425</b>	<b>753,546</b>	<b>880,884</b>	<b>3,656,080</b>	

Table 5 Scientific procedures by species of animal and level of anaesthesia

Great Britain 2008						Number of procedures
Species of animal	No anaesthesia	Type of anaesthesia				Total
		General anaesthesia, with recovery	Local anaesthesia	General anaesthesia at end of procedure, without recovery	General anaesthesia throughout, without recovery	
<b>Mammal</b>						
<b>Mouse</b>	1,668,305	361,473	265,323	83,518	39,985	<b>2,418,604</b>
<b>Rat</b>	178,907	111,423	1,176	32,490	31,374	<b>355,370</b>
<b>Other rodent</b>	11,482	15,184	346	5,769	1,768	<b>34,549</b>
<b>Rabbit</b>	13,909	456	234	1,045	1,416	<b>17,060</b>
<b>Cat</b>	208	125	-	-	27	<b>360</b>
<b>Dog</b>	4,646	322	499	384	254	<b>6,105</b>
<b>Ferret</b>	253	782	-	41	46	<b>1,122</b>
<b>Other carnivore</b>	181	1,065	-	-	18	<b>1,264</b>
<b>Horse and other equids</b>	259	32	9,074	-	-	<b>9,365</b>
<b>Pig</b>	5,584	765	29	130	316	<b>6,824</b>
<b>Sheep</b>	34,162	1,410	152	96	-	<b>35,820</b>
<b>Other ungulate</b>	2,739	23	82	12	8	<b>2,864</b>
<b>Primate</b>						
New World monkey	280	58	-	-	30	<b>368</b>
Old World monkey	3,849	313	-	56	12	<b>4,230</b>
<b>Other mammal</b>	841	91	46	-	-	<b>978</b>
<b>Bird</b>	39,077	700	-	82,765	717	<b>123,259</b>
<b>Reptile, amphibian</b>	31,512	1,098	-	30	143	<b>32,783</b>
<b>Fish</b>	381,597	133,149	42	89,794	573	<b>605,155</b>
<b>Total</b>	<b>2,377,791</b>	<b>628,469</b>	<b>277,003</b>	<b>296,130</b>	<b>76,687</b>	<b>3,656,080</b>

Note. Neuromuscular blocking agents (NMBA) were used in 4,400 procedures in 2008. All of these procedures involved the use of general anaesthesia.



Table 6 Scientific procedures (non-toxicology) by species of animal and field of research, page 2 of 4

Great Britain 2008											Number of procedures		
Species of animal	Field of research												
	Anatomy	Physiology	Biochemistry	Psychology	Pathology	Immunology	Microbiology	Parasitology	Pharmacology	Pharmaceutical R&D	Therapeutics	Clinical medicine	Clinical surgery
<b>Old World monkey</b>													
Macaque	2	57	-	9	-	26	75	-	-	545	-	-	-
Baboon	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Old World monkey	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Ape</b>													
Gibbon	-	-	-	-	-	-	-	-	-	-	-	-	-
Great ape	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Other mammal</b>	-	-	-	-	649	-	-	-	-	-	-	-	-
<b>Bird</b>													
Domestic fowl ( <i>Gallus domesticus</i> )	1,166	772	142	946	1,262	4,519	7,648	84,629	-	153	152	-	-
Turkey	-	-	-	-	440	-	366	1028	-	664	-	-	-
Quail ( <i>Coturnix coturnix</i> )	-	-	-	-	-	-	-	-	-	-	-	-	-
Quail (spp. other than <i>Coturnix coturnix</i> )	-	-	-	-	-	-	-	-	-	-	-	-	-
Other bird	7	66	-	492	-	457	213	-	-	-	-	-	-
<b>Reptile</b>													
Any reptilian species	-	30	-	-	-	-	-	-	-	-	-	-	-
<b>Amphibian</b>													
Any amphibian species	12,192	681	742	-	-	52	1,189	1,285	40	-	-	-	-
<b>Fish</b>													
Any fish species	107,757	140,517	-	2,178	1,221	2,418	5,067	6,240	-	104,543	228	-	-
<b>Cephalopod</b>													
Octopus vulgaris	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>345,243</b>	<b>440,366</b>	<b>32,651</b>	<b>51,167</b>	<b>67,551</b>	<b>445,770</b>	<b>95,028</b>	<b>122,082</b>	<b>58,510</b>	<b>389,277</b>	<b>27,211</b>	<b>15,486</b>	<b>2,835</b>
Increase on 2007	53,492	157,939	-4,437	5,876	18,561	-14,399	410	-502	3,446	39,863	6,507	672	821
Percentage change from 2007	18%	56%	-12%	13%	38%	-3%	0%	-0%	6%	11%	31%	5%	41%
Percentage of total for 2008	11%	14%	1%	2%	2%	14%	3%	4%	2%	12%	1%	0%	0%
2007 Totals	291,751	282,427	37,088	45,291	48,990	460,169	94,618	122,584	55,064	349,414	20,704	14,814	2,014

Table 6 Scientific procedures (non-toxicology) by species of animal and field of research, page 3 of 4

Great Britain 2008													Number of procedures	
Species of animal	Field of research													Total
	Dentistry	Genetics	Molecular biology	Cancer research	Nutrition	Zoology	Botany	Animal science	Ecology	Animal welfare	Other	Tobacco (1)	Alcohol	
<b>Mammal</b>														
Mouse	-	234,176	157,364	377,903	2,701	-	-	7,018	-	99	143,774	-	83	2,228,775
Rat	-	2,305	2,683	5,283	3,605	-	2	-	-	138	4,309	-	114	235,528
Guinea pig	-	-	-	-	-	-	-	80	-	-	-	-	-	22,120
Hamster	-	-	-	-	64	319	-	-	-	-	-	-	-	1,839
Gerbil	-	-	-	163	-	-	-	-	-	-	-	-	-	1,092
Other rodent	-	-	-	-	-	257	-	-	-	24	-	-	-	675
Rabbit	31	-	-	-	-	-	-	-	-	-	18	-	-	4,299
Cat	-	-	-	-	83	-	-	-	-	-	18	-	-	314
<b>Dog</b>														
Beagle	-	-	-	50	108	-	-	-	-	-	37	-	-	908
Greyhound	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other including cross-bred dogs	-	-	-	-	-	-	-	-	-	-	-	-	-	31
Ferret	-	-	-	-	-	-	-	-	-	-	-	-	-	908
Other carnivore	-	-	-	-	-	216	-	-	460	-	-	-	-	856
Horse and other equids	-	4	-	-	-	-	-	-	-	-	-	-	-	9,343
Pig	-	-	-	-	-	-	-	474	-	348	11	-	-	4,822
Goat	-	-	-	-	-	-	-	-	-	-	-	-	-	489
Sheep	-	695	-	-	441	-	-	2,908	-	37	-	-	-	35,468
Cattle	-	-	-	-	110	-	-	177	-	-	-	-	-	1,312
Deer	-	63	-	-	-	-	-	-	-	-	-	-	-	63
Camelid	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other ungulate	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Primate</b>														
Prosimian	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>New World monkey</b>														
marmoset, tamarin	-	-	12	-	-	-	-	-	-	-	-	-	-	235
Squirrel, owl, spider monkey	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other New World monkey	-	-	-	-	-	-	-	-	-	-	-	-	-	-

(1) Following a decision in 1997, procedures using animals in research on tobacco have not been allowed.

