

EU Statistical Data of all uses of animals

Member State: Slovakia

Year: 2015

All uses of animals by species

Animal Species	Number of uses	Percentage
Mice	6,046	44.46%
Rats	5,903	43.41%
Guinea-Pigs	1,026	7.54%
Hamsters (Syrian)		
Hamsters (Chinese)		
Mongolian gerbil	33	0.24%
Other Rodents		
Rabbits	228	1.68%
Cats	29	0.21%
Dogs	34	0.25%
Ferrets		
Other carnivores		
Horses, donkeys & cross-breeds		
Pigs	16	0.12%
Goats		
Sheep	26	0.19%
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	222	1.63%
Other birds	36	0.26%
Reptiles		
Rana		
Xenopus		
Other Amphibians		
Zebra fish		
Other Fish		
Cephalopods		
Total uses	13,599	100.00%

Origin as registered at the first use

Place of Birth	Number of uses	Percentage
Animals born in the EU at a registered breeder	13,599	100.00%
Animals born in the EU but not at a registered breeder		
Animals born in rest of Europe		
Animals born in rest of world		
Total uses	13,599	100.00%

NHP Source (origin)	Number of uses	Percentage
Animals born at a registered breeder within EU		
Animals born in rest of Europe		
Animals born in Asia		
Animals born in America		
Animals born in Africa		
Animals born elsewhere		
Total uses		

NHP Generation	Number of uses	Percentage
F0		
F1		
F2 or greater		
Self-sustaining colony		
Total uses		

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Purpose for which animals are used

Purpose Category level 1	Number of uses	Percentage
Basic Research	9,920	72.95%
Translational and applied research	788	5.79%
Regulatory use and Routine production	2,060	15.15%
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	8	0.06%
Forensic enquiries		
Maintenance of colonies of established genetically altered animals, not used in other procedures	823	6.05%
Total uses	13,599	100.00%

Basic Research	Number of uses	Percentage
Oncology	796	8.02%
Cardiovascular Blood and Lymphatic System	1,371	13.82%
Nervous System	2,242	22.60%
Respiratory System	992	10.00%
Gastrointestinal System including Liver	194	1.96%
Musculoskeletal System	106	1.07%
Immune System	421	4.24%
Urogenital/Reproductive System	2,596	26.17%
Sensory Organs (skin, eyes and ears)	40	0.40%
Endocrine System/Metabolism	496	5.00%
Multisystemic	138	1.39%
Ethology / Animal Behaviour /Animal Biology	11	0.11%
Other basic research	517	5.21%
Total uses	9,920	100.00%

Translational and applied research	Number of uses	Percentage
Human Cancer	134	17.01%
Human Infectious Disorders		
Human Cardiovascular Disorders	79	10.03%
Human Nervous and Mental Disorders		
Human Respiratory Disorders		
Human Gastrointestinal Disorders including Liver		
Human Musculoskeletal Disorders		
Human Immune Disorders	314	39.85%
Human Urogenital/Reproductive Disorders	80	10.15%
Human Sensory Organ Disorders (skin, eyes and ears)		
Human Endocrine/Metabolism Disorders		
Other Human Disorders	75	9.52%
Animal Diseases and Disorders	62	7.87%
Animal Welfare		
Diagnosis of diseases	44	5.58%
Plant diseases		
Non-regulatory toxicology and ecotoxicology		
Total uses	788	100.00%

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Regulatory use and routine Production	Number of uses	Percentage
Routine production		
Quality control (incl batch safety and potency testing)	1,462	70.97%
Other efficacy and tolerance testing	6	0.29%
Toxicity and other safety testing including pharmacology	592	28.74%
Total uses	2,060	100.00%

Regulatory use and routine production – Quality control (incl batch safety and potency testing)	Number of uses	Percentage
Batch safety testing	1,262	86.32%
Pyrogenicity testing		
Batch potency testing	200	13.68%
Other quality controls		
Total uses	1,462	100.00%

Regulatory use and routine production - Toxicity and other safety testing including pharmacology	Number of uses	Percentage
Acute and sub-acute	265	44.76%
Skin irritation/corrosion		
Skin sensitisation	35	5.91%
Eye irritation/corrosion		
Repeated dose toxicity	292	49.32%
Carcinogenicity		
Genotoxicity		
Reproductive toxicity		
Developmental toxicity		
Neurotoxicity		
Kinetics		
Pharmaco-dynamics (incl safety pharmacology)		
Phototoxicity		
Ecotoxicity		
Safety testing in food and feed area		
Target animal safety		
Other toxicity/safety testing		
Total uses	592	100.00%

Regulatory use and routine production – Toxicity and other safety testing including pharmacology – Acute and sub-acute toxicity testing methods	Number of uses	Percentage
LD50, LC50	265	100.00%
Other lethal methods		
Non lethal methods		
Total uses	265	100.00%

Regulatory use and routine production – Toxicity and other safety testing including pharmacology – Repeated dose toxicity	Number of uses	Percentage
up to 28 days		
29 - 90 days	90	30.82%
> 90 days	202	69.18%
Total uses	292	100.00%

Regulatory use and routine production – Toxicity and other safety testing including pharmacology – Ecotoxicity	Number of uses	Percentage
Acute toxicity		
Chronic toxicity		
Reproductive ecotoxicity		
Endocrine activity		
Bioaccumulation		
Other ecotoxicity		
Total uses		

Regulatory use and routine production – Routine production	Number of uses	Percentage
Blood based products		
Monoclonal antibodies		
Other product types		
Total uses		

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Use of animals to meet legislative requirements

Testing by Legislation	Number of uses	Percentage
Legislation on medicinal products for human use	1,385	67.23%
Legislation on medicinal products for veterinary use and their residues	126	6.12%
Medical devices legislation	90	4.37%
Industrial chemicals legislation	257	12.48%
Plant protection product legislation		
Biocides legislation		
Food legislation including food contact material	202	9.81%
Feed legislation including legislation for the safety of target animals, workers and environment		
Cosmetics legislation		
Other legislation		
Total uses	2,060	100.00%

Legislative Requirement	Number of uses	Percentage
Legislation satisfying EU requirements	2,060	100.00%
Legislation satisfying national requirements only [within EU]		
Legislation satisfying Non-EU requirements only		
Total uses	2,060	100.00%

First use and re-use

Re-Use	Number of uses	Percentage
No	13,599	100.00%
Yes		
Total uses	13,599	100.00%

Use in creation of a new genetic line

Creation of New GL	Number of uses	Percentage
No	13,599	100.00%
Yes		
Total uses	13,599	100.00%

Actual severity of uses

Severity	Number of uses	Percentage
Non-recovery	1,452	10.68%
Mild [up to and including]	8,226	60.49%
Moderate	3,651	26.85%
Severe	270	1.99%
Total uses	13,599	100.00%

Use by genetic status

Genetic Status	Number of uses	Percentage
Not genetically altered	12,741	93.69%
Genetically altered without a harmful phenotype	99	0.73%
Genetically altered with a harmful phenotype	759	5.58%
Total uses	13,599	100.00%

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