

SECTION 2: ALL USES OF ANIMALS FOR RESEARCH, TESTING, ROUTINE PRODUCTION AND EDUCATION AND TRAINING PURPOSES

Excludes the uses of animals for the creation and maintenance of genetically altered animals.

FILTERS

Reporting year:2023

Country:All

EC ID:All

File name:All

EU Submission:Yes

ID 1:All

ID 2:All

ID 3:All

Species:All

Other species:All

Species grouping level 1:All

Species grouping level 2:All

Mammals:All

Non-human primates:All

Reuse:All

Place of birth:All

NHP Place of birth:All

NHP Colony type: Self-sustaining colony:All

NHP generation:All

Genetic status:All

Purpose:All

Purpose category level 1:All

Purpose category level 2:All

Purpose category level 3:All

Purpose category level 4:All

Type of legislation:All

Other legislation:All

Origin of legislation:All

Severity:All

Custom severity:All

Method of tissue sampling:All

Severity of genotyping:All

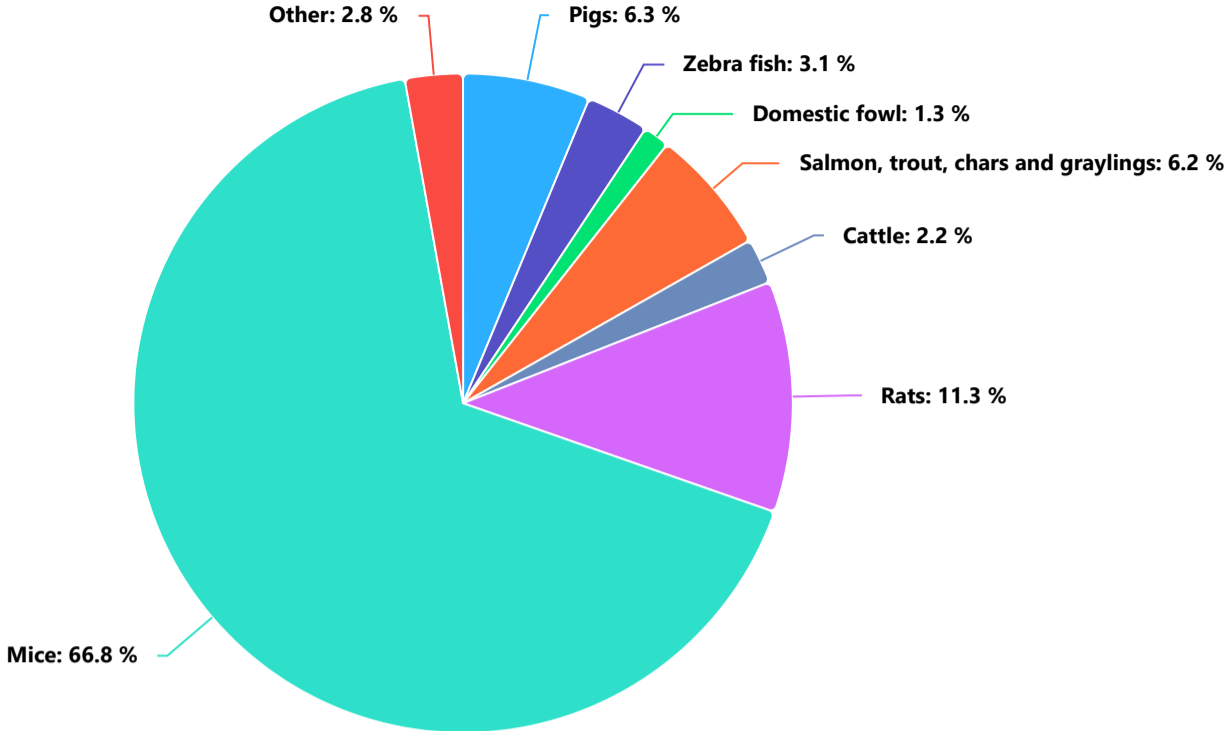
ALL USES OF ANIMALS

Uses of animals by species

Species	Number of uses
Mice	138861
Rats	23574
Guinea-Pigs	1639
Hamsters (Syrian)	106
Rabbits	1870
Dogs	473
Horses, donkeys and cross-breeds	33
Pigs	12997
Goats	2
Sheep	74
Cattle	4608
Other mammals	21
Domestic fowl	2659
Other birds	420
Reptiles	124
Xenopus	490
Other amphibians	109
Zebra fish	6427
Sea bass	5
Salmon, trout, chars and graylings	12817
Other fish	533
Total	207842

Excel

Uses of animals by species



Species categories level 1

Species category level 1	Percentage	Number of animals
Warm-blooded vertebrates	90.13%	187337
Cold-blooded vertebrates	9.87%	20505
Total	100,00%	207842

Excel

Species categories level 2

Species category level 2	Percentage	Number of animals
Mammals	88.65%	184258
Birds	1.48%	3079
Reptiles	0.06%	124
Amphibians	0.29%	599
Fish	9.52%	19782
Total	100,00%	207842

Excel

Mammals

Mammals	Percentage	Number of animals
Rodents	89.10%	164180
Rabbits	1.01%	1870
Carnivores	0.26%	473
Equidae	0.02%	33
Artiodactyla	9.60%	17681
Other mammals	0.01%	21
Total	100,00%	184258

Excel

Non-human primates

Non-human primates

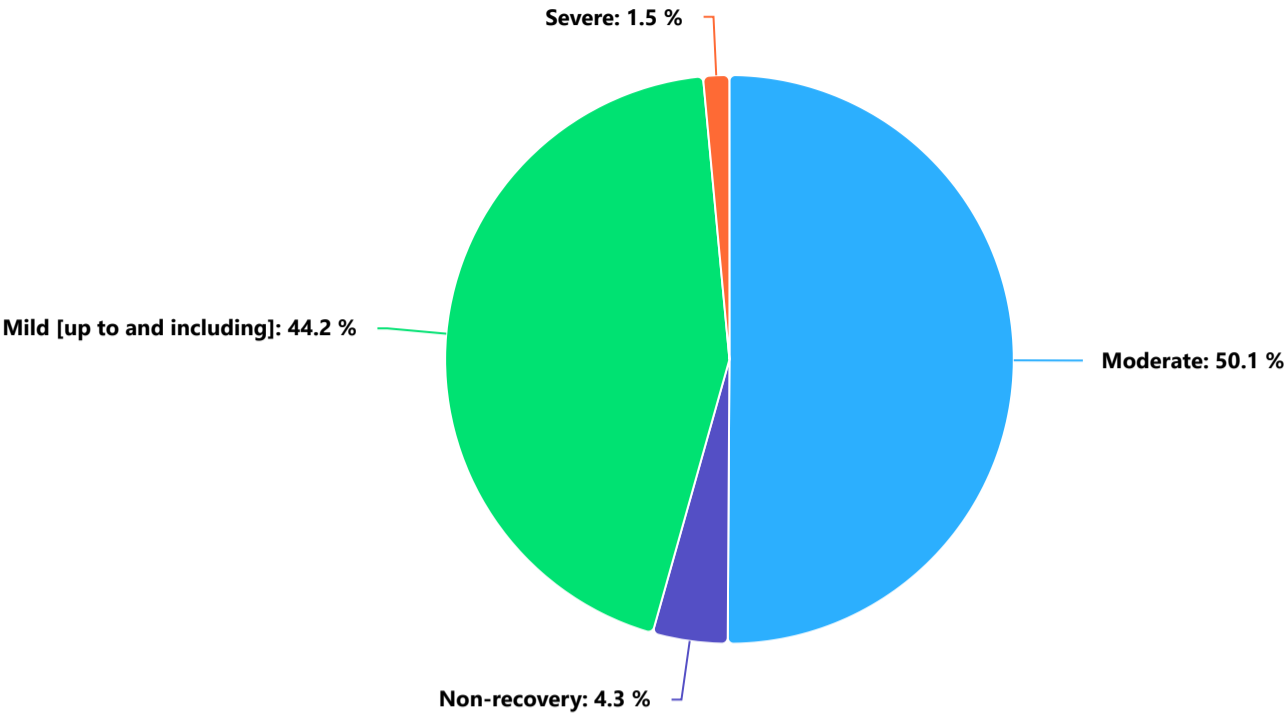
Percentage

Number of animals

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Excel

Uses of animals by severity



Uses of animals by species and severity

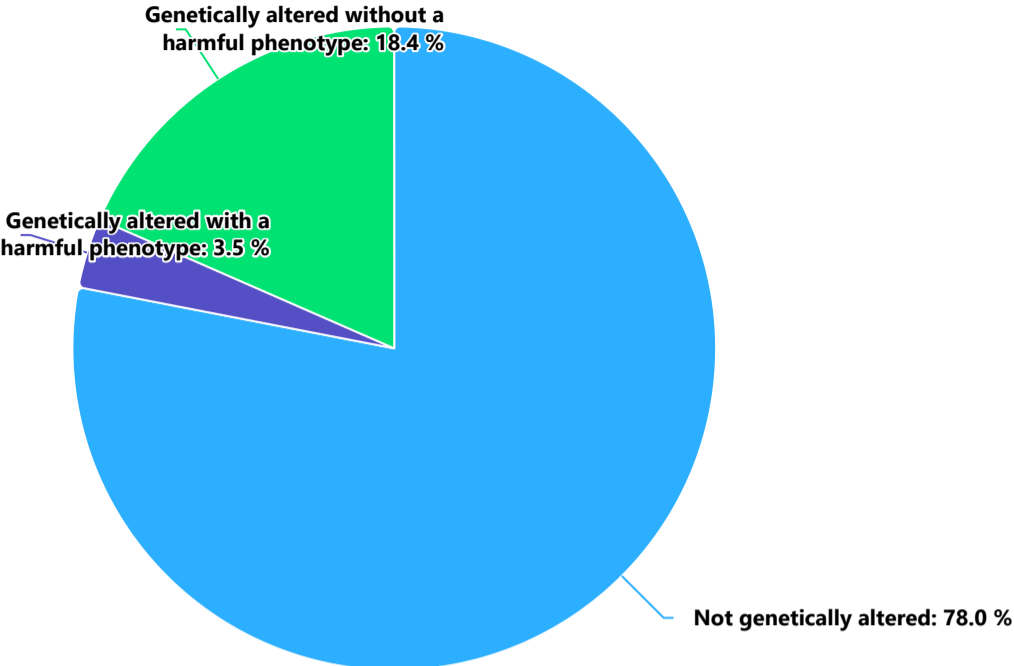
Species	Non-recovery	Mild [up to and including]	Moderate	Severe	Total
Mice	6048	52210	78427	2176	138861
Rats	1789	10631	10879	275	23574
Guinea-Pigs	70	1254	315	0	1639
Hamsters (Syrian)	0	30	76	0	106
Rabbits	1	1764	103	2	1870
Dogs	0	143	324	6	473
Horses, donkeys and cross-breeds	0	17	16	0	33
Pigs	898	8255	3702	142	12997
Goats	0	2	0	0	2
Sheep	0	28	46	0	74
Cattle	0	4561	45	2	4608
Other mammals	0	0	21	0	21
Domestic fowl	7	2171	481	0	2659
Other birds	0	399	21	0	420
Reptiles	0	59	65	0	124
Xenopus	0	490	0	0	490
Other amphibians	36	35	38	0	109
Zebra fish	0	4816	1314	297	6427
Sea bass	0	5	0	0	5
Salmon, trout, chars and graylings	0	4697	7942	178	12817
Other fish	0	213	320	0	533
Total	8849	91780	104135	3078	207842