Table 6 Scientific procedures (non-toxicology) by species of animal and field of research, page 4 of 4

Species of animal	Field of research													Total
	Dentistry	Genetics	Molecular biology	Cancer research	Nutrition	Zoology	Botany	Animal science	Ecology	Animal welfare	Other	Tobacco (1)	Alcohol	
<b>Old World monkey</b>														
Macaque	-	-	-	-	-	-	-	-	-	-	-	-	-	714
Baboon	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Old World monkey	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Ape</b>														
Gibbon	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Great ape	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Other mammal</b>	-	6	44	-	-	-	-	-	279	-	-	-	-	978
<b>Bird</b>														
Domestic fowl ( <i>Gallus domesticus</i> )	-	-	-	-	856	-	-	464	-	822	-	-	-	103,531
Turkey	-	-	-	-	-	-	-	-	-	-	-	-	-	2,498
Quail ( <i>Coturnix coturnix</i> )	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Quail (spp. other than <i>Coturnix coturnix</i> )	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other bird	-	-	-	-	-	4,939	-	4	3,043	-	-	-	-	9,221
<b>Reptile</b>														
Any reptilian species	-	-	-	-	-	-	-	-	79	-	-	-	-	109
<b>Amphibian</b>														
Any amphibian species	-	13,756	129	1,474	-	46	5	-	1,083	-	-	-	-	32,674
<b>Fish</b>														
Any fish species	-	48,543	320	5,524	2,250	912	-	-	22,286	-	23,224	-	-	473,228
<b>Cephalopod</b>														
Octopus vulgaris	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>31</b>	<b>299,548</b>	<b>160,552</b>	<b>390,397</b>	<b>10,218</b>	<b>6,689</b>	<b>7</b>	<b>11,125</b>	<b>27,230</b>	<b>1,468</b>	<b>171,391</b>	<b>-</b>	<b>197</b>	<b>3,172,030</b>
Increase on 2007	11	76,133	5,236	54,304	-1,875	2,074	-71	2,374	-63,189	-205	43,813	-	-46	386,808
Percentage change from 2007	55%	34%	3%	16%	-16%	45%	-91%	27%	-70%	-12%	34%	N/A	-19%	14%
Percentage of total for 2008	0%	9%	5%	12%	0%	0%	0%	0%	1%	0%	5%	0%	0%	100%
2007 Totals	20	223,415	155,316	336,093	12,093	4,615	78	8,751	90,419	1,673	127,578	-	243	2,785,222

(1) Following a decision in 1997, procedures using animals in research on tobacco have not been allowed.

N/A = Not applicable



Table 6a Animals used (non-toxicology), by species of animal and field of research, page 2 of 4

Great Britain 2008												Number of animals	
Species of animal	Field of research												
	Anatomy	Physiology	Biochemistry	Psychology	Pathology	Immunology	Microbiology	Parasitology	Pharmacology	Pharmaceutical R&D	Therapeutics	Clinical medicine	Clinical surgery
<b>Old World monkey</b>													
Macaque	2	55	-	9	-	25	65	-	-	16	-	-	-
Baboon	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Old World monkey	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Ape</b>													
Gibbon	-	-	-	-	-	-	-	-	-	-	-	-	-
Great ape	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Other mammal</b>	-	-	-	-	606	-	-	-	-	-	-	-	-
<b>Bird</b>													
Domestic fowl (Gallus domesticus)	1,166	772	142	946	1,262	4,495	7,648	84,629	-	150	152	-	-
Turkey	-	-	-	-	440	-	222	1,028	-	223	-	-	-
Quail (Coturnix coturnix)	-	-	-	-	-	-	-	-	-	-	-	-	-
Quail (spp.other than Coturnix coturnix)	-	-	-	-	-	-	-	-	-	-	-	-	-
Other bird	7	56	-	406	-	286	213	-	-	-	-	-	-
<b>Reptile</b>													
Any reptilian species	-	30	-	-	-	-	-	-	-	-	-	-	-
<b>Amphibian</b>													
Any amphibian species	6,563	199	280	-	-	52	1,189	1,285	40	-	-	-	-
<b>Fish</b>													
Any fish species	107,657	140,517	-	2,178	1,221	2,418	5,067	6,240	-	104,543	228	-	-
<b>Cephalopod</b>													
Octopus vulgaris	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>338,907</b>	<b>438,324</b>	<b>31,982</b>	<b>50,253</b>	<b>64,998</b>	<b>443,097</b>	<b>59,521</b>	<b>121,483</b>	<b>57,818</b>	<b>380,105</b>	<b>27,211</b>	<b>15,263</b>	<b>2,835</b>

Table 6a Animals used (non-toxicology), by species of animal and field of research, page 3 of 4

Great Britain 2008													Number of animals	
Species of animal	Field of research												Total	
	Dentistry	Genetics	Molecular biology	Cancer research	Nutrition	Zoology	Botany	Animal science	Ecology	Animal welfare	Other	Tobacco(1)		Alcohol
<b>Mammal</b>														
Mouse	-	234,073	157,340	376,374	2,701	-	-	7,018	-	99	143,774	-	83	2,218,167
Rat	-	2,305	2,683	5,259	3,605	-	2	-	-	138	4,309	-	114	228,181
Guinea pig	-	-	-	-	-	-	-	80	-	-	-	-	-	22,077
Hamster	-	-	-	-	64	51	-	-	-	-	-	-	-	1,384
Gerbil	-	-	-	163	-	-	-	-	-	-	-	-	-	1,092
Other rodent	-	-	-	-	-	257	-	-	-	24	-	-	-	675
Rabbit	31	-	-	-	-	-	-	-	-	-	14	-	-	4,072
Cat	-	-	-	-	10	-	-	-	-	-	-	-	-	130
Dog														
Beagle	-	-	-	2	39	-	-	-	-	-	11	-	-	361
Greyhound	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other including cross-bred dogs	-	-	-	-	-	-	-	-	-	-	-	-	-	31
Ferret	-	-	-	-	-	-	-	-	-	-	-	-	-	908
Other carnivore	-	-	-	-	-	69	-	-	460	-	-	-	-	625
Horse and other equids	-	4	-	-	-	-	-	-	-	-	-	-	-	231
Pig	-	-	-	-	-	-	-	474	-	348	11	-	-	4,782
Goat	-	-	-	-	-	-	-	-	-	-	-	-	-	473
Sheep	-	695	-	-	431	-	-	2,876	-	37	-	-	-	8,832
Cattle	-	-	-	-	104	-	-	116	-	-	-	-	-	1,157
Deer	-	63	-	-	-	-	-	-	-	-	-	-	-	63
Camelid	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other ungulate	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Primate														
Prosimian	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>New World monkey</b>														
marmoset, tamarin	-	-	-	-	-	-	-	-	-	-	-	-	-	139
Squirrel, owl, spider monkey	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other New World monkey	-	-	-	-	-	-	-	-	-	-	-	-	-	-

(1) Following a decision in 1997, procedures using animals in research on tobacco have not been allowed.

Table 6a Animals used (non-toxicology), by species of animal and field of research, page 4 of 4

Great Britain 2008													Number of animals	
Species of animal	Field of research												Total	
	Dentistry	Genetics	Molecular biology	Cancer research	Nutrition	Zoology	Botany	Animal science	Ecology	Animal welfare	Other	Tobacco(1)		Alcohol
<b>Old World monkey</b>														
Macaque	-	-	-	-	-	-	-	-	-	-	-	-	-	172
Baboon	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Old World monkey	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Ape</b>														
Gibbon	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Great ape	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Other mammal</b>	-	6	44	-	-	-	-	-	233	-	-	-	-	889
<b>Bird</b>														
Domestic fowl ( <i>Gallus domesticus</i> )	-	-	-	-	856	-	-	464	-	822	-	-	-	103,504
Turkey	-	-	-	-	-	-	-	-	-	-	-	-	-	1,913
Quail ( <i>Coturnix coturnix</i> )	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Quail (spp,other than <i>Coturnix coturnix</i> )	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other bird	-	-	-	-	-	4,837	-	4	3,043	-	-	-	-	8,852
<b>Reptile</b>														
Any reptilian species	-	-	-	-	-	-	-	-	79	-	-	-	-	109
<b>Amphibian</b>														
Any amphibian species	-	13,619	74	351	-	46	5	-	1,083	-	-	-	-	24,786
<b>Fish</b>														
Any fish species	-	48,543	320	5,524	1,998	852	-	-	22,286	-	23,224	-	-	472,816
<b>Cephalopod</b>														
Octopus vulgaris	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>31</b>	<b>299,308</b>	<b>160,461</b>	<b>387,673</b>	<b>9,808</b>	<b>6,112</b>	<b>7</b>	<b>11,032</b>	<b>27,184</b>	<b>1,468</b>	<b>171,343</b>	<b>-</b>	<b>197</b>	<b>3,106,421</b>

(1) Following a decision in 1997, procedures using animals in research on tobacco have not been allowed

**Table 6.1 Scientific procedures (non-toxicology) by species of animal and field of research**  
(animals with a harmful genetic defect)

Great Britain 2008													Number of procedures	
Species of animal	Field of research													
	Anatomy	Physiology	Biochemistry	Psychology	Pathology	Immunology	Microbiology	Parasitology	Pharmacology	Pharmaceutical R&D	Therapeutics	Clinical medicine	Clinical surgery	
<b>Mammal</b>														
<b>Mouse</b>	7,266	70,526	716	338	2,667	21,482	365	346	360	2,501	1,096	899	-	
<b>Rat</b>	1,522	2,056	79	430	4	1,169	-	-	-	1,890	-	2,003	-	
<b>Other rodent</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Rabbit</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Cat</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Dog</b>														
Other including cross-bred dogs	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Other mammal</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Bird</b>														
Domestic fowl ( <i>Gallus domesticus</i> )	396	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Amphibian</b>														
Any amphibian species	3,067	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Fish</b>														
Any fish species	19,246	255	-	-	-	4	-	-	-	21,644	-	-	-	
<b>Total</b>	<b>31,497</b>	<b>72,837</b>	<b>795</b>	<b>768</b>	<b>2,671</b>	<b>22,655</b>	<b>365</b>	<b>346</b>	<b>360</b>	<b>26,035</b>	<b>1,096</b>	<b>2,902</b>	<b>-</b>	

