

EU Statistical Data of all uses of animals

Member State: Croatia

Year: 2017

All uses of animals by species

Animal Species	Number of uses	Percentage
Mice	19,806	69.41%
Rats	7,700	26.99%
Guinea-Pigs	21	0.07%
Hamsters (Syrian)		
Hamsters (Chinese)		
Mongolian gerbil		
Other Rodents		
Rabbits	426	1.49%
Cats		
Dogs		
Ferrets		
Other carnivores		
Horses, donkeys & cross-breeds	25	0.09%
Pigs	2	0.01%
Goats		
Sheep	39	0.14%
Cattle	30	0.11%
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	255	0.89%
Other birds		
Reptiles		
Rana		
Xenopus		
Other Amphibians		
Zebra fish	230	0.81%
Other Fish		
Cephalopods		
Total uses	28,534	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	28,292	99.51%
Animals born in the EU but not at a registered breeder	60	0.21%
Animals born in rest of Europe		
Animals born in rest of world	79	0.28%
Total uses	28,431	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	22,067	77.34%
Translational and applied research	2,761	9.68%
Regulatory use and Routine production	2,182	7.65%
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	1,428	5.00%
Forensic enquiries		
Maintenance of colonies of established genetically altered animals, not used in other procedures	96	0.34%
Total uses	28,534	100.00%

Basic Research	Number of uses	Percentage
Oncology	1,345	6.10%
Cardiovascular Blood and Lymphatic System	378	1.71%
Nervous System	1,428	6.47%
Respiratory System	5,721	25.93%
Gastrointestinal System including Liver	2,069	9.38%
Musculoskeletal System	30	0.14%
Immune System	3,764	17.06%
Urogenital/Reproductive System	234	1.06%
Sensory Organs (skin, eyes and ears)	688	3.12%
Endocrine System/Metabolism	384	1.74%
Multisystemic	4,582	20.76%
Ethology / Animal Behaviour /Animal Biology	122	0.55%
Other basic research	1,322	5.99%
Total uses	22,067	100.00%

Translational and applied research	Number of uses	Percentage
Human Cancer	230	8.33%
Human Infectious Disorders	1,394	50.49%
Human Cardiovascular Disorders	510	18.47%
Human Nervous and Mental Disorders	214	7.75%
Human Respiratory Disorders		
Human Gastrointestinal Disorders including Liver		
Human Musculoskeletal Disorders	28	1.01%
Human Immune Disorders		
Human Urogenital/Reproductive Disorders		
Human Sensory Organ Disorders (skin, eyes and ears)		
Human Endocrine/Metabolism Disorders	60	2.17%
Other Human Disorders		
Animal Diseases and Disorders	30	1.09%
Animal Welfare		
Diagnosis of diseases		
Plant diseases		
Non-regulatory toxicology and ecotoxicology	295	10.68%
Total uses	2,761	100.00%

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Regulatory use and routine Production	Number of uses	Percentage
Quality control (incl batch safety and potency testing)	1,585	72.64%
Other efficacy and tolerance testing		
Toxicity and other safety testing including pharmacology	556	25.48%
Routine production	41	1.88%
Total uses	2,182	100.00%

Regulatory use and routine production – Quality control (incl batch safety and potency testing)	Number of uses	Percentage
Batch safety testing	262	16.53%
Pyrogenicity testing		
Batch potency testing	128	8.08%
Other quality controls	1,195	75.39%
Total uses	1,585	100.00%

Regulatory use and routine production - Toxicity and other safety testing including pharmacology	Number of uses	Percentage
Acute and sub-acute	556	100.00%
Skin irritation/corrosion		
Skin sensitisation		
Eye irritation/corrosion		
Repeated dose toxicity		
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	556	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		
Other lethal methods		
Non lethal methods	556	100.00%
Total uses	556	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	41	100.00%
Monoclonal antibody by mouse ascites method		
Other product types		
Total uses	41	100.00%

Use of animals to meet legislative requirements

Testing by Legislation	Number of uses	Percentage
Legislation on medicinal products for human use	1,799	82.45%
Legislation on medicinal products for veterinary use and their residues	383	17.55%
Medical devices legislation		
Industrial chemicals legislation		
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	2,182	100.00%

Legislative Requirement	Number of uses	Percentage
Legislation satisfying EU requirements	2,182	100.00%
Legislation satisfying national requirements only [within EU]		
Legislation satisfying Non-EU requirements only		
Total uses	2,182	100.00%

First use and re-use

Re-Use	Number of uses	Percentage
No	28,431	99.64%
Yes	103	0.36%
Total uses	28,534	100.00%

Use in creation of a new genetic line

Creation of New GL	Number of uses	Percentage
No	28,304	99.19%
Yes	230	0.81%
Total uses	28,534	100.00%

Actual severity of uses

Severity	Number of uses	Percentage
Non-recovery	3,005	10.53%
Mild [up to and including]	8,338	29.22%
Moderate	11,593	40.63%
Severe	5,598	19.62%
Total uses	28,534	100.00%

Use by genetic status

Genetic Status	Number of uses	Percentage
Not genetically altered	26,027	91.21%
Genetically altered without a harmful phenotype	2,452	8.59%
Genetically altered with a harmful phenotype	55	0.19%
Total uses	28,534	100.00%