Excel

Proportions of uses of animals by species and severity

Species	Non-recovery	Mild [up to and including]	Moderate	Severe	Total
Mice	4.36%	37.60%	56.48%	1.57%	100%
Rats	7.59%	45.10%	46.15%	1.17%	100%
Guinea-Pigs	4.27%	76.51%	19.22%	0.00%	100%
Hamsters (Syrian)	0.00%	28.30%	71.70%	0.00%	100%
Rabbits	0.05%	94.33%	5.51%	0.11%	100%
Dogs	0.00%	30.23%	68.50%	1.27%	100%
Horses, donkeys and cross-breeds	0.00%	51.52%	48.48%	0.00%	100%
Pigs	6.91%	63.51%	28.48%	1.09%	100%
Goats	0.00%	100.00%	0.00%	0.00%	100%
Sheep	0.00%	37.84%	62.16%	0.00%	100%
Cattle	0.00%	98.98%	0.98%	0.04%	100%
Other mammals	0.00%	0.00%	100.00%	0.00%	100%
Domestic fowl	0.26%	81.65%	18.09%	0.00%	100%
Other birds	0.00%	95.00%	5.00%	0.00%	100%
Reptiles	0.00%	47.58%	52.42%	0.00%	100%
Xenopus	0.00%	100.00%	0.00%	0.00%	100%
Other amphibians	33.03%	32.11%	34.86%	0.00%	100%
Zebra fish	0.00%	74.93%	20.44%	4.62%	100%
Sea bass	0.00%	100.00%	0.00%	0.00%	100%
Salmon, trout, chars and graylings	0.00%	36.65%	61.96%	1.39%	100%
Other fish	0.00%	39.96%	60.04%	0.00%	100%
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Uses of animals by genetic status

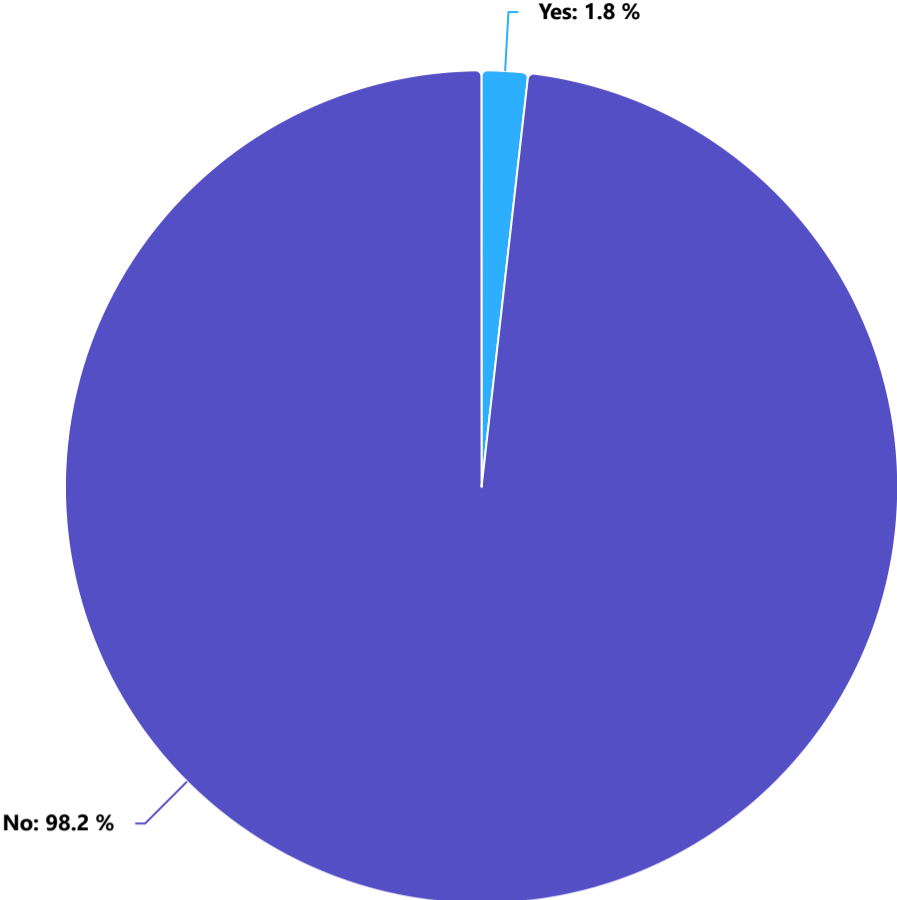


Uses of animals by species and genetic status

Species	Not genetically altered	Genetically altered without a harmful phenotype	Genetically altered with a harmful phenotype	Total
Mice	95968	35559	7334	138861
Rats	22545	1029	0	23574
Guinea-Pigs	1639	0	0	1639
Hamsters (Syrian)	106	0	0	106
Rabbits	1870	0	0	1870
Dogs	473	0	0	473
Horses, donkeys and cross-breeds	33	0	0	33
Pigs	12973	24	0	12997
Goats	2	0	0	2
Sheep	74	0	0	74
Cattle	4608	0	0	4608
Other mammals	21	0	0	21
Domestic fowl	2659	0	0	2659
Other birds	420	0	0	420
Reptiles	124	0	0	124
Xenopus	490	0	0	490
Other amphibians	109	0	0	109
Zebra fish	4732	1695	0	6427
Sea bass	5	0	0	5
Salmon, trout, chars and graylings	12817	0	0	12817
Other fish	533	0	0	533
Total	162201	38307	7334	207842

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Reuse of animals



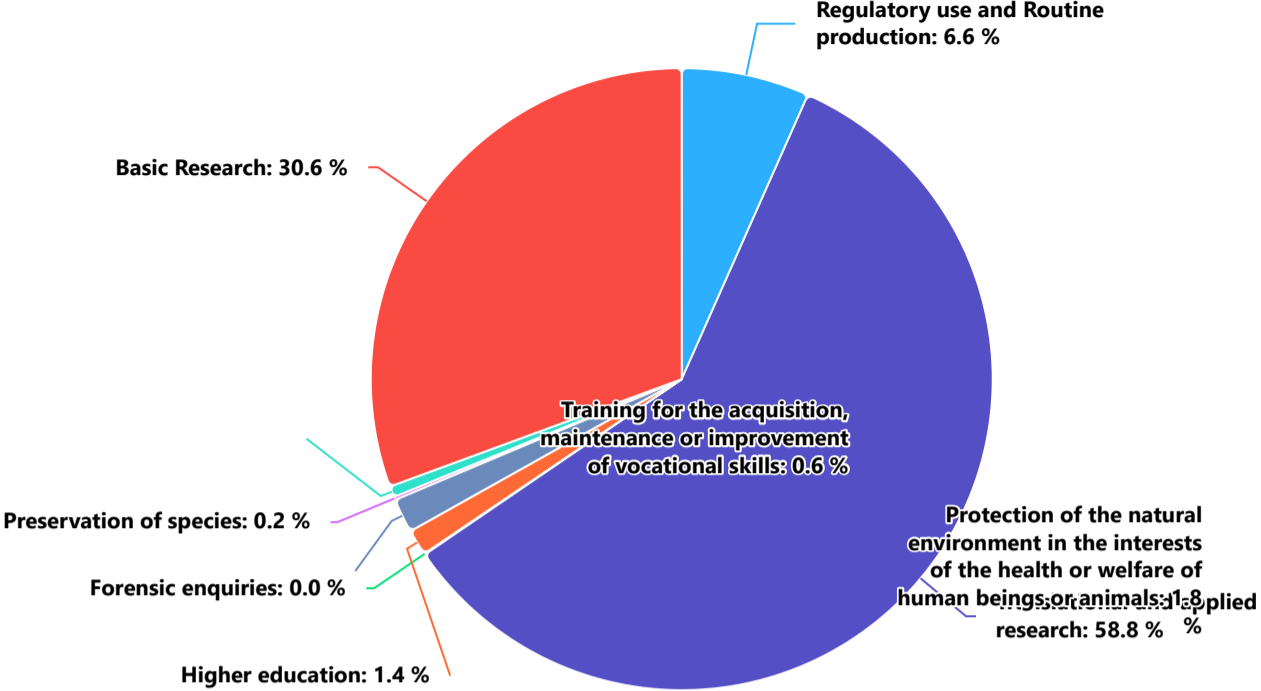
USES OF ANIMALS BY MAIN CATEGORIES OF SCIENTIFIC PURPOSES

Uses of animals by main categories of scientific purposes

Purpose	Number of uses
Basic Research	63625
Translational and applied research	122274
Regulatory use and Routine production	13816
Protection of the natural environment in the interests of the health or welfare of human beings or animals	3685
Preservation of species	350
Higher education	2819
Training for the acquisition, maintenance or improvement of vocational skills	1180
Forensic enquiries	93
Total	207842