Table 6.1 (Continued)

Great Britain 2008														Number of procedures	
Species of animal	Field of research													Total	
	Dentistry	Genetics	Molecular biology	Cancer research	Nutrition	Zoology	Botany	Animal science	Ecology	Animal welfare	Other	Tobacco(1)	Alcohol		
<b>Mammal</b>															
<b>Mouse</b>	-	49,601	6,368	103,336	419	-	-	-	-	26	57,726	-	-	<b>326,038</b>	
<b>Rat</b>	-	1,448	111	2,860	-	-	-	-	-	-	3,034	-	-	<b>16,606</b>	
<b>Other rodent</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Rabbit</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Cat</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Dog</b>															
Other including cross-bred dogs	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Other mammal</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Bird</b>															
Domestic fowl ( <i>Gallus domesticus</i> )	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>396</b>	
<b>Amphibian</b>															
Any amphibian species	-	13,423	-	-	-	-	-	-	-	-	-	-	-	<b>16,490</b>	
<b>Fish</b>															
Any fish species	-	22,288	320	421	-	-	-	-	-	-	-	-	-	<b>64,178</b>	
<b>Total</b>	<b>-</b>	<b>86,760</b>	<b>6,799</b>	<b>106,617</b>	<b>419</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>26</b>	<b>60,760</b>	<b>-</b>	<b>-</b>	<b>423,708</b>	

(1) Following a decision in 1997, procedures using animals in research on tobacco have not been allowed.

**Table 6.2 Scientific procedures (non-toxicology) by species of animal and field of research**  
(genetically modified animals)

Great Britain 2008													Number of procedures	
Species of animal	Field of research													
	Anatomy	Physiology	Biochemistry	Psychology	Pathology	Immunology	Microbiology	Parasitology	Pharmacology	Pharmaceutical R&D	Therapeutics	Clinical medicine	Clinical surgery	
<b>Mammal</b>														
<b>Mouse</b>	129,572	137,717	21,864	21,694	33,086	283,003	9,280	723	14,213	44,934	7,448	4,508	58	
<b>Rat</b>	1,696	2,146	-	31	7	132	-	-	8	-	97	-	2	
<b>Other rodent</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Rabbit</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Cat</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Dog</b>														
Other including cross-bred dogs	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Pig</b>	68	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Bird</b>														
Domestic fowl ( <i>Gallus domesticus</i> )	81	-	-	-	-	-	83	-	-	-	145	-	-	
<b>Reptile</b>														
Any reptilian species	-	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Amphibian</b>														
Any amphibian species	1,666	-	-	-	-	-	-	-	-	-	-	-	-	
<b>Fish</b>														
Any fish species	81,808	1,992	-	-	-	913	-	-	-	27,980	40	-	-	
<b>Total</b>	<b>214,891</b>	<b>141,855</b>	<b>21,864</b>	<b>21,725</b>	<b>33,093</b>	<b>284,048</b>	<b>9,363</b>	<b>723</b>	<b>14,221</b>	<b>72,914</b>	<b>7,730</b>	<b>4,508</b>	<b>60</b>	

**Table 6.2 (Continued)**

Great Britain 2008													Number of procedures	
Species of animal	Field of research													Total
	Dentistry	Genetics	Molecular biology	Cancer research	Nutrition	Zoology	Botany	Animal science	Ecology	Animal welfare	Other	Tobacco(1)	Alcohol	
<b>Mammal</b>														
<b>Mouse</b>	-	103,440	118,290	192,412	469	-	-	6,409	-	-	74,511	-	19	<b>1,203,650</b>
<b>Rat</b>	-	785	754	-	-	-	-	-	-	-	64	-	-	<b>5,722</b>
<b>Other rodent</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Rabbit</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Cat</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Dog</b>														
Other including cross-bred dogs	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Pig</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>68</b>
<b>Bird</b>														
Domestic fowl ( <i>Gallus domesticus</i> )	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>309</b>
<b>Reptile</b>														
Any reptilian species	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Amphibian</b>														
Any amphibian species	-	-	-	-	-	-	-	-	-	-	-	-	-	<b>1,666</b>
<b>Fish</b>														
Any fish species	-	2,957	-	5,100	-	-	-	-	-	-	-	-	-	<b>120,790</b>
<b>Total</b>	<b>-</b>	<b>107,182</b>	<b>119,044</b>	<b>197,512</b>	<b>469</b>	<b>-</b>	<b>-</b>	<b>6,409</b>	<b>-</b>	<b>-</b>	<b>74,575</b>	<b>-</b>	<b>19</b>	<b>1,332,205</b>

(1) Following a decision in 1997, procedures using animals in research on tobacco have not been allowed.

**Table 7 Scientific procedures (non-toxicology) by species of animal and production of biological materials**

Great Britain 2008								Number of procedures	
Species of animal	Production							Other <sup>(1)</sup>	Total
	Infectious agents	Vectors	Neoplasms	Monoclonal antibodies (ascites model)	Monoclonal antibodies (initial immunisation)	Polyclonal antibodies	Other biological materials		
<b>Mammal</b>									
<b>Mouse</b>	26,325	5,351	10,534	-	3,675	3,045	97,658	2,082,187	<b>2,228,775</b>
<b>Rat</b>	1,095	288	407	-	247	37	17,767	215,687	<b>235,528</b>
<b>Other rodent</b>	874	577	-	-	-	95	457	23,723	<b>25,726</b>
<b>Rabbit</b>	-	66	-	-	51	1,302	321	2,559	<b>4,299</b>
<b>Cat</b>	-	-	-	-	-	-	-	314	<b>314</b>
<b>Dog</b>	-	-	-	-	-	-	299	640	<b>939</b>
<b>Ferret</b>	19	-	-	-	-	119	507	263	<b>908</b>
<b>Other carnivore</b>	-	-	-	-	-	-	45	811	<b>856</b>
<b>Horse and other equids</b>	-	-	-	-	-	-	6,570	2,773	<b>9,343</b>
<b>Other ungulate</b>	306	7	-	-	27	751	26,688	14,375	<b>42,154</b>
<b>Primate</b>									
New World monkey	-	-	-	-	-	-	44	191	<b>235</b>
Old World monkey	-	-	-	-	-	-	481	233	<b>714</b>
<b>Other mammal</b>	-	-	-	-	-	-	-	978	<b>978</b>
<b>Bird</b>	84,837	-	-	-	-	688	3,216	26,509	<b>115,250</b>
<b>Reptile, amphibian</b>	-	-	-	-	-	-	7,868	24,915	<b>32,783</b>
<b>Fish</b>	7,947	-	1,303	-	-	58	7,603	456,317	<b>473,228</b>
<b>Total</b>	<b>121,403</b>	<b>6,289</b>	<b>12,244</b>	<b>-</b>	<b>4,000</b>	<b>6,095</b>	<b>169,524</b>	<b>2,852,475</b>	<b>3,172,030</b>

(1) Includes breeding procedures which are now detailed in Tables 3.1 - 3.3

Table 8 Scientific procedures (non-toxicology) by species of animal and techniques of particular interest

Great Britain 2008										Number of procedures	
Species of animal	Techniques of particular interest									All other techniques	Total
	Interference with organs of special sense	Injection into brain	Interference with brain	Psychological stress	Aversive training	Radiation	Inhalation	Thermal injury	Physical trauma		
<b>Mammal</b>											
Mouse	14,827	14,319	6,024	2,295	2,273	17,087	33,839	-	4,492	2,133,619	2,228,775
Rat	9,304	63	13,229	866	3,272	270	20,193	-	7,740	180,591	235,528
Other rodent	310	408	536	-	-	-	11,124	-	114	13,234	25,726
Rabbit	93	10	14	-	-	-	-	-	-	4,182	4,299
Cat	18	-	-	-	-	-	-	-	-	296	314
Dog	-	-	-	-	-	-	-	-	-	939	939
Ferret	79	-	-	-	-	-	-	-	-	829	908
Other carnivore	-	-	-	-	-	-	-	-	-	856	856
Horse and other equids	-	-	-	-	-	-	7	-	-	9,336	9,343
Other ungulate	77	170	105	31	-	-	50	-	80	41,641	42,154
<b>Primate</b>											
New World monkey	6	-	40	-	-	-	12	-	-	177	235
Old World monkey	8	-	54	-	-	-	-	-	-	652	714
Other mammal	5	-	-	-	-	-	-	-	-	973	978
<b>Bird</b>											
Bird	-	110	4	-	900	-	86	-	-	114,150	115,250
<b>Reptile, amphibian</b>											
Reptile, amphibian	37	-	-	-	-	-	-	-	-	32,746	32,783
<b>Fish</b>											
Fish	170	-	-	-	72	-	-	-	425	472,561	473,228
<b>Total</b>	<b>24,934</b>	<b>15,080</b>	<b>20,006</b>	<b>3,192</b>	<b>6,517</b>	<b>17,357</b>	<b>65,311</b>	<b>-</b>	<b>12,851</b>	<b>3,006,782</b>	<b>3,172,030</b>

