

EU Statistical Data of all uses of animals

Member State: Slovakia

Year: 2016

All uses of animals by species

Animal Species	Number of uses	Percentage
Mice	5,263	40.94%
Rats	5,992	46.61%
Guinea-Pigs	955	7.43%
Hamsters (Syrian)		
Hamsters (Chinese)		
Mongolian gerbil	14	0.11%
Other Rodents		
Rabbits	362	2.82%
Cats	11	0.09%
Dogs		
Ferrets		
Other carnivores		
Horses, donkeys & cross-breeds		
Pigs		
Goats		
Sheep	1	0.01%
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	225	1.75%
Other birds	32	0.25%
Reptiles		
Rana		
Xenopus		
Other Amphibians		
Zebra fish		
Other Fish		
Cephalopods		
Total uses	12,855	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	12,812	99.67%
Animals born in the EU but not at a registered breeder		
Animals born in rest of Europe		
Animals born in rest of world	43	0.33%
Total uses	12,855	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	9,172	71.35%
Translational and applied research	283	2.20%
Regulatory use and Routine production	3,006	23.38%
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	394	3.06%
Total uses	12,855	100.00%

Basic Research	Number of uses	Percentage
Oncology	146	1.59%
Cardiovascular Blood and Lymphatic System	808	8.81%
Nervous System	2,746	29.94%
Respiratory System	478	5.21%
Gastrointestinal System including Liver	58	0.63%
Musculoskeletal System	52	0.57%
Immune System	1,262	13.76%
Urogenital/Reproductive System	1,454	15.85%
Sensory Organs (skin, eyes and ears)		
Endocrine System/Metabolism	230	2.51%
Multisystemic	23	0.25%
Ethology / Animal Behaviour /Animal Biology	40	0.44%
Other basic research	1,875	20.44%
Total uses	9,172	100.00%

Translational and applied research	Number of uses	Percentage
Human Cancer		
Human Infectious Disorders	40	14.13%
Human Cardiovascular Disorders		
Human Nervous and Mental Disorders		
Human Respiratory Disorders		
Human Gastrointestinal Disorders including Liver	72	25.44%
Human Musculoskeletal Disorders		
Human Immune Disorders	107	37.81%
Human Urogenital/Reproductive Disorders		
Human Sensory Organ Disorders (skin, eyes and ears)	57	20.14%
Human Endocrine/Metabolism Disorders		
Other Human Disorders		
Animal Diseases and Disorders		
Animal Welfare		
Diagnosis of diseases	7	2.47%
Plant diseases		
Non-regulatory toxicology and ecotoxicology		
Total uses	283	100.00%

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Regulatory use and routine Production	Number of uses	Percentage
Routine production	42	1.40%
Quality control (incl batch safety and potency testing)	1,533	51.00%
Other efficacy and tolerance testing		
Toxicity and other safety testing including pharmacology	1,431	47.60%
Total uses	3,006	100.00%

Regulatory use and routine production – Quality control (incl batch safety and potency testing)	Number of uses	Percentage
Batch safety testing	1,298	84.67%
Pyrogenicity testing		
Batch potency testing	235	15.33%
Other quality controls		
Total uses	1,533	100.00%

Regulatory use and routine production - Toxicity and other safety testing including pharmacology	Number of uses	Percentage
Acute and sub-acute	407	28.44%
Skin irritation/corrosion		
Skin sensitisation	632	44.16%
Eye irritation/corrosion		
Repeated dose toxicity	392	27.39%
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	1,431	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	407	100.00%
Other lethal methods		
Non lethal methods		
Total uses	407	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	392	100.00%
29 - 90 days		
> 90 days		
Total uses	392	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	42	100.00%
Monoclonal antibodies		
Other product types		
Total uses	42	100.00%

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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	1,340	44.58%
Legislation on medicinal products for veterinary use and their residues	235	7.82%
Medical devices legislation		
Industrial chemicals legislation	1,021	33.97%
Plant protection product legislation		
Biocides legislation		
Food legislation including food contact material	410	13.64%
Feed legislation including legislation for the safety of target animals, workers and environment		
Cosmetics legislation		
Other legislation		
Total uses	3,006	100.00%

Legislative Requirement	Number of uses	Percentage
Legislation satisfying EU requirements	3,006	100.00%
Legislation satisfying national requirements only [within EU]		
Legislation satisfying Non-EU requirements only		
Total uses	3,006	100.00%

First use and re-use

Re-Use	Number of uses	Percentage
No	12,855	100.00%
Yes		
Total uses	12,855	100.00%

Use in creation of a new genetic line

Creation of New GL	Number of uses	Percentage
No	12,855	100.00%
Yes		
Total uses	12,855	100.00%

Actual severity of uses

Severity	Number of uses	Percentage
Non-recovery	1,149	8.94%
Mild [up to and including]	5,588	43.47%
Moderate	5,970	46.44%
Severe	148	1.15%
Total uses	12,855	100.00%

Use by genetic status

Genetic Status	Number of uses	Percentage
Not genetically altered	11,943	92.91%
Genetically altered without a harmful phenotype	43	0.33%
Genetically altered with a harmful phenotype	869	6.76%
Total uses	12,855	100.00%

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