Excel

Uses of animals by main categories of scientific purposes



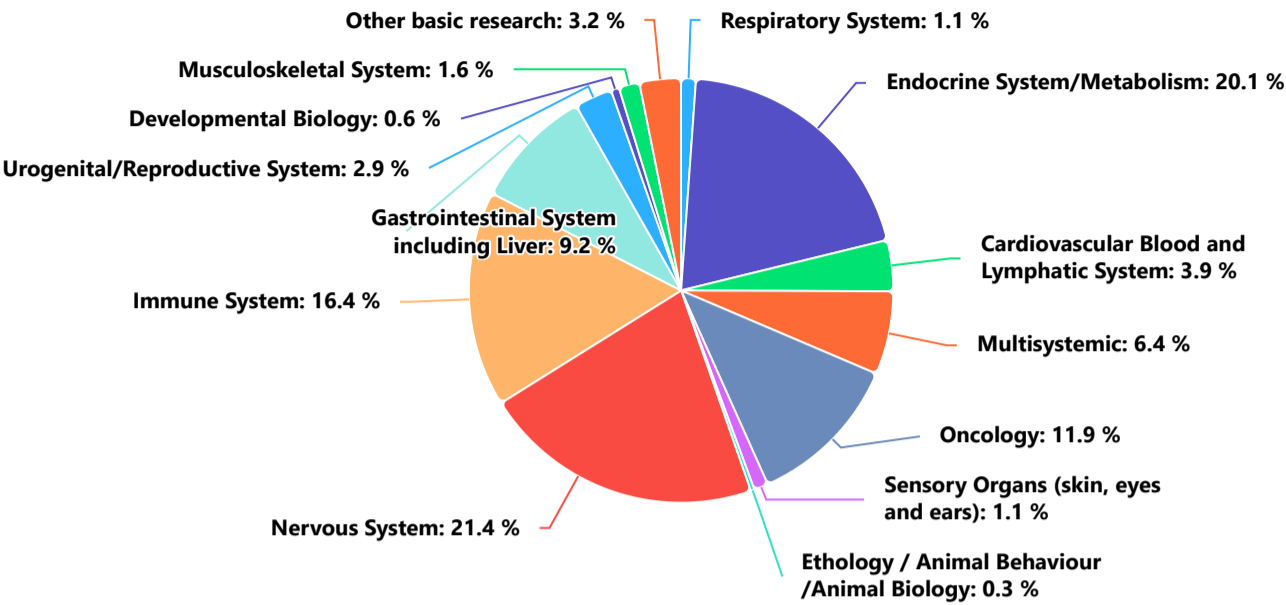
BASIC RESEARCH RELATED USES

Basic research related uses

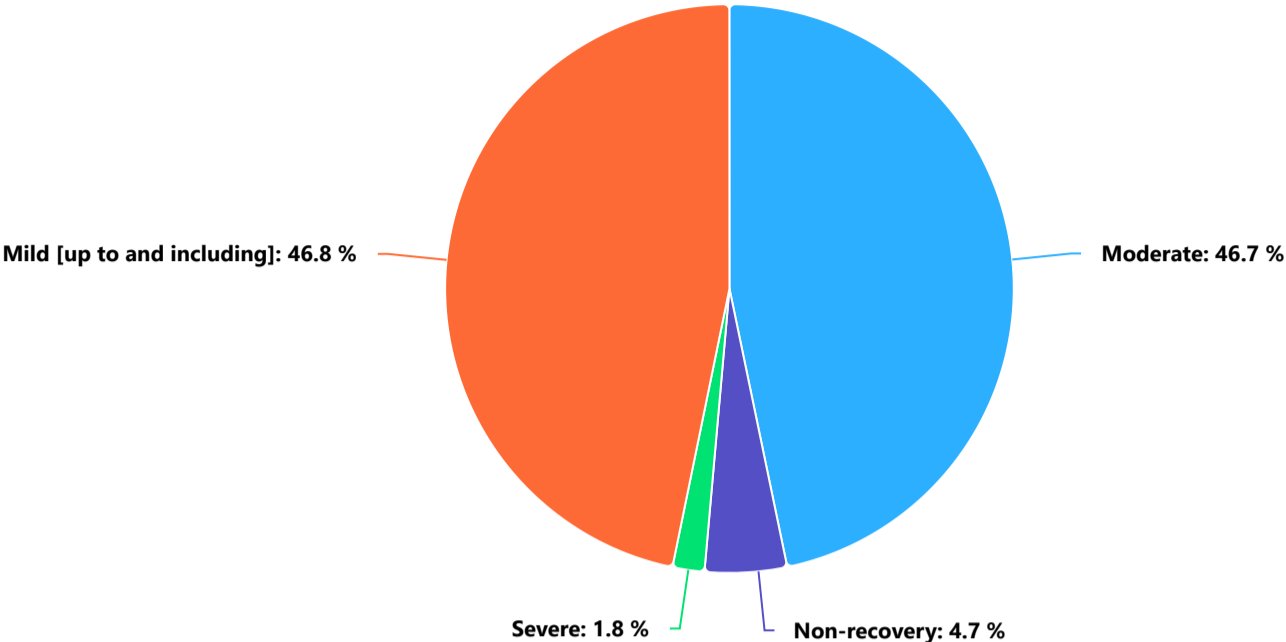
Purpose	Number of uses
Oncology	7558
Cardiovascular Blood and Lymphatic System	2470
Nervous System	13640
Respiratory System	717
Gastrointestinal System including Liver	5867
Musculoskeletal System	1000
Immune System	10466
Urogenital/Reproductive System	1828
Sensory Organs (skin, eyes and ears)	693
Endocrine System/Metabolism	12757
Developmental Biology	393
Multisystemic	4046
Ethology / Animal Behaviour /Animal Biology	179
Other basic research	2011
Total	63625

Excel

Basic research related uses



Basic research related uses by severity



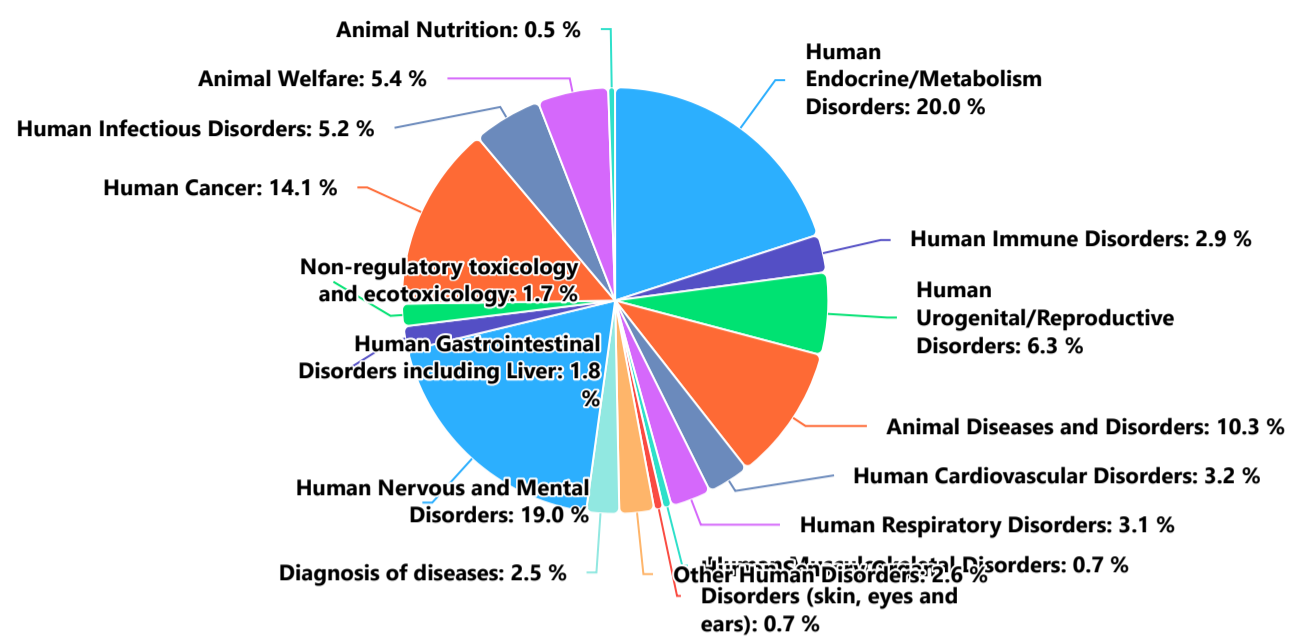
TRANSLATIONAL AND APPLIED RESEARCH RELATED USES

Translational and applied research related uses

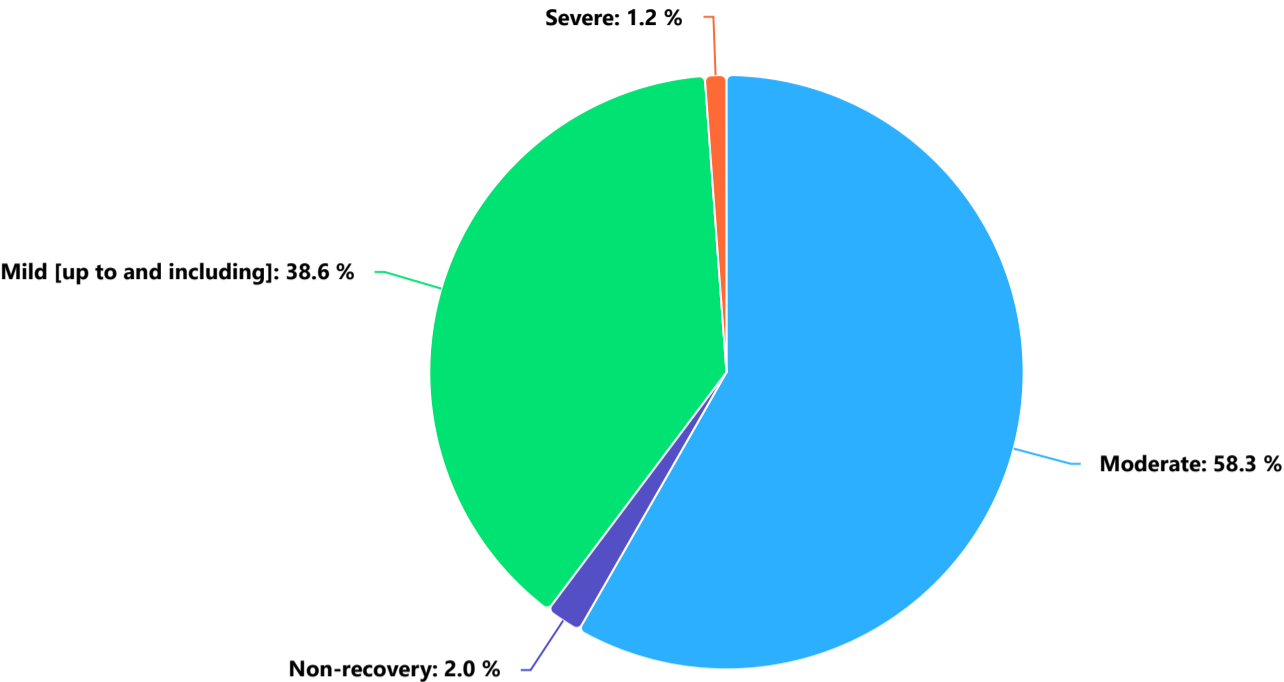
Purpose	Number of uses
Human Cancer	17214
Human Infectious Disorders	6413
Human Cardiovascular Disorders	3953
Human Nervous and Mental Disorders	23286
Human Respiratory Disorders	3753
Human Gastrointestinal Disorders including Liver	2243
Human Musculoskeletal Disorders	808
Human Immune Disorders	3493
Human Urogenital/Reproductive Disorders	7654
Human Sensory Organ Disorders (skin, eyes and ears)	805
Human Endocrine/Metabolism Disorders	24461
Other Human Disorders	3230
Animal Diseases and Disorders	12589
Animal Nutrition	624
Animal Welfare	6592
Diagnosis of diseases	3066
Non-regulatory toxicology and ecotoxicology	2090
Total	122274