Table 9 Scientific procedures (toxicology) by species of animal and toxicological purpose, page 1 of 4

Great Britain 2008	Number of procedures							
Species of animal	Toxicology or other safety/efficacy evaluation							
	General safety/efficacy evaluation							
	Pollution	Agriculture	Industry	Household	Food additives	Other foodstuffs	Finished cosmetics(2)	Cosmetics ingredients(2)
<b>Mammal</b>								
Mouse	533	1,803	5,351	132	106	7,550	-	-
Rat	51	11,131	10,533	-	259	12	-	-
Guinea pig	-	-	-	-	-	-	-	-
Hamster	-	-	-	-	-	-	-	-
Gerbil	-	-	-	-	-	-	-	-
Other rodent	-	164	-	-	-	-	-	-
Rabbit	-	330	1,241	-	6	-	-	-
Cat	-	-	-	-	-	-	-	-
<b>Dog</b>								
Beagle	-	116	8	-	-	32	-	-
Greyhound	-	-	-	-	-	-	-	-
Other including cross-bred dogs	-	-	-	-	-	-	-	-
<b>Ferret</b>	-	-	-	-	-	-	-	-
<b>Other carnivore</b>	-	-	-	-	-	-	-	-
<b>Horse, donkey and cross-bred equids</b>	-	-	-	-	-	-	-	-
<b>Pig</b>	-	62	-	-	-	-	-	-
<b>Goat</b>	-	10	-	-	-	-	-	-
<b>Sheep</b>	-	-	-	-	-	-	-	-
<b>Cattle</b>	-	-	-	-	-	-	-	-
<b>Deer</b>	-	-	-	-	-	-	-	-
<b>Camelid</b>	-	-	-	-	-	-	-	-
<b>Other ungulate</b>	-	-	-	-	-	-	-	-
<b>Primate</b>								
Prosimian	-	-	-	-	-	-	-	-
<b>New World monkey</b>								
marmoset, tamarin	-	-	-	-	-	-	-	-
Squirrel, owl, spider monkey	-	-	-	-	-	-	-	-
Other New World monkey	-	-	-	-	-	-	-	-

(2) Following a decision in 1998, procedures using animals in research on finished cosmetics and on cosmetic ingredients have not been allowed.

Table 9 Scientific procedures (toxicology) by species of animal and toxicological purpose, page 2 of 4

Great Britain 2008	Number of procedures							
Species of animal	Toxicology or other safety/efficacy evaluation							
	General safety/efficacy evaluation							
	Pollution	Agriculture	Industry	Household	Food additives	Other foodstuffs	Finished cosmetics(2)	Cosmetics ingredients(2)
<b>Old World monkey</b>								
Macaque	-	-	-	-	-	-	-	-
Baboon	-	-	-	-	-	-	-	-
Other Old World monkey	-	-	-	-	-	-	-	-
<b>Ape</b>								
Gibbon	-	-	-	-	-	-	-	-
Great Ape	-	-	-	-	-	-	-	-
<b>Other mammal</b>	-	-	-	-	-	-	-	-
<b>Bird</b>								
Domestic fowl (Gallus domesticus)	-	319	28	-	-	-	-	-
Turkey	-	30	-	-	-	-	-	-
Quail (Coturnix coturnix)	-	-	-	-	-	-	-	-
Quail (spp,other than Coturnix coturnix)	-	424	2	-	-	-	-	-
Other bird	-	281	-	-	-	-	-	-
<b>Reptile</b>								
Any reptilian species	-	-	-	-	-	-	-	-
<b>Amphibian</b>								
Any amphibian species	-	-	-	-	-	-	-	-
<b>Fish</b>								
Any fish species	10,432	2,464	6,349	-	-	-	-	-
<b>Cephalopod</b>								
Octopus vulgaris	-	-	-	-	-	-	-	-
<b>Total</b>	<b>11,016</b>	<b>17,134</b>	<b>23,512</b>	<b>132</b>	<b>371</b>	<b>7,594</b>	<b>-</b>	<b>-</b>
Increase on 2007	-6,878	128	-5,446	131	-395	-786	-	-
Percentage change from 2007	-38%	1%	-19%	0%	-52%	-9%	N/A	N/A
Percentage of total for 2008	2%	4%	5%	0%	0%	2%	0%	0%
2007 Totals	17,894	17,006	28,958	1	766	8,380	-	-

N/A = Not applicable

Table 9 Scientific procedures (toxicology) by species of animal and toxicological purpose, page 3 of 4

Species of animal	Toxicology or other safety/efficacy evaluation									Total
	Pharmaceutical safety/efficacy evaluation				Other purposes					
	Safety testing	Efficacy testing	Quality control	ADME and residue	Toxicology research	Tobacco safety(1)	Medical device safety	Method development	Other	
<b>Mammal</b>										
Mouse	40,419	9,800	107,829	11,517	918	-	161	2,364	1,346	189,829
Rat	73,207	407	1,845	15,717	1,007	-	-	3,657	2,016	119,842
Guinea pig	1,822	388	4,805	69	-	-	-	89	-	7,173
Hamster	873	576	-	10	-	-	-	-	-	1,459
Gerbil	-	-	-	-	-	-	-	-	-	-
Other rodent	-	-	-	-	-	-	-	-	27	191
Rabbit	8,279	136	2,151	81	-	-	217	305	15	12,761
Cat	46	-	-	-	-	-	-	-	-	46
<b>Dog</b>										
Beagle	3,742	-	77	887	-	-	-	304	-	5,166
Greyhound	-	-	-	-	-	-	-	-	-	-
Other including cross-bred dogs	-	-	-	-	-	-	-	-	-	-
Ferret	-	160	-	54	-	-	-	-	-	214
Other carnivore	296	112	-	-	-	-	-	-	-	408
Horse and other equids	22	-	-	-	-	-	-	-	-	22
Pig	673	948	10	211	20	-	-	34	44	2,002
Goat	-	-	-	-	-	-	-	-	-	10
Sheep	99	111	89	52	-	-	-	-	1	352
Cattle	169	760	17	44	-	-	-	-	-	990
Deer	-	-	-	-	-	-	-	-	-	-
Camelid	-	-	-	-	-	-	-	-	-	-
Other ungulate	-	-	-	-	-	-	-	-	-	-
<b>Primate</b>										
Prosimian	-	-	-	-	-	-	-	-	-	-
<b>New World monkey</b>										
marmoset, tamarin	63	-	-	-	-	-	-	70	-	133
Squirrel, owl, spider monkey	-	-	-	-	-	-	-	-	-	-
Other New World monkey	-	-	-	-	-	-	-	-	-	-

(1) Following a decision in 1997, procedures using animals in research on tobacco have not been allowed.

