

EU Statistical Data of all uses of animals

Member State: Slovakia

Year: 2019

All uses of animals by species

Animal Species	Number of uses	Percentage
Mice	8,625	47.33%
Rats	8,468	46.47%
Guinea-Pigs	607	3.33%
Hamsters (Syrian)		
Hamsters (Chinese)		
Mongolian gerbil	12	0.07%
Other rodents		
Rabbits	190	1.04%
Cats	13	0.07%
Dogs		
Ferrets		
Other carnivores		
Horses, donkeys and cross-breeds		
Pigs		
Goats		
Sheep	28	0.15%
Cattle		
Prosimians		
Marmoset and tamarins		
Cynomolgus monkey		
Rhesus monkey		
Vervets (Chlorocebus spp.)		
Baboons		
Squirrel monkey		
Other species of non-human primates		
Other species of Old World Monkeys (Cercopithecoidea)		
Other species of New World Monkeys (Ceboidea)		
Apes		
Other mammals		
Domestic fowl	249	1.37%
Other birds	31	0.17%
Reptiles		
Rana		
Xenopus		
Other amphibians		
Zebra fish		
Other fish		
Cephalopods		
Total uses	18,223	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	18,211	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	18,211	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	12,856	70.55%
Translational and applied research	509	2.79%
Regulatory use and Routine production	4,365	23.95%
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	15	0.08%
Forensic enquiries		
Maintenance of colonies of established genetically altered animals, not used in other procedures	478	2.62%
Total uses	18,223	100.00%

Basic Research	Number of uses	Percentage
Oncology	707	5.50%
Cardiovascular Blood and Lymphatic System	1,068	8.31%
Nervous System	6,012	46.76%
Respiratory System	511	3.97%
Gastrointestinal System including Liver	438	3.41%
Musculoskeletal System	16	0.12%
Immune System	563	4.38%
Urogenital/Reproductive System	1,816	14.13%
Sensory Organs (skin, eyes and ears)		
Endocrine System/Metabolism	586	4.56%
Multisystemic		
Ethology / Animal Behaviour /Animal Biology	415	3.23%
Other basic research	724	5.63%
Total uses	12,856	100.00%

Translational and applied research	Number of uses	Percentage
Human Cancer	42	8.25%
Human Infectious Disorders		
Human Cardiovascular Disorders	10	1.96%
Human Nervous and Mental Disorders		
Human Respiratory Disorders	10	1.96%
Human Gastrointestinal Disorders including Liver		
Human Musculoskeletal Disorders	35	6.88%
Human Immune Disorders	16	3.14%
Human Urogenital/Reproductive Disorders	150	29.47%
Human Sensory Organ Disorders (skin, eyes and ears)	34	6.68%
Human Endocrine/Metabolism Disorders		
Other Human Disorders	80	15.72%
Animal Diseases and Disorders	132	25.93%
Animal Welfare		
Diagnosis of diseases		
Plant diseases		
Non-regulatory toxicology and ecotoxicology		
Total uses	509	100.00%

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Regulatory use and routine Production	Number of uses	Percentage
Quality control (incl batch safety and potency testing)	600	13.75%
Other efficacy and tolerance testing		
Toxicity and other safety testing including pharmacology	3,732	85.50%
Routine production	33	0.76%
Total uses	4,365	100.00%

Regulatory use and routine production – Quality control (incl batch safety and potency testing)	Number of uses	Percentage
Batch safety testing	354	59.00%
Pyrogenicity testing		
Batch potency testing	246	41.00%
Other quality controls		
Total uses	600	100.00%

Regulatory use and routine production - Toxicity and other safety testing including pharmacology	Number of uses	Percentage
Acute and sub-acute	238	6.38%
Skin irritation/corrosion		
Skin sensitisation	535	14.34%
Eye irritation/corrosion		
Repeated dose toxicity		
Carcinogenicity		
Genotoxicity		
Reproductive toxicity	2,935	78.64%
Developmental toxicity		
Neurotoxicity		
Kinetics		
Pharmaco-dynamics (incl safety pharmacology)		
Phototoxicity		
Ecotoxicity		
Safety testing in food and feed area		
Target animal safety	24	0.64%
Other toxicity/safety testing		
Total uses	3,732	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	238	100.00%
Other lethal methods		
Non lethal methods		
Total uses	238	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 days		
Total uses		

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		

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Regulatory use and routine production – Routine production	Number of uses	Percentage
Blood based products	33	100.00%
Monoclonal antibody by mouse ascites method		
Other product types		
Total uses	33	100.00%

Use of animals to meet legislative requirements

Testing by Legislation	Number of uses	Percentage
Legislation on medicinal products for human use	411	9.42%
Legislation on medicinal products for veterinary use and their residues	246	5.64%
Medical devices legislation	25	0.57%
Industrial chemicals legislation	3,683	84.38%
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	4,365	100.00%

Legislative Requirement	Number of uses	Percentage
Legislation satisfying EU requirements	4,365	100.00%
Legislation satisfying national requirements only [within EU]		
Legislation satisfying Non-EU requirements only		
Total uses	4,365	100.00%

First use and re-use

Re-Use	Number of uses	Percentage
No	18,211	99.93%
Yes	12	0.07%
Total uses	18,223	100.00%

Use in creation of a new genetic line

Creation of New GL	Number of uses	Percentage
No	18,223	100.00%
Yes		
Total uses	18,223	100.00%

Actual severity of uses

Severity	Number of uses	Percentage
Non-recovery	543	2.98%
Mild [up to and including]	3,399	18.65%
Moderate	13,329	73.14%
Severe	952	5.22%
Total uses	18,223	100.00%

Use by genetic status

Genetic Status	Number of uses	Percentage
Not genetically altered	16,944	92.98%
Genetically altered without a harmful phenotype	459	2.52%
Genetically altered with a harmful phenotype	820	4.50%
Total uses	18,223	100.00%