Excel

Translational and applied research related uses



Translational and applied research related uses by severity



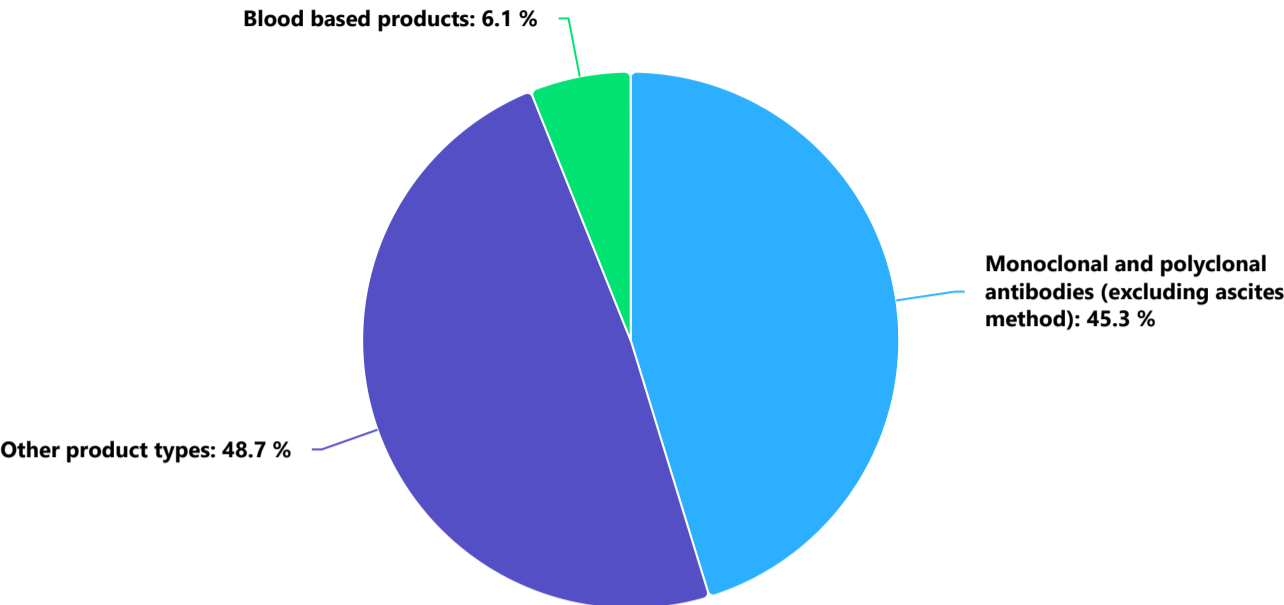
ROUTINE PRODUCTION USES

Routine production uses

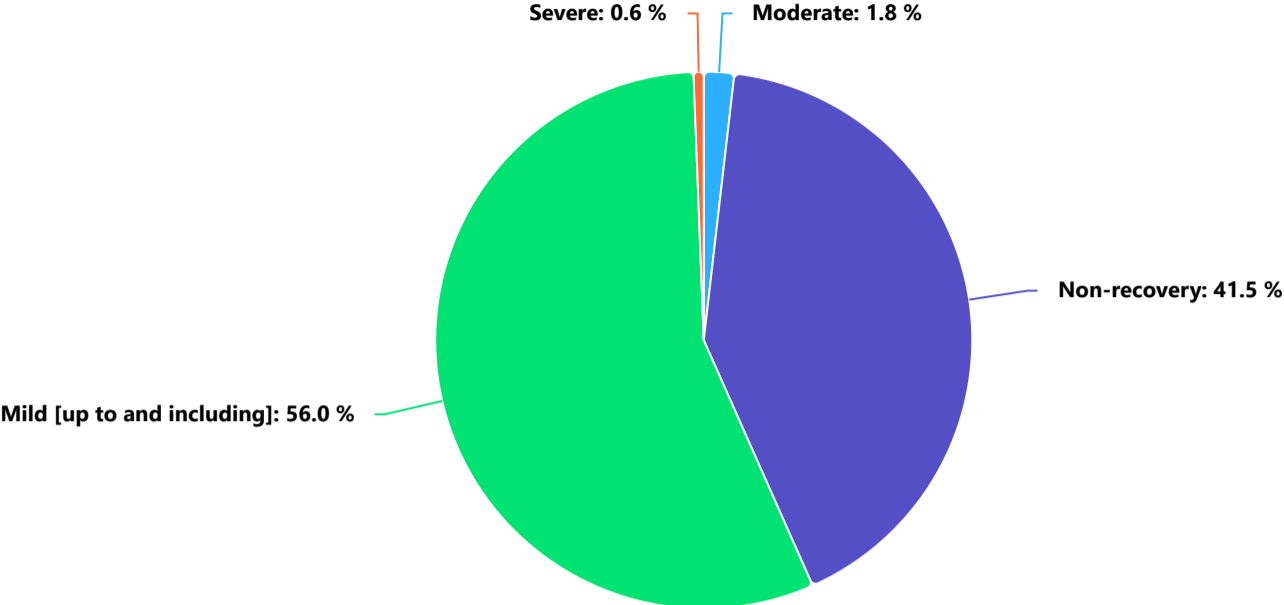
Purpose	Number of uses
Blood based products	190
Monoclonal and polyclonal antibodies (excluding ascites method)	1415
Other product types	1521
Total	3126

Excel

Routine production uses



Routine production uses by severity



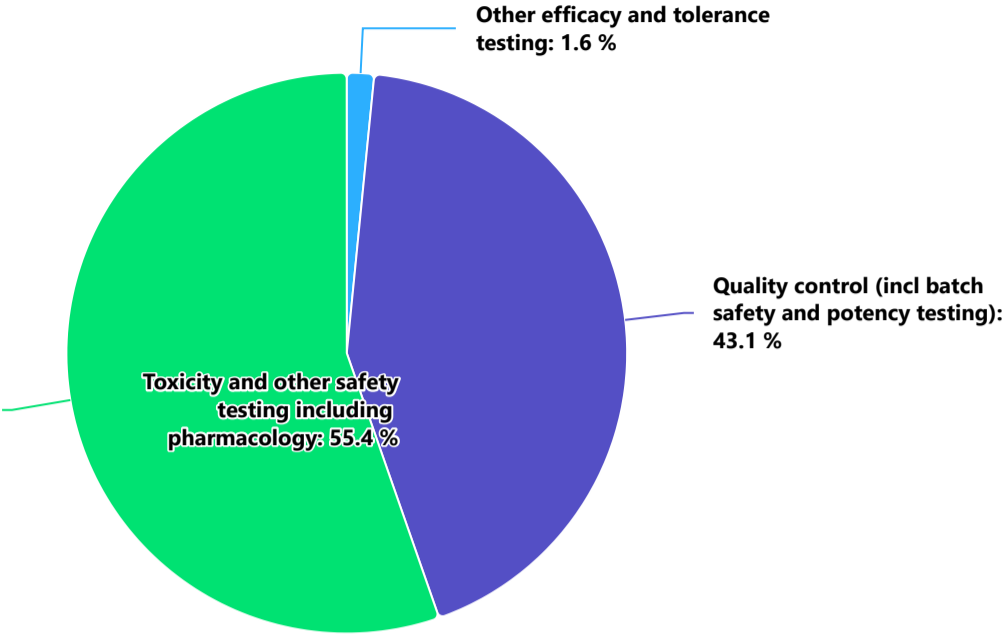
REGULATORY USES

Regulatory uses

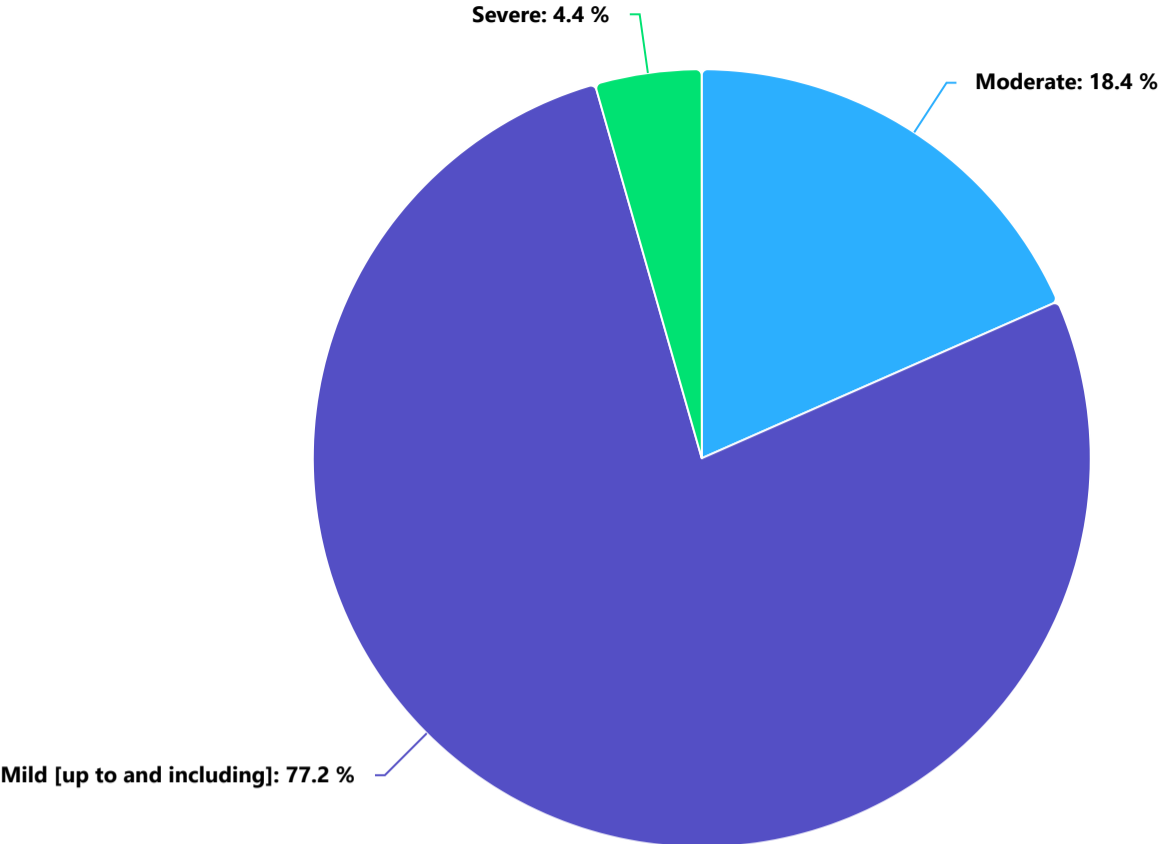
Purpose	Number of uses
Quality control (incl batch safety and potency testing)	4605
Other efficacy and tolerance testing	168
Toxicity and other safety testing including pharmacology	5917
Total	10690

