

EU Statistical Data of all uses of animals

Member State: Croatia

Year: 2019

All uses of animals by species

Animal Species	Number of uses	Percentage
Mice	19,216	66.99%
Rats	6,446	22.47%
Guinea-Pigs	107	0.37%
Hamsters (Syrian)		
Hamsters (Chinese)		
Mongolian gerbil		
Other rodents		
Rabbits	12	0.04%
Cats		
Dogs		
Ferrets		
Other carnivores		
Horses, donkeys and cross-breeds	18	0.06%
Pigs	2	0.01%
Goats		
Sheep	15	0.05%
Cattle		
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 (Cebidoidea)		
Apes		
Other mammals		
Domestic fowl	2,840	9.90%
Other birds		
Reptiles		
Rana		
Xenopus		
Other amphibians		
Zebra fish	28	0.10%
Other fish		
Cephalopods		
Total uses	28,684	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	28,618	99.89%
Animals born in the EU but not at a registered breeder	32	0.11%
Animals born in rest of Europe		
Animals born in rest of world		
Total uses	28,650	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	10,195	35.54%
Translational and applied research	12,664	44.15%
Regulatory use and Routine production	4,244	14.80%
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	849	2.96%
Forensic enquiries		
Maintenance of colonies of established genetically altered animals, not used in other procedures	732	2.55%
Total uses	28,684	100.00%

Basic Research	Number of uses	Percentage
Oncology	298	2.92%
Cardiovascular Blood and Lymphatic System	681	6.68%
Nervous System	1,761	17.27%
Respiratory System		
Gastrointestinal System including Liver	24	0.24%
Musculoskeletal System	806	7.91%
Immune System	3,137	30.77%
Urogenital/Reproductive System		
Sensory Organs (skin, eyes and ears)	100	0.98%
Endocrine System/Metabolism	61	0.60%
Multisystemic	1,843	18.08%
Ethology / Animal Behaviour /Animal Biology		
Other basic research	1,484	14.56%
Total uses	10,195	100.00%

Translational and applied research	Number of uses	Percentage
Human Cancer		
Human Infectious Disorders	4,035	31.86%
Human Cardiovascular Disorders		
Human Nervous and Mental Disorders	87	0.69%
Human Respiratory Disorders	3,221	25.43%
Human Gastrointestinal Disorders including Liver	1,953	15.42%
Human Musculoskeletal Disorders	800	6.32%
Human Immune Disorders	1,025	8.09%
Human Urogenital/Reproductive Disorders	522	4.12%
Human Sensory Organ Disorders (skin, eyes and ears)	234	1.85%
Human Endocrine/Metabolism Disorders	153	1.21%
Other Human Disorders		
Animal Diseases and Disorders		
Animal Welfare		
Diagnosis of diseases	141	1.11%
Plant diseases		
Non-regulatory toxicology and ecotoxicology	493	3.89%
Total uses	12,664	100.00%

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Regulatory use and routine Production	Number of uses	Percentage
Quality control (incl batch safety and potency testing)	720	16.97%
Other efficacy and tolerance testing		
Toxicity and other safety testing including pharmacology	3,038	71.58%
Routine production	486	11.45%
Total uses	4,244	100.00%
Regulatory use and routine production – Quality control (incl batch safety and potency testing)	Number of uses	Percentage
Batch safety testing		
Pyrogenicity testing		
Batch potency testing		
Other quality controls	720	100.00%
Total uses	720	100.00%
Regulatory use and routine production - Toxicity and other safety testing including pharmacology	Number of uses	Percentage
Acute and sub-acute	198	6.52%
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	320	10.53%
Other toxicity/safety testing	2,520	82.95%
Total uses	3,038	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	198	100.00%
Other lethal methods		
Non lethal methods		
Total uses	198	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	486	100.00%
Monoclonal antibody by mouse ascites method		
Other product types		
Total uses	486	100.00%

Use of animals to meet legislative requirements

Testing by Legislation	Number of uses	Percentage
Legislation on medicinal products for human use	1,404	33.08%
Legislation on medicinal products for veterinary use and their residues	2,840	66.92%
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	4,244	100.00%

Legislative Requirement	Number of uses	Percentage
Legislation satisfying EU requirements	4,244	100.00%
Legislation satisfying national requirements only [within EU]		
Legislation satisfying Non-EU requirements only		
Total uses	4,244	100.00%

First use and re-use

Re-Use	Number of uses	Percentage
No	28,650	99.88%
Yes	34	0.12%
Total uses	28,684	100.00%

Use in creation of a new genetic line

Creation of New GL	Number of uses	Percentage
No	28,656	99.90%
Yes	28	0.10%
Total uses	28,684	100.00%

Actual severity of uses

Severity	Number of uses	Percentage
Non-recovery	1,321	4.61%
Mild [up to and including]	6,844	23.86%
Moderate	18,266	63.68%
Severe	2,253	7.85%
Total uses	28,684	100.00%

Use by genetic status

Genetic Status	Number of uses	Percentage
Not genetically altered	25,463	88.77%
Genetically altered without a harmful phenotype	2,882	10.05%
Genetically altered with a harmful phenotype	339	1.18%
Total uses	28,684	100.00%