Table 9 Scientific procedures (toxicology) by species of animal and toxicological purpose, page 4 of 4

Great Britain 2008										Number of procedures
Species of animal	Toxicology or other safety/efficacy evaluation									Total
	Pharmaceutical safety/efficacy evaluation				Other purposes					
	Safety testing	Efficacy testing	Quality control	ADME and residue	Toxicology research	Tobacco safety(1)	Medical device safety	Method development	Other	
<b>Old World monkey</b>										
Macaque	2,576	-	3	536	-	-	-	384	17	<b>3,516</b>
Baboon	-	-	-	-	-	-	-	-	-	-
Other Old World monkey	-	-	-	-	-	-	-	-	-	-
<b>Ape</b>										
Gibbon	-	-	-	-	-	-	-	-	-	-
Great Ape	-	-	-	-	-	-	-	-	-	-
<b>Other mammal</b>	-	-	-	-	-	-	-	-	-	-
<b>Bird</b>										
Domestic fowl (Gallus domesticus)	706	5,340	691	92	-	-	-	6	-	<b>7,182</b>
Turkey	-	-	-	90	-	-	-	-	-	<b>120</b>
Quail (Coturnix coturnix)	-	-	-	-	-	-	-	-	-	-
Quail (spp,other than Coturnix coturnix)	-	-	-	-	-	-	-	-	-	<b>426</b>
Other bird	-	-	-	-	-	-	-	-	-	<b>281</b>
<b>Reptile</b>										
Any reptilian species	-	-	-	-	-	-	-	-	-	-
<b>Amphibian</b>										
Any amphibian species	-	-	-	-	-	-	-	-	-	-
<b>Fish</b>										
Any fish species	62,571	23,312	-	-	1,484	-	-	25,315	-	<b>131,927</b>
<b>Cephalopod</b>										
Octopus vulgaris	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>195,563</b>	<b>42,050</b>	<b>117,517</b>	<b>29,360</b>	<b>3,429</b>	<b>-</b>	<b>378</b>	<b>32,528</b>	<b>3,466</b>	<b>484,050</b>
Increase on 2007	27,154	22,593	16,769	-5,457	-3,291	-	-112	23,680	-399	67,691
Percentage change from 2007	16%	116%	17%	-16%	-49%	N/A	-23%	268%	-10%	16%
Percentage of total for 2008	40%	9%	24%	6%	1%	0%	0%	7%	1%	100%
2007 Totals	168,409	19,457	100,748	34,817	6,720	-	490	8,848	3,865	416,359

(1) Following a decision in 1997, procedures using animals in research on tobacco have not been allowed.

N/A = Not applicable

Table 9a Animals used (toxicology), by species of animal and toxicological purpose, page 1 of 4

Great Britain 2008	Number of animals							
Species of animal	Toxicology or other safety/efficacy evaluation							
	General safety/efficacy evaluation							
	Pollution	Agriculture	Industry	Household	Food additives	Other foodstuffs	Finished cosmetics(2)	Cosmetics ingredients(2)
<b>Mammal</b>								
Mouse	533	1,803	5,351	132	106	7,550	-	-
Rat	51	11,131	10,533	-	259	12	-	-
Guinea pig	-	-	-	-	-	-	-	-
Hamster	-	-	-	-	-	-	-	-
Gerbil	-	-	-	-	-	-	-	-
Other rodent	-	164	-	-	-	-	-	-
Rabbit	-	330	1,241	-	6	-	-	-
Cat	-	-	-	-	-	-	-	-
<b>Dog</b>								
Beagle	-	116	8	-	-	32	-	-
Greyhound	-	-	-	-	-	-	-	-
Other including cross-bred dogs	-	-	-	-	-	-	-	-
Ferret	-	-	-	-	-	-	-	-
Other carnivore	-	-	-	-	-	-	-	-
Horse and other equids	-	-	-	-	-	-	-	-
Pig	-	62	-	-	-	-	-	-
Goat	-	10	-	-	-	-	-	-
Sheep	-	-	-	-	-	-	-	-
Cattle	-	-	-	-	-	-	-	-
Deer	-	-	-	-	-	-	-	-
Camelid	-	-	-	-	-	-	-	-
Other ungulate	-	-	-	-	-	-	-	-
<b>Primate</b>								
Prosimian	-	-	-	-	-	-	-	-
<b>New World monkey</b>								
marmoset, tamarin	-	-	-	-	-	-	-	-
Squirrel, owl, spider monkey	-	-	-	-	-	-	-	-
Other New World monkey	-	-	-	-	-	-	-	-

(2)Following a decision in 1998, procedures using animals in research on finished cosmetics and on cosmetic ingredients have not been allowed.

Table 9a Animals used (toxicology), by species of animal and toxicological purpose, page 2 of 4

Great Britain 2008	Number of animals							
Species of animal	Toxicology or other safety/efficacy evaluation							
	General safety/efficacy evaluation							
	Pollution	Agriculture	Industry	Household	Food additives	Other foodstuffs	Finished cosmetics(2)	Cosmetics ingredients(2)
<b>Old World monkey</b>								
Macaque	-	-	-	-	-	-	-	-
Baboon	-	-	-	-	-	-	-	-
Other Old World monkey	-	-	-	-	-	-	-	-
<b>Ape</b>								
Gibbon	-	-	-	-	-	-	-	-
Great Ape	-	-	-	-	-	-	-	-
<b>Other mammal</b>	-	-	-	-	-	-	-	-
<b>Bird</b>								
Domestic fowl ( <i>Gallus domesticus</i> )	-	319	28	-	-	-	-	-
Turkey	-	30	-	-	-	-	-	-
Quail ( <i>Coturnix coturnix</i> )	-	-	-	-	-	-	-	-
Quail (spp,other than <i>Coturnix coturnix</i> )	-	424	2	-	-	-	-	-
Other bird	-	268	-	-	-	-	-	-
<b>Reptile</b>								
Any reptilian species	-	-	-	-	-	-	-	-
<b>Amphibian</b>								
Any amphibian species	-	-	-	-	-	-	-	-
<b>Fish</b>								
Any fish species	10,432	2,464	6,349	-	-	-	-	-
<b>Cephalopod</b>								
Octopus vulgaris	-	-	-	-	-	-	-	-
<b>Total</b>	<b>11,016</b>	<b>17,121</b>	<b>23,512</b>	<b>132</b>	<b>371</b>	<b>7,594</b>	<b>-</b>	<b>-</b>

(2)Following a decision in 1998, procedures using animals in research on finished cosmetics and on cosmetic ingredients have not been allowed.

Table 9a Animals used (toxicology), by species of animal and toxicological purpose, page 3 of 4

Great Britain 2008										Number of animals
Species of animal	Toxicology or other safety/efficacy evaluation									Total
	Pharmaceutical safety/efficacy evaluation				Other purposes					
	Safety testing	Efficacy testing	Quality control	ADME and residue	Toxicology research	Tobacco safety (1)	Medical device safety	Method development	Other	
<b>Mammal</b>										
<b>Mouse</b>	40,416	9,800	107,829	11,517	918	-	161	2,353	1,346	<b>189,815</b>
<b>Rat</b>	73,155	407	1,845	15,717	1,007	-	-	3,651	2,013	<b>119,781</b>
<b>Guinea pig</b>	1,822	388	4,805	69	-	-	-	89	-	<b>7,173</b>
<b>Hamster</b>	873	576	-	10	-	-	-	-	-	<b>1,459</b>
<b>Gerbil</b>	-	-	-	-	-	-	-	-	-	<b>-</b>
<b>Other rodent</b>	-	-	-	-	-	-	-	-	27	<b>191</b>
<b>Rabbit</b>	5,633	136	196	81	-	-	25	181	15	<b>7,844</b>
<b>Cat</b>	46	-	-	-	-	-	-	-	-	<b>46</b>
<b>Dog</b>										
Beagle	3,317	-	71	152	-	-	-	183	-	<b>3,879</b>
Greyhound	-	-	-	-	-	-	-	-	-	<b>-</b>
Other including cross-bred dogs	-	-	-	-	-	-	-	-	-	<b>-</b>
<b>Ferret</b>	-	56	-	6	-	-	-	-	-	<b>62</b>
<b>Other carnivore</b>	296	27	-	-	-	-	-	-	-	<b>323</b>
<b>Horse and other equids</b>	21	-	-	-	-	-	-	-	-	<b>21</b>
<b>Pig</b>	600	948	10	184	20	-	-	34	32	<b>1,890</b>
<b>Goat</b>	-	-	-	-	-	-	-	-	-	<b>10</b>
<b>Sheep</b>	99	111	89	52	-	-	-	-	1	<b>352</b>
<b>Cattle</b>	169	760	17	44	-	-	-	-	-	<b>990</b>
<b>Deer</b>	-	-	-	-	-	-	-	-	-	<b>-</b>
<b>Camelid</b>	-	-	-	-	-	-	-	-	-	<b>-</b>
<b>Other ungulate</b>	-	-	-	-	-	-	-	-	-	<b>-</b>
<b>Primate</b>										
Prosimian	-	-	-	-	-	-	-	-	-	<b>-</b>
<b>New World monkey</b>										
marmoset, tamarin	53	-	-	-	-	-	-	70	-	<b>123</b>
Squirrel, owl, spider monkey	-	-	-	-	-	-	-	-	-	<b>-</b>
Other New World monkey	-	-	-	-	-	-	-	-	-	<b>-</b>

(1)Following a decision in 1997, procedures using animals in research on tobacco have not been allowed.

