Member State: Slovakia

All uses of animals by species

Animal Species Number of uses Percentage Mice 6,087 38.99% Rats 7,948 50.91% Guinea-Pigs 1,036 6.64% Hamsters (Cyinan) Hamsters (Chinese) Mongolian gerbil 9 0.06% Other Rodents 226 1.45% Rabbits 226 1.45% Cats 11 0.07% Dogs Ferrets 6 Other carnivores Horses, donkeys & cross-breeds 7 Pigs Goats 5 Sheep 2 0.01% Cattle 1 0.01% Prosimians Marmoset and tamarins 6 Cynomolgus monkey 7 7 Rhesus monkey 7 7 Vervets Chlorocebus spp. 8 8 Baboons 9 3 Squirrel monkey 7 3 Other species of New World Monkeys (Ceboidea) 4 Other species of non-human primates 4 4 <th>·</th> <th></th> <th></th>	·		
Rats 7,948 50.91% Guinea-Pigs 1,036 6.64% Hamsters (Syrian) 9 0.06% Mongolian gerbil 9 0.06% Other Rodents 226 1.45% Rabbits 226 1.45% Cats 11 0.07% Dogs Ferrets 0 Other carnivores 4 0.07% Horses, donkeys & cross-breeds 9 9 Pigs 0 0 Goats 0 0 Sheep 2 0.01% Cattle 1 0.01% Prosimians 0 0 Marmoset and tamarins 0 0 Cynomolgus monkey 0 0 Resus monkey 0 0 Vervets Chlorocebus spp. 0 0 Baboons 0 0 Squirrel monkey 0 0 Other species of New World Monkeys (Ceboidea) 0 Other species of low World Monkeys (Cer	Animal Species	Number of uses	Percentage
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Hamsters (Syrian) Hamsters (Chinese) Mongolian gerbil 9 0.06% Other Rodents Rabbits 226 1.45% Cats 11 0.07% Dogs Ferrets Other carnivores Horses, donkeys & cross-breeds Pigs Goats Sheep 2 0.01% Cattle 1 0.01% Prosimians Marmoset and tamarins Cynomolgus monkey Rhesus monkey Vervets Chlorocebus spp. Baboons Squirrel monkey Other species of New World Monkeys (Ceboidea) Other species of non-human primates Apes Other Mammals Domestic fowl 233 1.49% Reptiles Rana Xenopus Other Amphibians Zebra fish Other Fish Cephalopods	Rats	7,948	50.91%
Hamsters (Chinese) Mongolian gerbil 9 0.06%	Guinea-Pigs	1,036	6.64%
Mongolian gerbil 9 0.06% Other Rodents 226 1.45% Cats 11 0.07% Dogs 11 0.07% Ferrets Other carnivores Other carnivores Horses, donkeys & cross-breeds Pigs 0 Goats Sheep 2 0.01% Cattle 1 0.01% Prosimians Marmoset and tamarins Cynomolgus monkey Vervets Chlorocebus spp. Baboons Squirrel monkey Other species of New World Monkeys (Ceboidea) Other species of Old World Monkeys (Ceropithecoidea) Other species of non-human primates Apes Other Mammals Domestic fowl 233 1.49% Other birds 59 0.38% Reptiles Rana Xenopus Other Amphibians Zebra fish Other Fish Cephalopods Cephalopods Cephalopods	Hamsters (Syrian)		
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Cats 11 0.07% Dogs Ferrets Other carnivores Horses, donkeys & cross-breeds Pigs Goats Pigs Qoats Qoats Sheep 2 0.01% Prosimians Marmoset and tamarins Qouncil (a) Cynomolgus 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 233 1.49% Other birds 59 0.38% Reptiles Rana Xenopus Other Amphibians Zebra fish Other Fish Cephalopods Cephalopods Cephalopods	Other Rodents		
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Other birds 59 0.38% Reptiles Rana Xenopus Other Amphibians Zebra fish Other Fish Cephalopods	Other Mammals		
Reptiles Rana Xenopus Other Amphibians Zebra fish Other Fish Cephalopods	Domestic fowl	233	
Rana Xenopus Other Amphibians Zebra fish Other Fish Cephalopods	Other birds	59	0.38%
Xenopus Other Amphibians Zebra fish Other Fish Cephalopods	Reptiles		
Other Amphibians Zebra fish Other Fish Cephalopods	Rana		
Zebra fish Other Fish Cephalopods	Xenopus		
Other Fish Cephalopods	Other Amphibians		
Cephalopods	Zebra fish		
• •	Other Fish		
Total uses 15,612 100.00%	Cephalopods		
	Total uses	15,612	100.00%

Origin as registered at the first use

Year: 2017

Place of Birth	Number of uses	Percentage
Animals born in the EU at a registered breeder	14,686	94.30%
Animals born in the EU but not at a registered breeder	888	5.70%
Animals born in rest of Europe		
Animals born in rest of world		
Total uses	15,574	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

