

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 (Ceboidea) | | |
| 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 | | |

Purpose for which animals are used

EU Statistical Data of all uses of animals

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% |

EU Statistical Data of all uses of animals

| 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% |