Table 9a Animals used (toxicology), by species of animal and toxicological purpose, page 4 of 4

Great Britain 2008										Number of animals
Species of animal	Toxicology or other safety/efficacy evaluation									Total
	Pharmaceutical safety/efficacy evaluation				Other purposes					
	Safety testing	Efficacy testing	Quality control	ADME and residue	Toxicology research	Tobacco safety (1)	Medical device safety	Method development	Other	
<b>Old World monkey</b>										
Macaque	2,358	-	3	184	-	-	-	360	15	<b>2,920</b>
Baboon	-	-	-	-	-	-	-	-	-	-
Other Old World monkey	-	-	-	-	-	-	-	-	-	-
<b>Ape</b>										
Gibbon	-	-	-	-	-	-	-	-	-	-
Great Ape	-	-	-	-	-	-	-	-	-	-
<b>Other mammal</b>	-	-	-	-	-	-	-	-	-	-
<b>Bird</b>										
Domestic fowl (Gallus domesticus)	706	5,340	691	92	-	-	-	6	-	<b>7,182</b>
Turkey	-	-	-	90	-	-	-	-	-	<b>120</b>
Quail (Coturnix coturnix)	-	-	-	-	-	-	-	-	-	-
Quail (spp,other than Coturnix coturnix)	-	-	-	-	-	-	-	-	-	<b>426</b>
Other bird	-	-	-	-	-	-	-	-	-	<b>268</b>
<b>Reptile</b>										
Any reptilian species	-	-	-	-	-	-	-	-	-	-
<b>Amphibian</b>										
Any amphibian species	-	-	-	-	-	-	-	-	-	-
<b>Fish</b>										
Any fish species	62,571	23,312	-	-	1,484	-	-	25,315	-	<b>131,927</b>
<b>Cephalopod</b>										
Octopus vulgaris	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>192,135</b>	<b>41,861</b>	<b>115,556</b>	<b>28,198</b>	<b>3,429</b>	<b>-</b>	<b>186</b>	<b>32,242</b>	<b>3,449</b>	<b>476,802</b>

(1)Following a decision in 1997, procedures using animals in research on tobacco have not been allowed.

**Table 10 Scientific procedures (toxicology) by species of animal, type of legislation and toxicological purpose**

page 1 of 4

Great Britain 2008		Number of procedures			
Species	Legislative requirements	Toxicological purpose			Total
		Safety testing other than cosmetics	Pharmaceutical safety	Other safety / Toxicology	
<b>Mouse</b>	UK requirements only	472	572	-	1,044
	One EU country only (not UK)	-	-	-	-
	EU requirements, incl. European Pharmacopoeia	7,935	7,704	240	15,879
	Requirements of (non-EU) Council of Europe	-	-	-	-
	Requirements of other countries	313	1,862	-	2,175
	Any combination of above	6,467	144,847	1,973	153,287
	Non-legislative purposes	288	14,580	2,576	17,444
	<b>Total</b>	<b>15,475</b>	<b>169,565</b>	<b>4,789</b>	<b>189,829</b>
<b>Rat</b>	UK requirements only	73	406	-	479
	One EU country only (not UK)	-	70	-	70
	EU requirements, incl. European Pharmacopoeia	2,510	1,440	-	3,950
	Requirements of (non-EU) Council of Europe	-	-	-	-
	Requirements of other countries	533	84	-	617
	Any combination of above	17,986	80,928	3,316	102,230
	Non-legislative purposes	884	8,248	3,364	12,496
	<b>Total</b>	<b>21,986</b>	<b>91,176</b>	<b>6,680</b>	<b>119,842</b>
<b>Other rodent</b>	UK requirements only	-	321	-	321
	One EU country only (not UK)	-	-	-	-
	EU requirements, incl. European Pharmacopoeia	-	2,280	-	2,280
	Requirements of (non-EU) Council of Europe	-	-	-	-
	Requirements of other countries	-	186	-	186
	Any combination of above	164	5,651	27	5,842
	Non-legislative purposes	-	105	89	194
	<b>Total</b>	<b>164</b>	<b>8,543</b>	<b>116</b>	<b>8,823</b>
<b>Rabbit</b>	UK requirements only	18	384	3	405
	One EU country only (not UK)	-	-	-	-
	EU requirements, incl. European Pharmacopoeia	275	4,476	3	4,754
	Requirements of (non-EU) Council of Europe	-	-	-	-
	Requirements of other countries	121	12	65	198
	Any combination of above	1,163	5,765	320	7,248
	Non-legislative purposes	-	10	146	156
	<b>Total</b>	<b>1,577</b>	<b>10,647</b>	<b>537</b>	<b>12,761</b>
<b>Cat</b>	UK requirements only	-	-	-	-
	One EU country only (not UK)	-	-	-	-
	EU requirements, incl. European Pharmacopoeia	-	12	-	12
	Requirements of (non-EU) Council of Europe	-	-	-	-
	Requirements of other countries	-	-	-	-
	Any combination of above	-	34	-	34
	Non-legislative purposes	-	-	-	-
	<b>Total</b>	<b>-</b>	<b>46</b>	<b>-</b>	<b>46</b>

Table 10 Scientific procedures (toxicology) by species of animal, type of legislation and toxicological purpose

page 2 of 4

Great Britain 2008

Number of procedures

Species	Legislative requirements	Toxicological purpose			Total
		Safety testing other than cosmetics	Pharmaceutical safety	Other safety / Toxicology	
<b>Dog</b>	UK requirements only	-	-	-	-
	One EU country only (not UK)	-	-	-	-
	EU requirements, incl. European Pharmacopoeia	-	-	-	-
	Requirements of (non-EU) Council of Europe	-	-	-	-
	Requirements of other countries	32	8	-	40
	Any combination of above	124	4,197	237	4,558
	Non-legislative purposes	-	501	67	568
	<b>Total</b>	<b>156</b>	<b>4,706</b>	<b>304</b>	<b>5,166</b>
<b>Ferret</b>	UK requirements only	-	-	-	-
	One EU country only (not UK)	-	-	-	-
	EU requirements, incl. European Pharmacopoeia	-	-	-	-
	Requirements of (non-EU) Council of Europe	-	-	-	-
	Requirements of other countries	-	-	-	-
	Any combination of above	-	8	-	8
	Non-legislative purposes	-	206	-	206
	<b>Total</b>	<b>-</b>	<b>214</b>	<b>-</b>	<b>214</b>
<b>Other carnivore</b>	UK requirements only	-	408	-	408
	One EU country only (not UK)	-	-	-	-
	EU requirements, incl. European Pharmacopoeia	-	-	-	-
	Requirements of (non-EU) Council of Europe	-	-	-	-
	Requirements of other countries	-	-	-	-
	Any combination of above	-	-	-	-
	Non-legislative purposes	-	-	-	-
	<b>Total</b>	<b>-</b>	<b>408</b>	<b>-</b>	<b>408</b>
<b>Horse and other equids</b>	UK requirements only	-	-	-	-
	One EU country only (not UK)	-	-	-	-
	EU requirements, incl. European Pharmacopoeia	-	-	-	-
	Requirements of (non-EU) Council of Europe	-	-	-	-
	Requirements of other countries	-	-	-	-
	Any combination of above	-	-	-	-
	Non-legislative purposes	-	22	-	22
	<b>Total</b>	<b>-</b>	<b>22</b>	<b>-</b>	<b>22</b>
<b>Other ungulate</b>	UK requirements only	-	26	-	26
	One EU country only (not UK)	-	-	-	-
	EU requirements, incl. European Pharmacopoeia	62	1,335	4	1,401
	Requirements of (non-EU) Council of Europe	-	-	-	-
	Requirements of other countries	-	32	-	32
	Any combination of above	10	1,693	22	1,725
	Non-legislative purposes	-	97	73	170
	<b>Total</b>	<b>72</b>	<b>3,183</b>	<b>99</b>	<b>3,354</b>

Table 10 Scientific procedures (toxicology) by species of animal, type of legislation and toxicological purpose

