

EU Statistical Data of all uses of animals

Member State: Slovakia

Year: 2014

All uses of animals by species

Animal Species	Number of uses	Percentage
Mice	6,774	40.29%
Rats	8,067	47.98%
Guinea-Pigs	903	5.37%
Hamsters (Syrian)		
Hamsters (Chinese)		
Mongolian gerbil	14	0.08%
Other Rodents		
Rabbits	163	0.97%
Cats	30	0.18%
Dogs	6	0.04%
Ferrets		
Other carnivores		
Horses, donkeys & cross-breeds		
Pigs	19	0.11%
Goats		
Sheep	5	0.03%
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	795	4.73%
Other birds	36	0.21%
Reptiles		
Rana		
Xenopus		
Other Amphibians		
Zebra fish		
Other Fish		
Cephalopods		
Total uses	16,812	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	16,806	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	16,806	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	13,113	78.00%
Translational and applied research	999	5.94%
Regulatory use and Routine production	2,700	16.06%
Protection of the natural environment in the interests of the health or welfare of human beings or animals		
Preservation of species		
Higher education or training for the acquisition, maintenance or improvement of vocational skills		
Forensic enquiries		
Maintenance of colonies of established genetically altered animals, not used in other procedures		
Total uses	16,812	100.00%

Basic Research	Number of uses	Percentage
Oncology	1,433	10.93%
Cardiovascular Blood and Lymphatic System	1,769	13.49%
Nervous System	3,019	23.02%
Respiratory System	1,535	11.71%
Gastrointestinal System including Liver	722	5.51%
Musculoskeletal System	57	0.43%
Immune System	815	6.22%
Urogenital/Reproductive System	2,965	22.61%
Sensory Organs (skin, eyes and ears)		
Endocrine System/Metabolism	216	1.65%
Multisystemic	142	1.08%
Ethology / Animal Behaviour /Animal Biology		
Other basic research	440	3.36%
Total uses	13,113	100.00%

Translational and applied research	Number of uses	Percentage
Human Cancer	20	2.00%
Human Infectious Disorders		
Human Cardiovascular Disorders	214	21.42%
Human Nervous and Mental Disorders	6	0.60%
Human Respiratory Disorders		
Human Gastrointestinal Disorders including Liver	56	5.61%
Human Musculoskeletal Disorders	198	19.82%
Human Immune Disorders	4	0.40%
Human Urogenital/Reproductive Disorders		
Human Sensory Organ Disorders (skin, eyes and ears)	291	29.13%
Human Endocrine/Metabolism Disorders		
Other Human Disorders		
Animal Diseases and Disorders	5	0.50%
Animal Welfare	29	2.90%
Diagnosis of diseases	106	10.61%
Plant diseases		
Non-regulatory toxicology and ecotoxicology	70	7.01%
Total uses	999	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)	1,054	39.04%
Other efficacy and tolerance testing		
Toxicity and other safety testing including pharmacology	1,646	60.96%
Total uses	2,700	100.00%

Regulatory use and routine production – Quality control (incl batch safety and potency testing)	Number of uses	Percentage
Batch safety testing	895	84.91%
Pyrogenicity testing		
Batch potency testing	159	15.09%
Other quality controls		
Total uses	1,054	100.00%

Regulatory use and routine production - Toxicity and other safety testing including pharmacology	Number of uses	Percentage
Acute and sub-acute	383	23.27%
Skin irritation/corrosion		
Skin sensitisation		
Eye irritation/corrosion	3	0.18%
Repeated dose toxicity	1,200	72.90%
Carcinogenicity		
Genotoxicity		
Reproductive toxicity		
Developmental toxicity		
Neurotoxicity		
Kinetics	60	3.65%
Pharmaco-dynamics (incl safety pharmacology)		
Phototoxicity		
Ecotoxicity		
Safety testing in food and feed area		
Target animal safety		
Other toxicity/safety testing		
Total uses	1,646	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	383	100.00%
Other lethal methods		
Non lethal methods		
Total uses	383	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	1,200	100.00%
> 90 days		
Total uses	1,200	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	1,431	53.00%
Legislation on medicinal products for veterinary use and their residues	119	4.41%
Medical devices legislation	986	36.52%
Industrial chemicals legislation	164	6.07%
Plant protection product legislation		
Biocides legislation		
Food legislation including food contact material		
Feed legislation including legislation for the safety of target animals, workers and environment		
Cosmetics legislation		
Other legislation		
Total uses	2,700	100.00%

Legislative Requirement	Number of uses	Percentage
Legislation satisfying EU requirements	2,620	97.04%
Legislation satisfying national requirements only [within EU]	80	2.96%
Legislation satisfying Non-EU requirements only		
Total uses	2,700	100.00%

First use and re-use

Re-Use	Number of uses	Percentage
No	16,806	99.96%
Yes	6	0.04%
Total uses	16,812	100.00%

Use in creation of a new genetic line

Creation of New GL	Number of uses	Percentage
No	16,812	100.00%
Yes		
Total uses	16,812	100.00%

Actual severity of uses

Severity	Number of uses	Percentage
Non-recovery	1,738	10.34%
Mild [up to and including]	10,832	64.43%
Moderate	4,067	24.19%
Severe	175	1.04%
Total uses	16,812	100.00%

Use by genetic status

Genetic Status	Number of uses	Percentage
Not genetically altered	16,055	95.50%
Genetically altered without a harmful phenotype	210	1.25%
Genetically altered with a harmful phenotype	547	3.25%
Total uses	16,812	100.00%

Speaking of Research