Purpose Category level 1	Number of uses	Percentage
Basic Research	10,819	69.30%
Translational and applied research	1,046	6.70%
Regulatory use and Routine production	2,831	18.13%
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	56	0.36%
Forensic enquiries		
Maintenance of colonies of established genetically altered animals, not used in other procedures	860	5.51%
Total uses	15,612	100.00%

Basic Research	Number of uses	Percentage
Oncology	316	2.92%
Cardiovascular Blood and Lymphatic System	932	8.61%
Nervous System	4,076	37.67%
Respiratory System	607	5.61%
Gastrointestinal System including Liver	180	1.66%
Musculoskeletal System	19	0.18%
Immune System	424	3.92%
Urogenital/Reproductive System	1,175	10.86%
Sensory Organs (skin, eyes and ears)	9	0.08%
Endocrine System/Metabolism	610	5.64%
Multisystemic	782	7.23%
Ethology / Animal Behaviour /Animal Biology	595	5.50%
Other basic research	1,094	10.11%
Total uses	10,819	100.00%

Translational and applied research	Number of uses	Percentage
Human Cancer		
Human Infectious Disorders		
Human Cardiovascular Disorders	20	1.91%
Human Nervous and Mental Disorders	528	50.48%
Human Respiratory Disorders		
Human Gastrointestinal Disorders including Liver		
Human Musculoskeletal Disorders		
Human Immune Disorders	21	2.01%
Human Urogenital/Reproductive Disorders	10	0.96%
Human Sensory Organ Disorders (skin, eyes and ears)	27	2.58%
Human Endocrine/Metabolism Disorders	60	5.74%
Other Human Disorders		
Animal Diseases and Disorders	374	35.76%
Animal Welfare		
Diagnosis of diseases	6	0.57%
Plant diseases		
Non-regulatory toxicology and ecotoxicology		
Total uses	1,046	100.00%

EU Statistical Data of all uses of animals		
latory use and routine Production	Number of uses	Percentage
y control (incl batch safety and potency testing)	1,014	35.82%
efficacy and tolerance testing		
ty and other safety testing including pharmacology	1,786	63.09%
ne production	31	1.10%
uses	2,831	100.00%
Regulatory use and routine production – Quality control (incl batch safety and potency testing)	Number of uses	Percentage
Batch safety testing	867	85.50%
Pyrogenicity testing		
Batch potency testing	147	14.50%
Other quality controls		
Total uses	1,014	100.00%
Regulatory use and routine production - Toxicity and other safety testing including pharmacology	Number of uses	Percentage
Acute and sub-acute	662	37.07%
Skin irritation/corrosion		
Skin sensitisation	542	30.35%
Eye irritation/corrosion		
Repeated dose toxicity	460	25.76%
Carcinogenicity		
Genotoxicity		
Reproductive toxicity	122	6.83%
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

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	662	100.00%
Other lethal methods		
Non lethal methods		
Total uses	662	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	280	60.87%
29 - 90 days	180	39.13%
> 90 days		
Total uses	460	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		

1,786

100.00%

Regulatory use and routine production – Routine production	Number of uses	Percentage
Blood based products	31	100.00%
Monoclonal antibodies		
Other product types		
Total uses	31	100.00%

Use of animals to meet legislative requirements

Testing by Legislation	Number of uses	Percentage
Legislation on medicinal products for human use	1,300	45.77%
Legislation on medicinal products for veterinary use and their residues	133	4.68%
Medical devices legislation	73	2.57%
Industrial chemicals legislation	955	33.63%
Plant protection product legislation	9	0.32%
Biocides legislation		
Food legislation including food contact material	190	6.69%
Feed legislation including legislation for the safety of target animals, workers and environment	180	6.34%
Cosmetics legislation		
Other legislation		
Total uses	2,840	100.00%

Legislative Requirement	Number of uses	Percentage
Legislation satisfying EU requirements	2,840	100.00%
Legislation satisfying national requirements only [within EU]		
Legislation satisfying Non-EU requirements only		
Total uses	2,840	100.00%

First use and re-use

Re-Use	Number of uses	Percentage
No	15,574	99.76%
Yes	38	0.24%
Total uses	15,612	100.00%

Actual severity of uses

Severity	Number of uses	Percentage
Non-recovery	1,101	7.05%
Mild [up to and including]	5,185	33.21%
Moderate	8,972	57.47%
Severe	354	2.27%
Total uses	15,612	100.00%

Use in creation of a new genetic line

Creation of New GL	Number of uses	Percentage
No	15,612	100.00%
Yes		
Total uses	15,612	100.00%

Use by genetic status

Genetic Status	Number of uses	Percentage
Not genetically altered	14,113	90.40%
Genetically altered without a harmful phenotype	260	1.67%
Genetically altered with a harmful phenotype	1,239	7.94%
Total uses	15,612	100.00%

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