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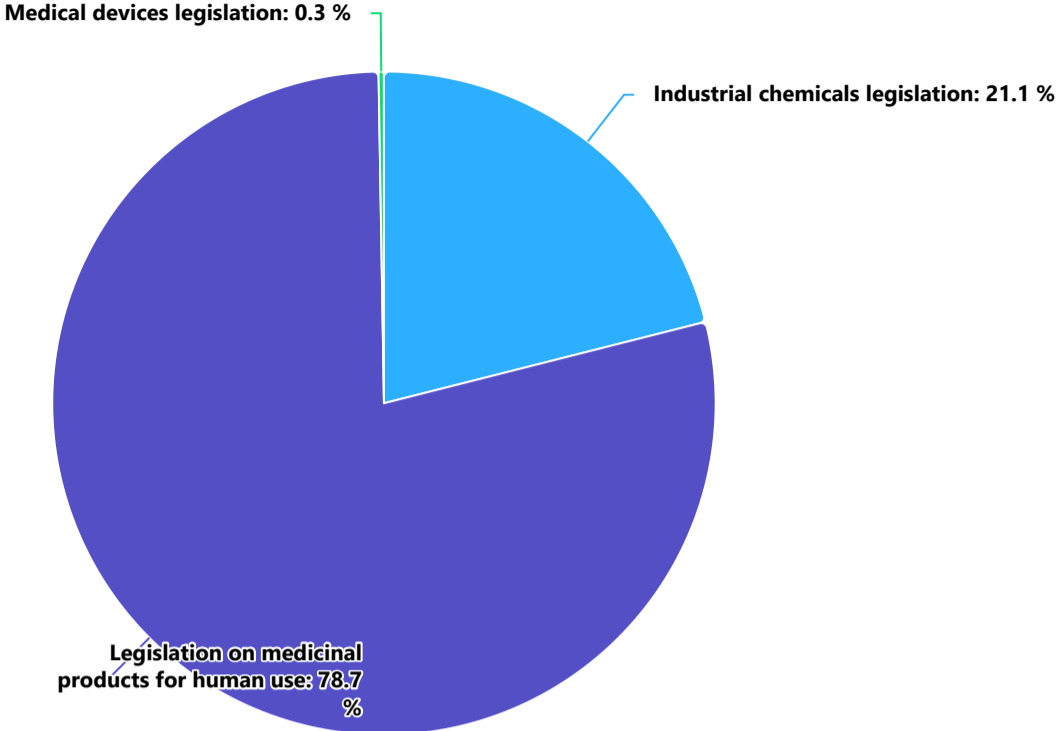
Regulatory uses



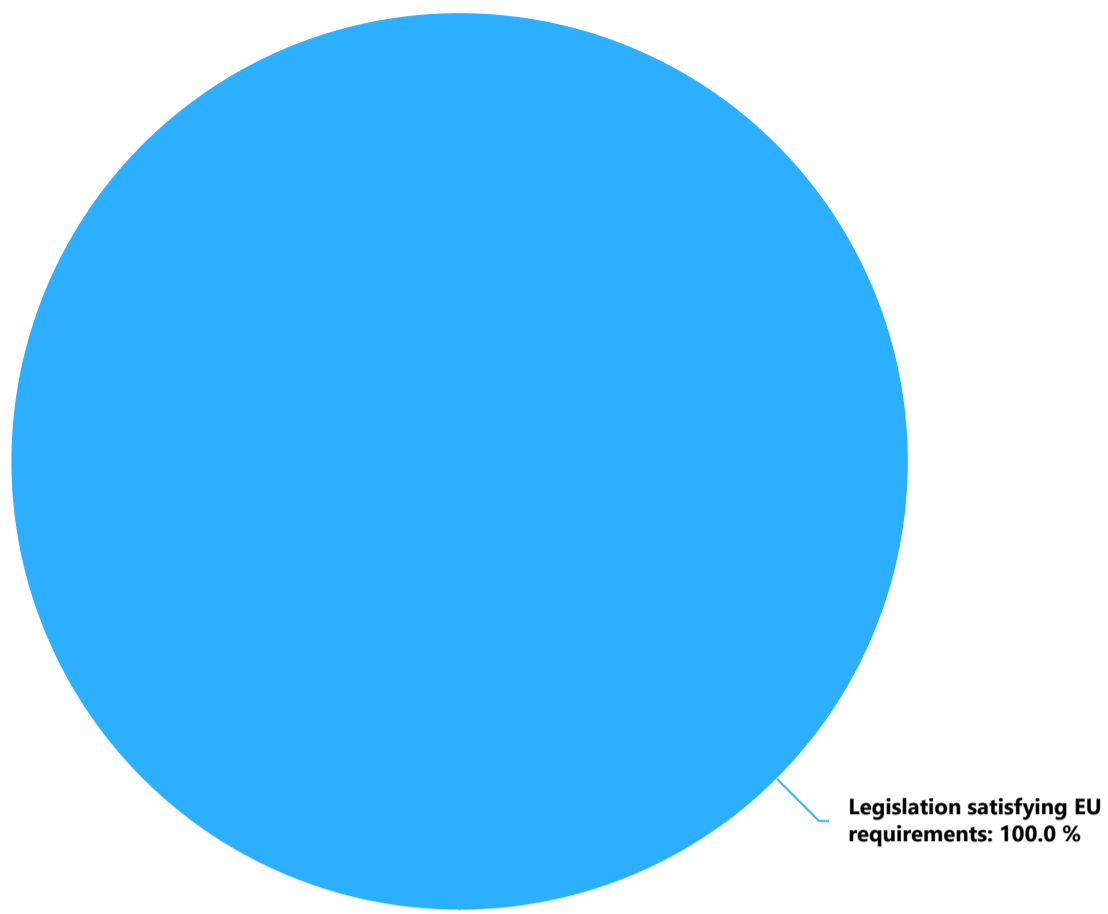
Regulatory uses by severity



Regulatory uses by type of legislation



Regulatory uses by regulatory requirement



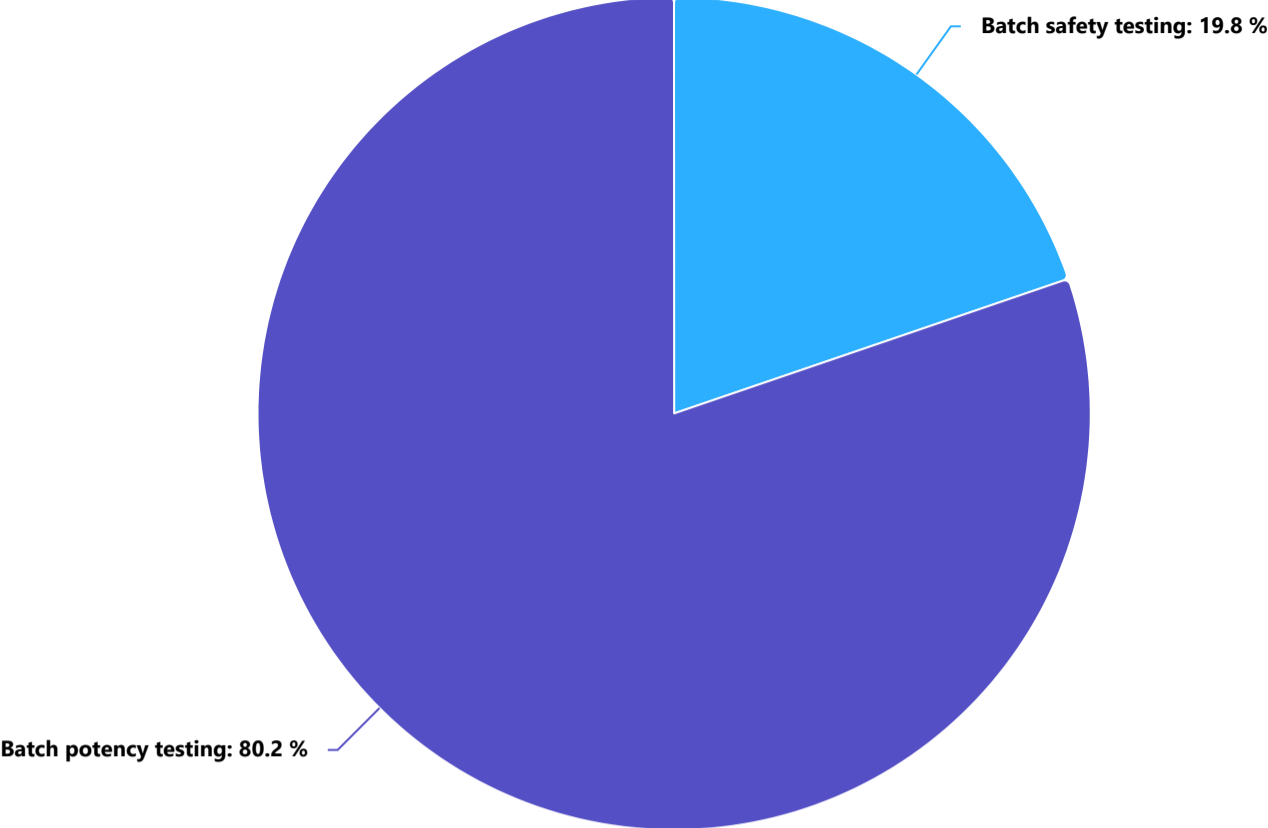
REGULATORY USES: QUALITY CONTROL (INCLUDING BATCH SAFETY AND POTENCY TESTING)

