

EU Statistical Data of all uses of animals

Member State: Slovakia

Year: 2020

All uses of animals by species

Animal Species	Number of uses	Percentage
Mice	6,605	43.42%
Rats	7,483	49.19%
Guinea-Pigs	291	1.91%
Hamsters (Syrian)		
Hamsters (Chinese)		
Mongolian gerbil	17	0.11%
Other rodents		
Rabbits	187	1.23%
Cats	13	0.09%
Dogs		
Ferrets		
Other carnivores		
Horses, donkeys and cross-breeds		
Pigs		
Goats		
Sheep		
Cattle	4	0.03%
Prosimians		
Marmoset and tamarins		
Cynomolgus monkey		
Rhesus monkey		
Vervets (Chlorocebus spp.)		
Baboons		
Squirrel monkey		
Other species of Old World Monkeys (Cercopithecoidea)		
Other species of New World Monkeys (Ceboidea)		
Apes		
Other mammals		
Domestic fowl	411	2.70%
Other birds	200	1.31%
Reptiles		
Rana		
Xenopus		
Other amphibians		
Zebra fish		
Other fish		
Cephalopods		
Total uses	15,211	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	15,191	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	15,191	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		

Purpose for which animals are used

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Purpose for which animals are used

Purpose Category level 1	Number of uses	Percentage
Basic Research	10,865	71.43%
Translational and applied research	927	6.09%
Regulatory use and Routine production	2,947	19.37%
Protection of the natural environment in the interests of the health or welfare of human beings or animals	4	0.03%
Preservation of species		
Higher education or training for the acquisition, maintenance or improvement of vocational skills	14	0.09%
Forensic enquiries		
Maintenance of colonies of established genetically altered animals, not used in other procedures	454	2.98%
Total uses	15,211	100.00%

Basic Research	Number of uses	Percentage
Oncology	858	7.90%
Cardiovascular Blood and Lymphatic System	805	7.41%
Nervous System	4,150	38.20%
Respiratory System	356	3.28%
Gastrointestinal System including Liver	450	4.14%
Musculoskeletal System	105	0.97%
Immune System	740	6.81%
Urogenital/Reproductive System	1,528	14.06%
Sensory Organs (skin, eyes and ears)	12	0.11%
Endocrine System/Metabolism	365	3.36%
Multisystemic	80	0.74%
Ethology / Animal Behaviour /Animal Biology	1,399	12.88%
Other basic research	17	0.16%
Total uses	10,865	100.00%

Translational and applied research	Number of uses	Percentage
Human Cancer	80	8.63%
Human Infectious Disorders	465	50.16%
Human Cardiovascular Disorders		
Human Nervous and Mental Disorders		
Human Respiratory Disorders		
Human Gastrointestinal Disorders including Liver		
Human Musculoskeletal Disorders		
Human Immune Disorders	45	4.85%
Human Urogenital/Reproductive Disorders		
Human Sensory Organ Disorders (skin, eyes and ears)	55	5.93%
Human Endocrine/Metabolism Disorders		
Other Human Disorders	42	4.53%
Animal Diseases and Disorders	240	25.89%
Animal Welfare		
Diagnosis of diseases		
Plant diseases		
Non-regulatory toxicology and ecotoxicology		
Total uses	927	100.00%

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Regulatory use and routine Production	Number of uses	Percentage
Quality control (incl batch safety and potency testing)	450	15.27%
Other efficacy and tolerance testing		
Toxicity and other safety testing including pharmacology	2,487	84.39%
Routine production	10	0.34%
Total uses	2,947	100.00%

Regulatory use and routine production – Quality control (incl batch safety and potency testing)	Number of uses	Percentage
Batch safety testing	91	20.22%
Pyrogenicity testing		
Batch potency testing	359	79.78%
Other quality controls		
Total uses	450	100.00%

Regulatory use and routine production - Toxicity and other safety testing including pharmacology	Number of uses	Percentage
Acute and sub-acute	177	7.12%
Skin irritation/corrosion		
Skin sensitisation	280	11.26%
Eye irritation/corrosion		
Repeated dose toxicity	140	5.63%
Carcinogenicity		
Genotoxicity		
Reproductive toxicity		
Developmental toxicity	1,890	76.00%
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	2,487	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	177	100.00%
Other lethal methods		
Non lethal methods		
Total uses	177	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	140	100.00%
> 90 days		
Total uses	140	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		

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Regulatory use and routine production – Routine production	Number of uses	Percentage
Blood based products	10	100.00%
Monoclonal antibody by mouse ascites method		
Other product types		
Total uses	10	100.00%

Use of animals to meet legislative requirements

Testing by Legislation	Number of uses	Percentage
Legislation on medicinal products for human use	381	12.93%
Legislation on medicinal products for veterinary use and their residues	359	12.18%
Medical devices legislation		
Industrial chemicals legislation	2,067	70.14%
Plant protection product legislation		
Biocides legislation		
Food legislation including food contact material	140	4.75%
Feed legislation including legislation for the safety of target animals, workers and environment		
Cosmetics legislation		
Other legislation		
Total uses	2,947	100.00%

Legislative Requirement	Number of uses	Percentage
Legislation satisfying EU requirements	2,947	100.00%
Legislation satisfying national requirements only [within EU]		
Legislation satisfying Non-EU requirements only		
Total uses	2,947	100.00%

First use and re-use

Re-Use	Number of uses	Percentage
No	15,191	99.87%
Yes	20	0.13%
Total uses	15,211	100.00%

Use in creation of a new genetic line

Creation of New GL	Number of uses	Percentage
No	15,211	100.00%
Yes		
Total uses	15,211	100.00%

Actual severity of uses

Severity	Number of uses	Percentage
Non-recovery	571	3.75%
Mild [up to and including]	3,823	25.13%
Moderate	9,521	62.59%
Severe	1,296	8.52%
Total uses	15,211	100.00%

Use by genetic status

Genetic Status	Number of uses	Percentage
Not genetically altered	13,933	91.60%
Genetically altered without a harmful phenotype	414	2.72%
Genetically altered with a harmful phenotype	864	5.68%
Total uses	15,211	100.00%