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Great Britain 2008

Number of procedures

Species	Legislative requirements	Toxicological purpose			Total
		Safety testing other than cosmetics	Pharmaceutical safety	Other safety / Toxicology	
<b>New World monkey</b>	UK requirements only	-	-	-	-
	One EU country only (not UK)	-	-	-	-
	EU requirements, incl. European Pharmacopoeia	-	-	-	-
	Requirements of (non-EU) Council of Europe	-	-	-	-
	Requirements of other countries	-	-	-	-
	Any combination of above	-	39	70	109
	Non-legislative purposes	-	24	-	24
<b>Total</b>		-	<b>63</b>	<b>70</b>	<b>133</b>
<b>Old World monkey</b>	UK requirements only	-	-	-	-
	One EU country only (not UK)	-	-	-	-
	EU requirements, incl. European Pharmacopoeia	-	-	-	-
	Requirements of (non-EU) Council of Europe	-	-	-	-
	Requirements of other countries	-	-	-	-
	Any combination of above	-	3,039	387	3,426
	Non-legislative purposes	-	76	14	90
<b>Total</b>		-	<b>3,115</b>	<b>401</b>	<b>3,516</b>
<b>Other mammal</b>	UK requirements only	-	-	-	-
	One EU country only (not UK)	-	-	-	-
	EU requirements, incl. European Pharmacopoeia	-	-	-	-
	Requirements of (non-EU) Council of Europe	-	-	-	-
	Requirements of other countries	-	-	-	-
	Any combination of above	-	-	-	-
	Non-legislative purposes	-	-	-	-
<b>Total</b>		-	-	-	-
<b>Bird</b>	UK requirements only	-	-	-	-
	One EU country only (not UK)	-	-	-	-
	EU requirements, incl. European Pharmacopoeia	166	344	-	510
	Requirements of (non-EU) Council of Europe	-	-	-	-
	Requirements of other countries	-	-	-	-
	Any combination of above	918	6,575	-	7,493
	Non-legislative purposes	-	-	6	6
<b>Total</b>	<b>1,084</b>	<b>6,919</b>	<b>6</b>	<b>8,009</b>	
<b>Reptile / Amphibian</b>	UK requirements only	-	-	-	-
	One EU country only (not UK)	-	-	-	-
	EU requirements, incl. European Pharmacopoeia	-	-	-	-
	Requirements of (non-EU) Council of Europe	-	-	-	-
	Requirements of other countries	-	-	-	-
	Any combination of above	-	-	-	-
	Non-legislative purposes	-	-	-	-
<b>Total</b>		-	-	-	-

Table 10 Scientific procedures (toxicology) by species of animal, type of legislation and toxicological purpose

page 4 of 4

Great Britain 2008

Number of procedures

Species	Legislative requirements	Toxicological purpose			Total
		Safety testing other than cosmetics	Pharmaceutical safety	Other safety / Toxicology	
<b>Fish</b>	UK requirements only	1,291	20	-	1,311
	One EU country only (not UK)	-	-	-	-
	EU requirements, incl. European Pharmacopoeia	8,614	1,850	-	10,464
	Requirements of (non-EU) Council of Europe	-	-	-	-
	Requirements of other countries	755	696	-	1,451
	Any combination of above	6,142	3,107	50	9,299
	Non-legislative purposes	2,443	80,210	26,749	109,402
<b>Total</b>		<b>19,245</b>	<b>85,883</b>	<b>26,799</b>	<b>131,927</b>
<b>All species</b>	UK requirements only	1,854	2,137	3	3,994
	One EU country only (not UK)	-	70	-	70
	EU requirements, incl. European Pharmacopoeia	19,562	19,441	247	39,250
	Requirements of (non-EU) Council of Europe	-	-	-	-
	Requirements of other countries	1,754	2,880	65	4,699
	Any combination of above	32,974	255,883	6,402	295,259
	Non-legislative purposes	3,615	104,079	33,084	140,778
<b>TOTAL</b>		<b>59,759</b>	<b>384,490</b>	<b>39,801</b>	<b>484,050</b>

Table 11 Scientific procedures (toxicology) by species of animal and type of toxicological test: all purposes, page 1 of 2

Great Britain 2008										
Species of animal	Type of toxicological test or procedure									
	Acute lethal toxicity	Acute lethal concentration	Acute limit setting	Acute non - lethal clinical sign	Subacute limit-setting or dose ranging	Subacute toxicity	Subchronic and chronic	Carcinogenicity	Genetic toxicology (includes mutagenicity)	Teratogenicity
<b>Mammal</b>										
Mouse	86,696	1,521	9,143	1,564	3,495	2,072	3,584	5,659	3,077	544
Rat	445	1,746	2,079	4,500	10,705	15,032	7,834	3,478	5,356	3,943
Other rodent	-	27	-	22	10	198	80	-	-	-
Rabbit	-	-	-	52	292	146	-	-	-	3,635
Cat	-	-	-	-	-	-	-	-	-	-
Dog	-	-	-	159	456	1,614	1,207	-	-	-
Ferret	-	-	-	-	-	-	-	-	-	-
Other carnivore	-	-	-	-	-	-	-	-	-	-
Horse and other equids	-	-	-	-	-	-	-	-	-	-
Other ungulate	-	-	-	18	102	300	102	-	-	-
<b>Primate</b>										
New World monkey	-	-	-	-	30	9	24	-	-	-
Old World monkey	-	-	-	34	324	1,181	778	-	-	-
Other mammal	-	-	-	-	-	-	-	-	-	-
<b>Bird</b>										
Bird	-	180	135	75	156	420	-	-	-	-
<b>Reptile, amphibian</b>										
Reptile, amphibian	-	-	-	-	-	-	-	-	-	-
<b>Fish</b>										
Fish	-	5,903	66,486	-	968	2,430	7,530	-	-	364
<b>Total</b>	<b>87,141</b>	<b>9,377</b>	<b>77,843</b>	<b>6,424</b>	<b>16,538</b>	<b>23,402</b>	<b>21,139</b>	<b>9,137</b>	<b>8,433</b>	<b>8,486</b>

Table 11 Scientific procedures (toxicology) by species of animal and type of toxicological test: all purposes, page 2 of 2

Great Britain 2008											Number of procedures
Species of animal	Type of toxicological test or procedure										Total
	Other reproductive toxicity	In eyes	For skin Irritation	For skin sensitisation	Toxicokinetics	Pyrogenicity	Biocompatibility	Enzyme induction for in vitro tests	Immunotoxicology	Other toxicology	
<b>Mammal</b>											
Mouse	483	-	12	1,074	10,445	-	80	-	4,635	55,745	189,829
Rat	29,488	-	-	-	13,025	-	42	142	200	21,827	119,842
Other rodent	-	-	-	-	152	-	-	-	-	8,334	8,823
Rabbit	86	479	740	-	44	6,752	28	-	-	507	12,761
Cat	-	-	-	-	-	-	-	-	-	46	46
Dog	2	-	-	-	549	-	-	-	-	1,179	5,166
Ferret	-	-	-	-	-	-	-	-	-	214	214
Other carnivore	-	-	-	-	-	-	-	-	-	408	408
Horse and other equids	-	-	-	-	-	-	-	-	-	22	22
Other ungulate	-	-	-	-	234	-	-	-	-	2,598	3,354
<b>Primate</b>											
New World monkey	-	-	-	-	-	-	-	-	-	70	133
Old World monkey	-	-	-	-	493	-	-	-	1	705	3,516
Other mammal	-	-	-	-	-	-	-	-	-	-	-
<b>Bird</b>	108	-	-	-	200	-	-	-	20	6,715	8,009
<b>Reptile, amphibian</b>	-	-	-	-	-	-	-	-	-	-	-
<b>Fish</b>	2,909	-	-	-	926	-	-	-	-	44,411	131,927
<b>Total</b>	<b>33,076</b>	<b>479</b>	<b>752</b>	<b>1,074</b>	<b>26,068</b>	<b>6,752</b>	<b>150</b>	<b>142</b>	<b>4,856</b>	<b>142,781</b>	<b>484,050</b>

Table 12: Scientific procedures (toxicology) by species of animal and type of toxicological test: safety testing of substances other than pharmaceuticals, page 1 of 2

Great Britain 2008											Number of procedures
Species of animal	Type of toxicological test or procedure										
	Acute lethal toxicity	Acute lethal concentration	Acute limit setting	Acute non - lethal clinical sign	Subacute limit-setting or dose ranging	Subacute toxicity	Subchronic and chronic	Carcinogenicity	Genetic toxicology (includes mutagenicity)	Teratogenicity	
Mouse	-	-	7,550	37	207	264	-	408	1,884	-	
Rat	21	349	1,943	2,458	873	1,598	1,429	500	375	540	
Other rodent	-	-	-	-	-	-	-	-	-	-	
Rabbit	-	-	-	-	9	-	-	-	-	396	
Dog	-	-	-	-	52	-	104	-	-	-	
Horse and other equids	-	-	-	-	-	-	-	-	-	-	
Other ungulate	-	-	-	-	-	-	-	-	-	-	
Bird	-	180	135	75	156	-	-	-	-	-	
Reptile / Amphibian	-	-	-	-	-	-	-	-	-	-	
Fish	-	5,811	3,429	-	140	724	6,390	-	-	-	
<b>Total</b>	<b>21</b>	<b>6,340</b>	<b>13,057</b>	<b>2,570</b>	<b>1,437</b>	<b>2,586</b>	<b>7,923</b>	<b>908</b>	<b>2,259</b>	<b>936</b>	