Regulatory uses: Quality control

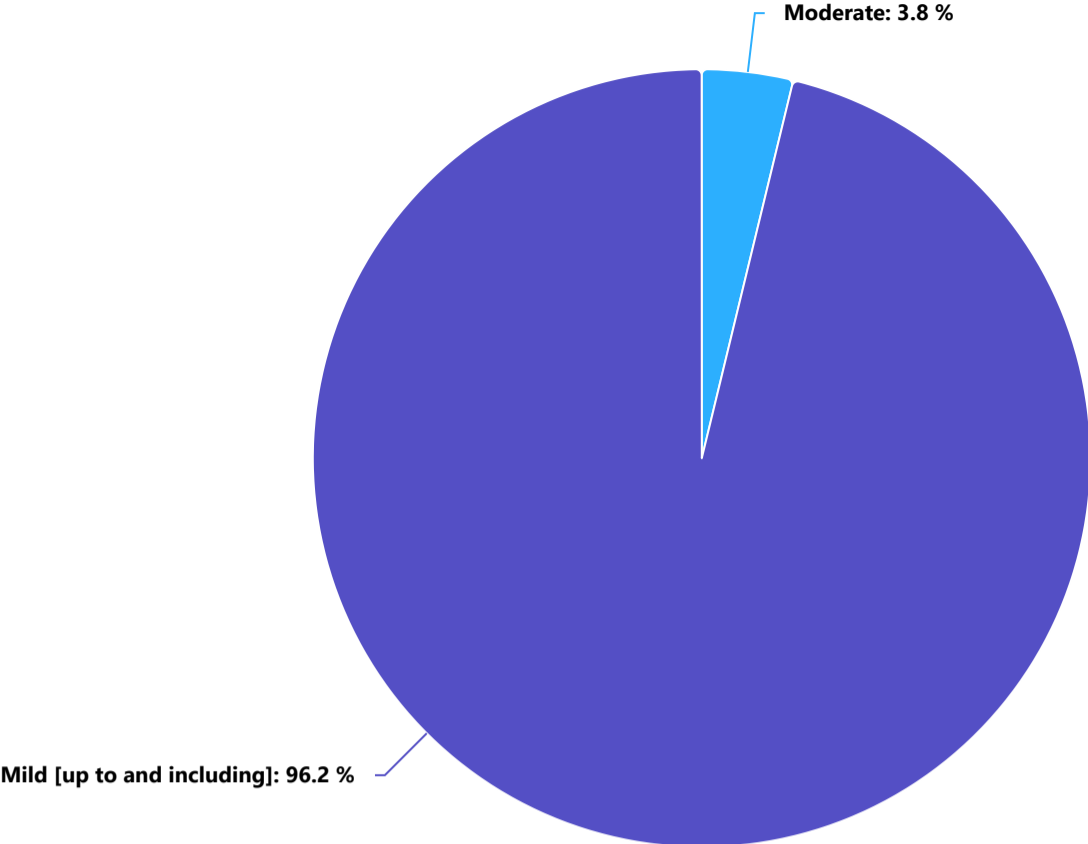
Purpose	Number of uses
Batch safety testing	910
Batch potency testing	3695
Total	4605

Excel

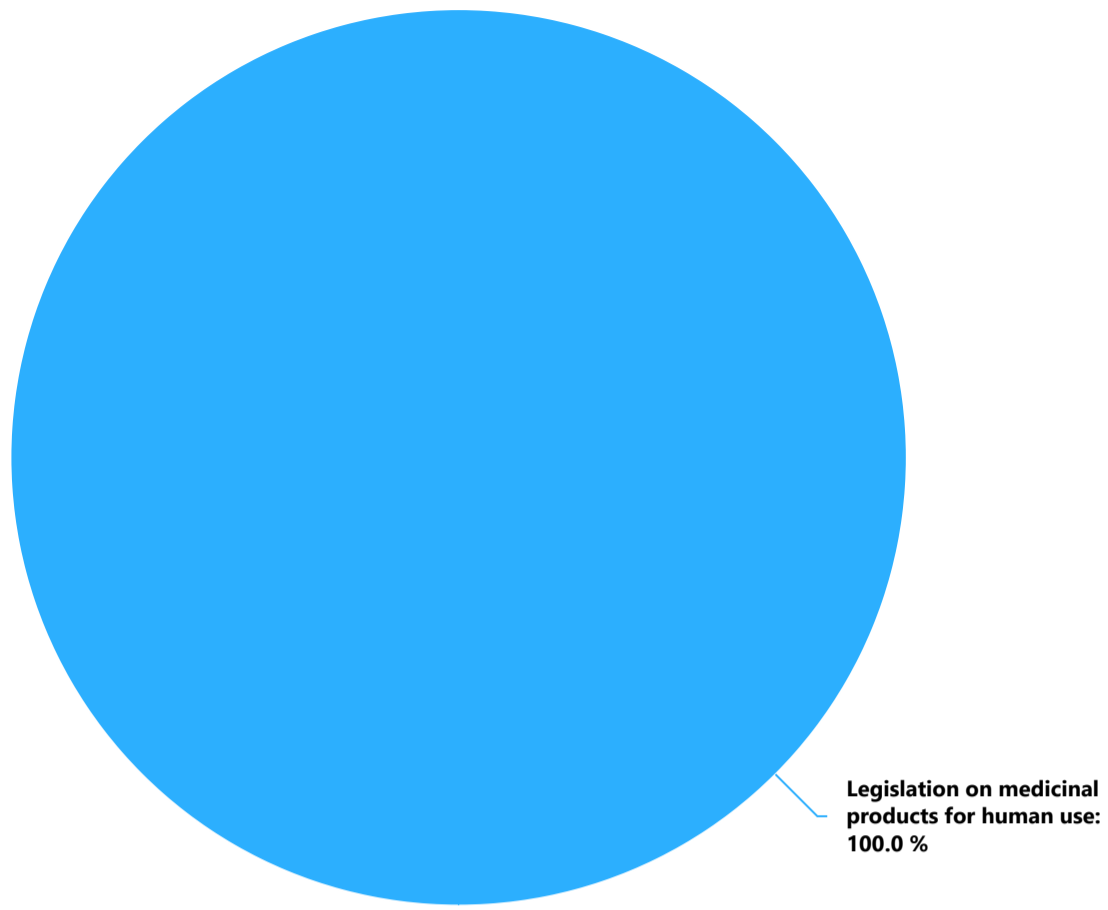
Regulatory uses: Quality control



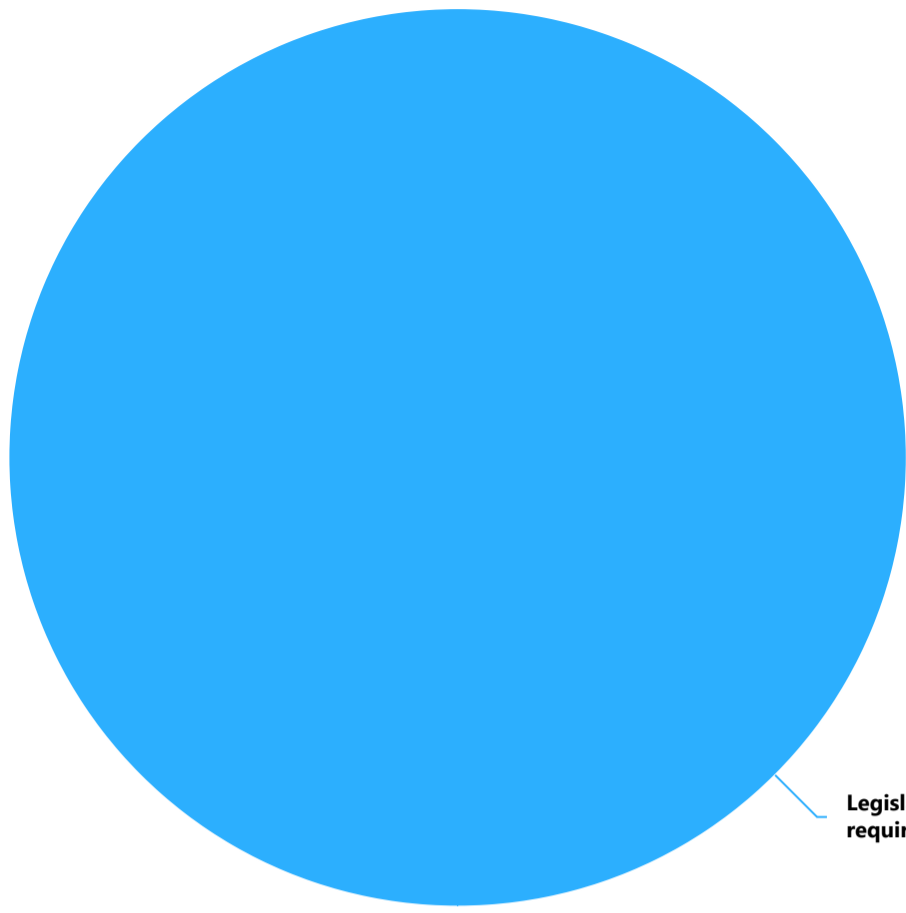
Regulatory uses: Quality control by severity



Regulatory uses: Quality control by type of legislation



Regulatory uses: Quality control by regulatory requirement



Legislation satisfying EU requirements: 100.0 %

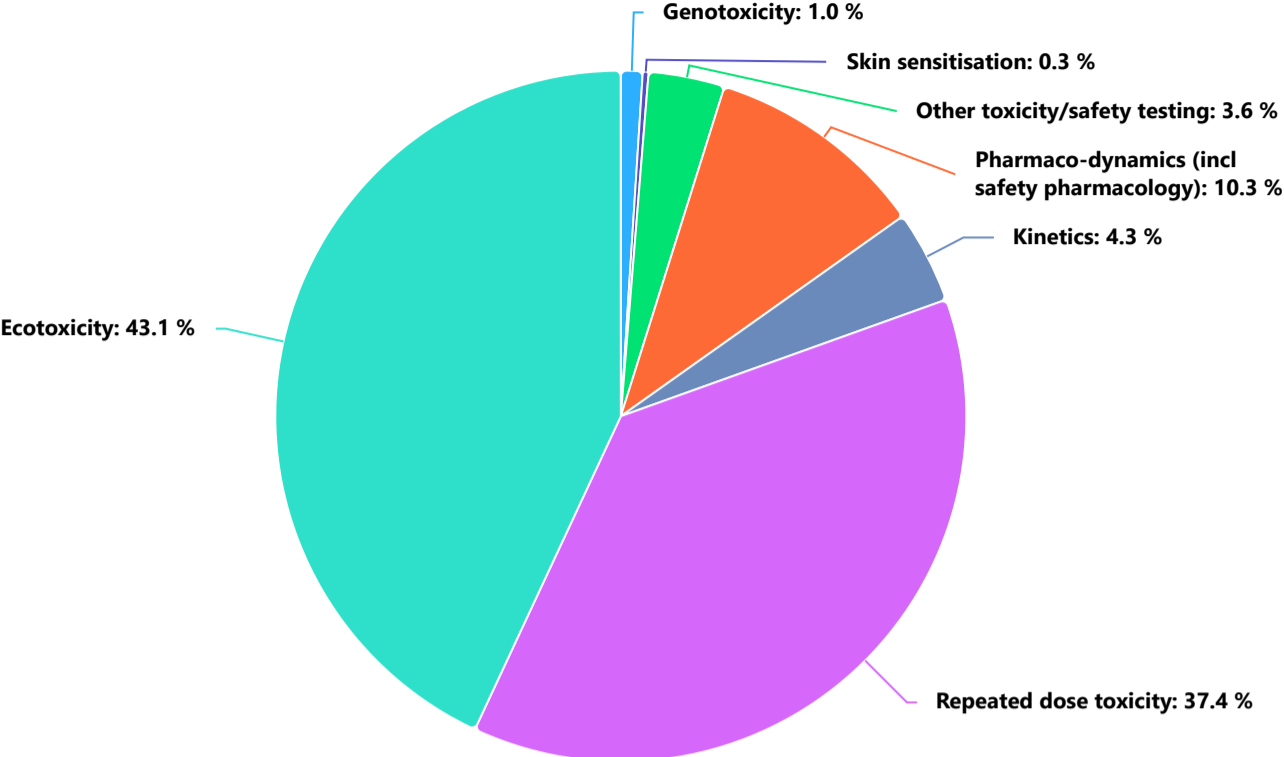
REGULATORY USES: TOXICITY AND OTHER SAFETY TESTING INCLUDING PHARMACOLOGY

Regulatory uses: Toxicity

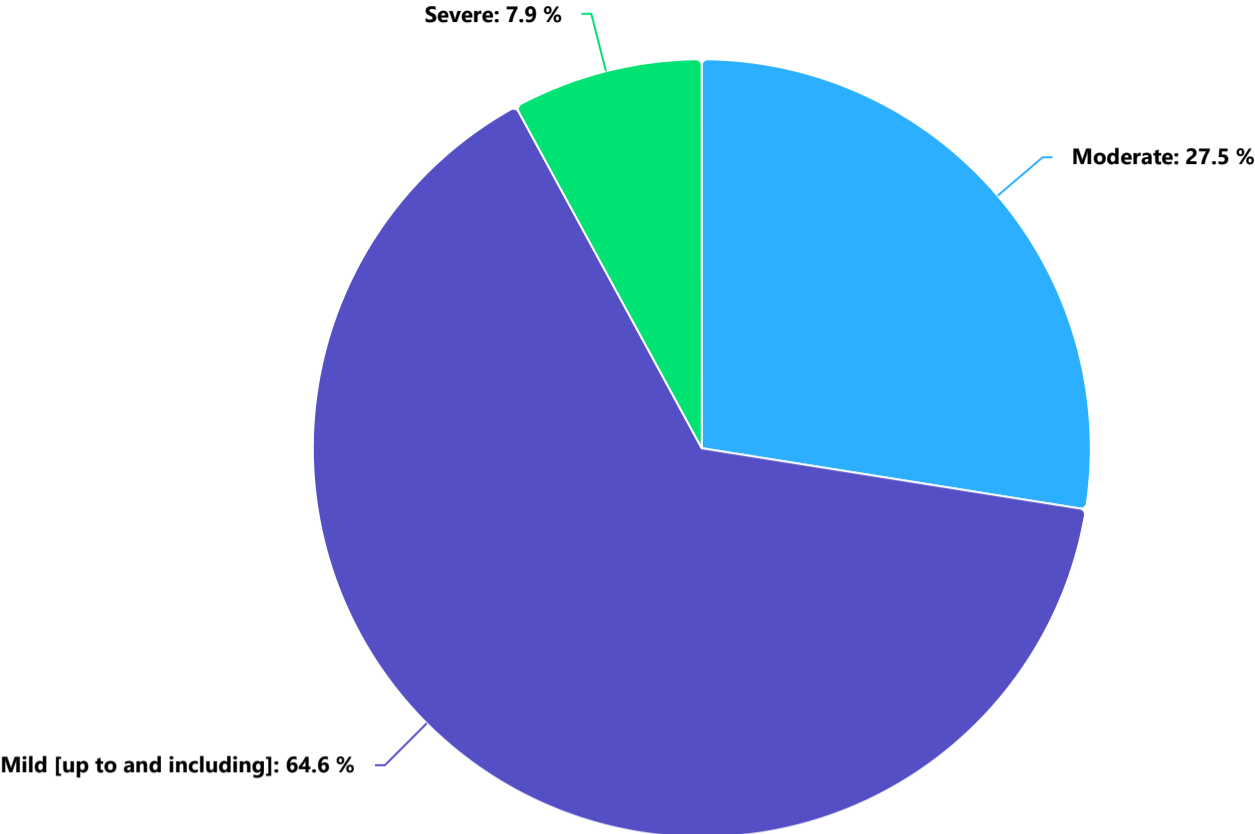
Purpose	Number of uses
Skin sensitisation	16
Repeated dose toxicity	2214
Genotoxicity	60
Kinetics	257
Pharmaco-dynamics (incl safety pharmacology)	611
Ecotoxicity	2548
Other toxicity/safety testing	211
Total	5917