Table 12: Scientific procedures (toxicology) by species of animal and type of toxicological test: safety testing of substances other than pharmaceuticals, page 2 of 2

Great Britain 2008											Number of procedures
Species of animal	Type of toxicological test or procedure										Total
	Other reproductive toxicity	In eyes	For skin Irritation	For skin sensitisation	Toxicokinetics	Pyrogenicity	Biocompatibility	Enzyme induction for in vitro tests	Immunotoxicology	Other toxicology	
Mouse	-	-	-	356	90	-	-	-	3,983	696	15,475
Rat	10,132	-	-	-	327	-	-	68	90	1,283	21,986
Other rodent	-	-	-	-	-	-	-	-	-	164	164
Rabbit	-	470	701	-	-	-	-	-	-	1	1,577
Dog	-	-	-	-	-	-	-	-	-	-	156
Horse and other equids	-	-	-	-	-	-	-	-	-	-	-
Other ungulate	-	-	-	-	6	-	-	-	-	66	72
Bird	108	-	-	-	50	-	-	-	-	380	1,084
Reptile / Amphibian	-	-	-	-	-	-	-	-	-	-	-
Fish	1,629	-	-	-	722	-	-	-	-	400	19,245
<b>Total</b>	<b>11,869</b>	<b>470</b>	<b>701</b>	<b>356</b>	<b>1,195</b>	<b>-</b>	<b>-</b>	<b>68</b>	<b>4,073</b>	<b>2,990</b>	<b>59,759</b>

Table 15: Scientific procedures (toxicology) by species of animal and type of toxicological test: safety testing of pharmaceuticals,

Great Britain 2008											Number of procedures
Species of animal	Type of toxicological test or procedure										
	Acute lethal toxicity	Acute lethal concentration	Acute limit setting	Acute non - lethal clinical sign	Subacute limit-setting or dose ranging	Subacute toxicity	Subchronic and chronic	Carcinogenicity	Genetic toxicology (includes mutagenicity)	Teratogenicity	
Mouse	86,696	324	1,455	1,436	3,288	1,790	3,584	5,251	1,062	544	
Rat	-	30	100	2,042	9,716	13,292	6,405	2,978	3,959	3,403	
Other rodent	-	-	-	22	10	198	80	-	-	-	
Rabbit	-	-	-	40	283	146	-	-	-	3,239	
Cat	-	-	-	-	-	-	-	-	-	-	
Dog	-	-	-	159	404	1,614	1,103	-	-	-	
Ferret	-	-	-	-	-	-	-	-	-	-	
Other carnivore	-	-	-	-	-	-	-	-	-	-	
Horse and other equids	-	-	-	-	-	-	-	-	-	-	
Other ungulate	-	-	-	18	102	300	86	-	-	-	
New World monkey	-	-	-	-	30	9	24	-	-	-	
Old World monkey	-	-	-	34	324	1,181	778	-	-	-	
Other Mammal	-	-	-	-	-	-	-	-	-	-	
Bird	-	-	-	-	-	420	-	-	-	-	
Fish	-	42	63,057	-	828	1,706	1,140	-	-	364	
<b>Total</b>	<b>86,696</b>	<b>396</b>	<b>64,612</b>	<b>3,751</b>	<b>14,985</b>	<b>20,656</b>	<b>13,200</b>	<b>8,229</b>	<b>5,021</b>	<b>7,550</b>	

Table 15: Scientific procedures (toxicology) by species of animal and type of toxicological test: safety testing of pharmaceuticals (continued)

Great Britain 2008											Number of procedures
Species of animal	Type of toxicological test or procedure										Total
	Other reproductive toxicity	In eyes	For skin Irritation	For skin sensitisation	Toxicokinetics	Pyrogenicity	Biocompatibility	Enzyme induction for in vitro tests	Immunotoxicology	Other toxicology	
Mouse	483	-	12	515	10,355	-	-	-	388	52,382	169,565
Rat	19,207	-	-	-	12,698	-	42	31	110	17,163	91,176
Other rodent	-	-	-	-	152	-	-	-	-	8,081	8,543
Rabbit	86	9	34	-	44	6,436	20	-	-	310	10,647
Cat	-	-	-	-	-	-	-	-	-	46	46
Dog	-	-	-	-	549	-	-	-	-	877	4,706
Ferret	-	-	-	-	-	-	-	-	-	214	214
Other carnivore	-	-	-	-	-	-	-	-	-	408	408
Horse and other equids	-	-	-	-	-	-	-	-	-	22	22
Other ungulate	-	-	-	-	228	-	-	-	-	2,449	3,183
New World Monkey	-	-	-	-	-	-	-	-	-	-	63
Old World Monkey	-	-	-	-	485	-	-	-	1	312	3,115
Other Mammal	-	-	-	-	-	-	-	-	-	-	-
Bird	-	-	-	-	150	-	-	-	20	6,329	6,919
Fish	-	-	-	-	-	-	-	-	-	18,746	85,883
<b>Total</b>	<b>19,776</b>	<b>9</b>	<b>46</b>	<b>515</b>	<b>24,661</b>	<b>6,436</b>	<b>62</b>	<b>31</b>	<b>519</b>	<b>107,339</b>	<b>384,490</b>

Table 16 Scientific procedures (toxicology) by species of animal and type of toxicological test: other safety or toxicology testing

Great Britain 2008											Number of procedures
Species of animal	Type of toxicological test or procedure										
	Acute lethal toxicity	Acute lethal concentration	Acute limit setting	Acute non - lethal clinical sign	Subacute limit-setting or dose ranging	Subacute toxicity	Subchronic and chronic	Carcinogenicity	Genetic toxicology (includes mutagenicity)	Teratogenicity	
Mouse	-	1,197	138	91	-	18	-	-	131	-	
Rat	424	1,367	36	-	116	142	-	-	1,022	-	
Other rodent	-	27	-	-	-	-	-	-	-	-	
Rabbit	-	-	-	12	-	-	-	-	-	-	
Cat	-	-	-	-	-	-	-	-	-	-	
Dog	-	-	-	-	-	-	-	-	-	-	
Other carnivore	-	-	-	-	-	-	-	-	-	-	
Horse and other equids	-	-	-	-	-	-	-	-	-	-	
Other ungulate	-	-	-	-	-	-	16	-	-	-	
New World monkey	-	-	-	-	-	-	-	-	-	-	
Old World monkey	-	-	-	-	-	-	-	-	-	-	
Bird	-	-	-	-	-	-	-	-	-	-	
Reptile / Amphibian	-	-	-	-	-	-	-	-	-	-	
Fish	-	50	-	-	-	-	-	-	-	-	
<b>Total</b>	<b>424</b>	<b>2,641</b>	<b>174</b>	<b>103</b>	<b>116</b>	<b>160</b>	<b>16</b>	<b>-</b>	<b>1,153</b>	<b>-</b>	

Table 16 Scientific procedures (toxicology) by species of animal and type of toxicological test: other safety or toxicology testing (Continued)

Great Britain 2008											Number of procedures
Species of animal	Type of toxicological test or procedure									Total	
	Other reproductive toxicity	For skin irritation	For skin sensitisation	Toxicokinetics	Pyrogenicity	Biocompatibility	Enzyme induction for in vitro tests	Immunotoxicology	Other toxicology		
Mouse	-	-	203	-	-	80	-	264	2,667	4,789	
Rat	149	-	-	-	-	-	43	-	3,381	6,680	
Other rodent	-	-	-	-	-	-	-	-	89	116	
Rabbit	-	5	-	-	316	8	-	-	196	537	
Cat	-	-	-	-	-	-	-	-	-	-	
Dog	2	-	-	-	-	-	-	-	302	304	
Other carnivore	-	-	-	-	-	-	-	-	-	-	
Horse and other equids	-	-	-	-	-	-	-	-	-	-	
Other ungulate	-	-	-	-	-	-	-	-	83	99	
New World Monkey	-	-	-	-	-	-	-	-	70	70	
Old World Monkey	-	-	-	8	-	-	-	-	393	401	
Bird	-	-	-	-	-	-	-	-	6	6	
Reptile / Amphibian	-	-	-	-	-	-	-	-	-	-	
Fish	1,280	-	-	204	-	-	-	-	25,265	26,799	
<b>Total</b>	<b>1,431</b>	<b>5</b>	<b>203</b>	<b>212</b>	<b>316</b>	<b>88</b>	<b>43</b>	<b>264</b>	<b>32,452</b>	<b>39,801</b>	