Excel

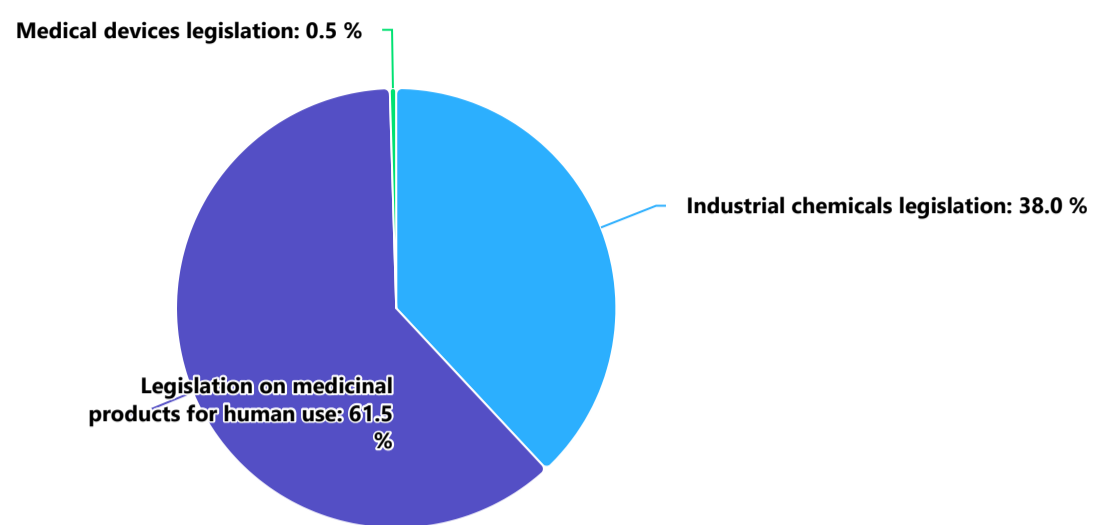
Regulatory uses: Toxicity



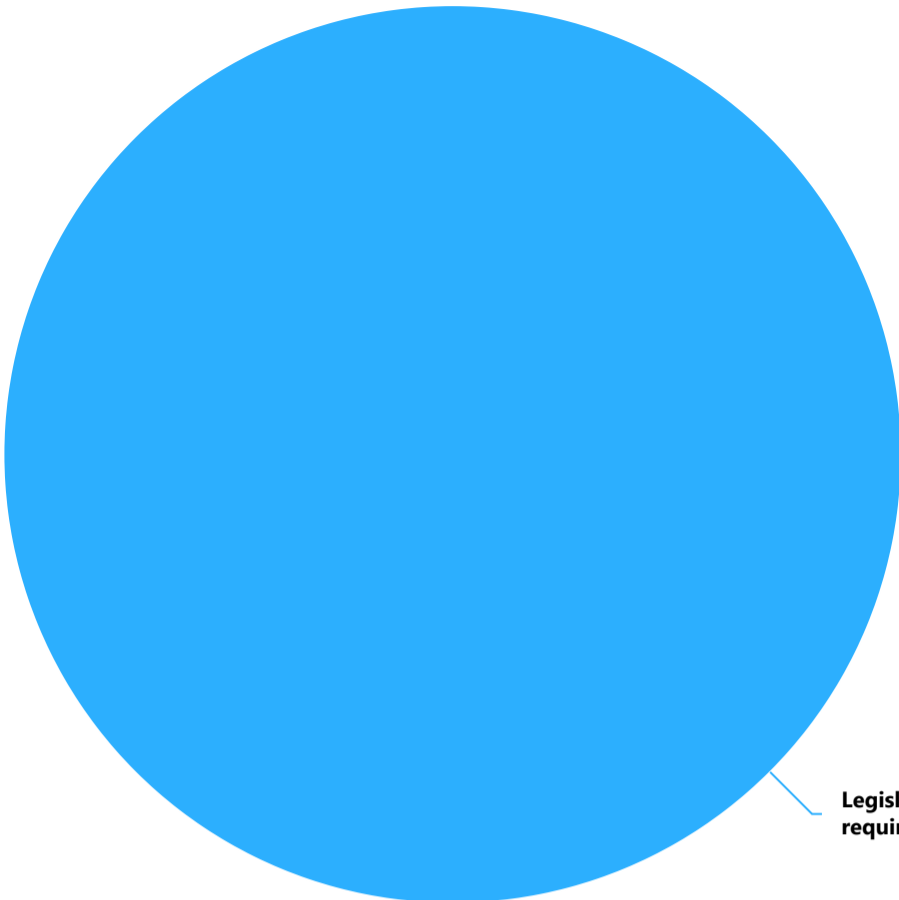
Regulatory uses: Toxicity by severity



Regulatory uses: Toxicity by type of legislation



Regulatory uses: Toxicity by regulatory requirement



Legislation satisfying EU requirements: 100.0 %

REGULATORY USES : TOXICITY AND OTHER SAFETY TESTING INCLUDING PHARMACOLOGY: ACUTE AND SUB-ACUTE TOXICITY TESTING METHODS

Regulatory uses: Toxicity: Acute and sub-acute

Purpose	Number of uses
No data available in table	

Excel

Regulatory uses: Toxicity: Acute and sub-acute

Regulatory uses: Toxicity: Acute and sub-acute by severity

Regulatory uses: Toxicity: Acute and sub-acute by regulatory requirement

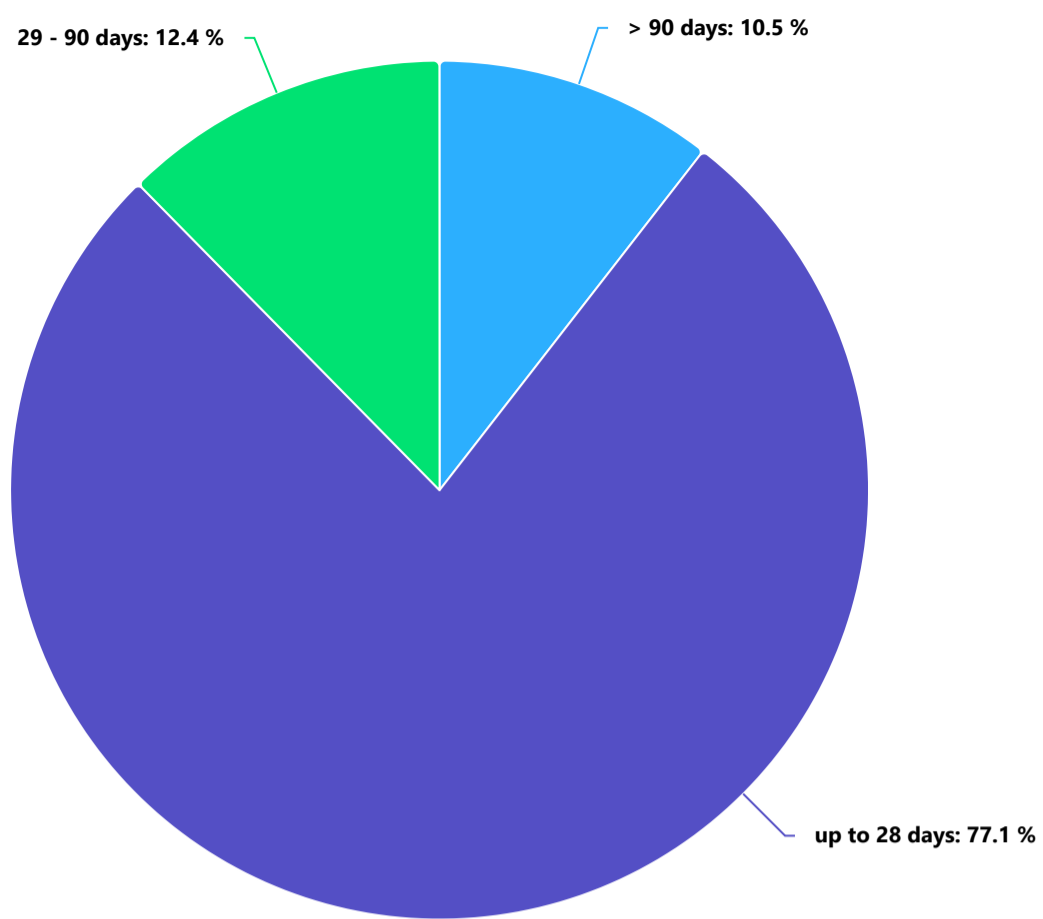
REGULATORY USES: TOXICITY AND OTHER SAFETY TESTING INCLUDING PHARMACOLOGY: REPEATED DOSE TOXICITY

Regulatory uses: Toxicity: Repeated dose

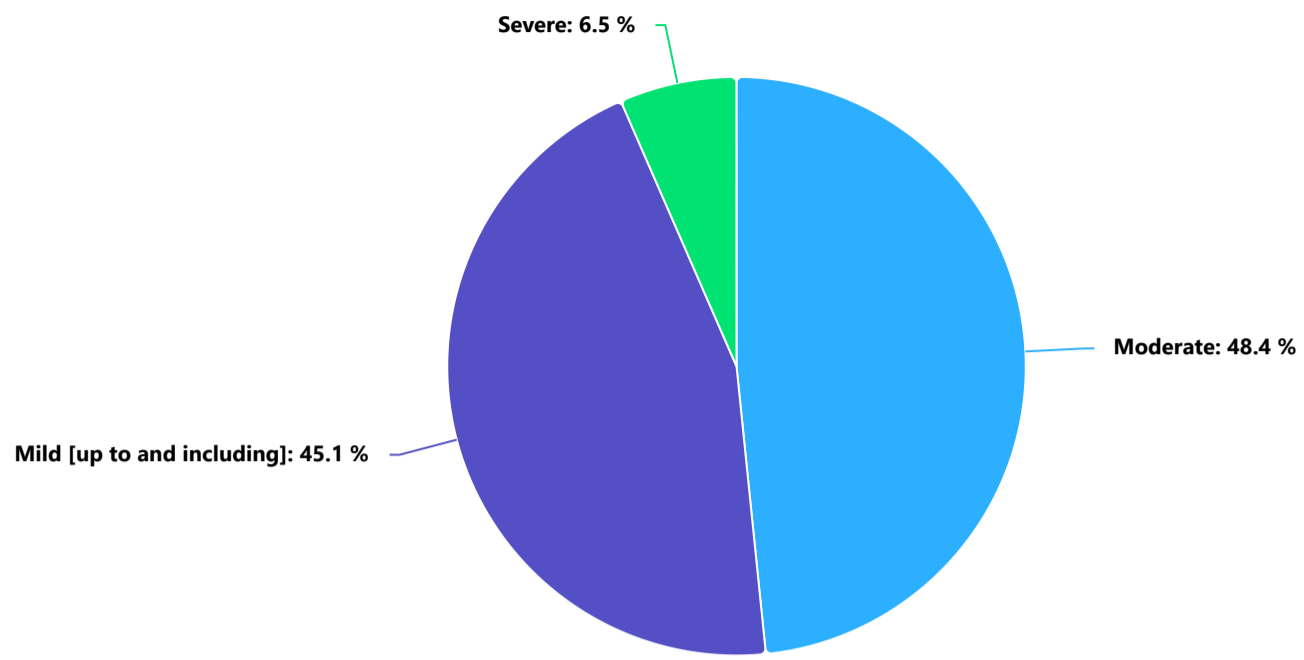
Purpose	Number of uses
up to 28 days	1707
29 - 90 days	274
> 90 days	233
Total	2214

Excel

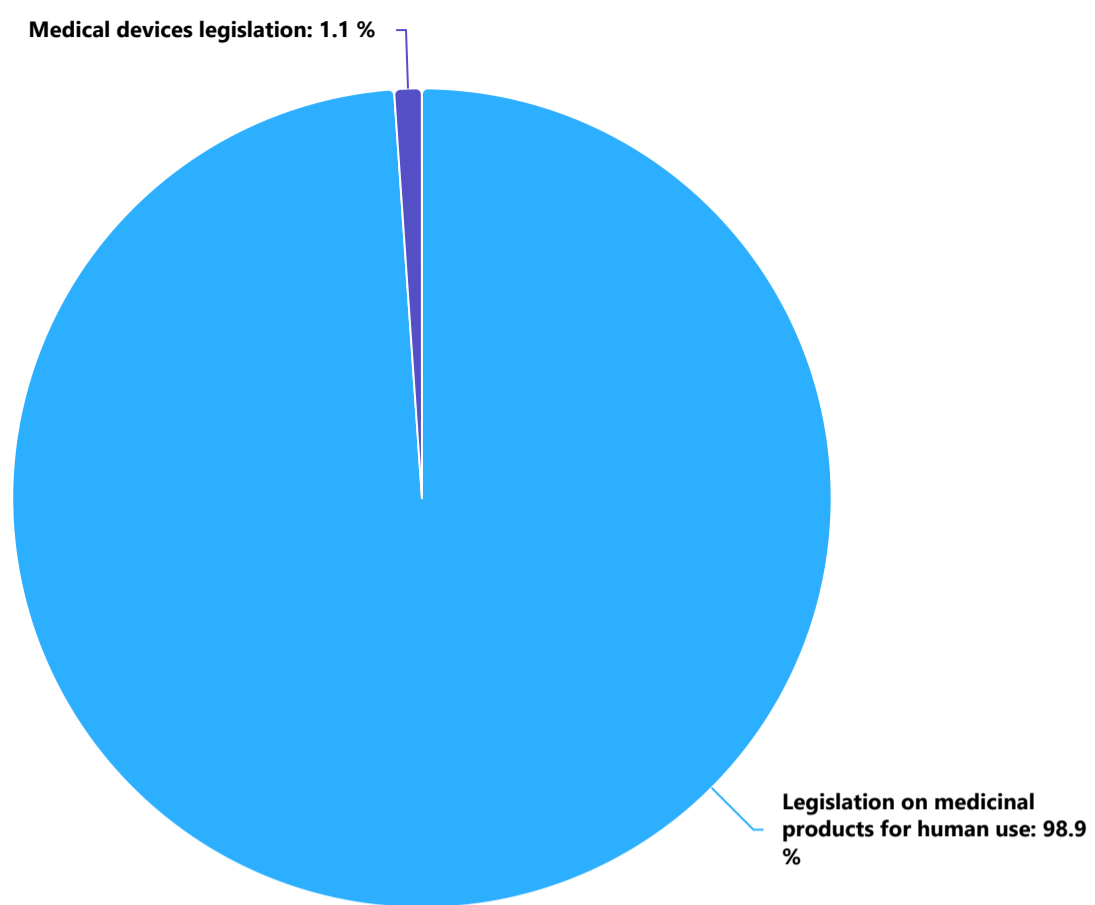
Regulatory uses: Toxicity: Repeated dose



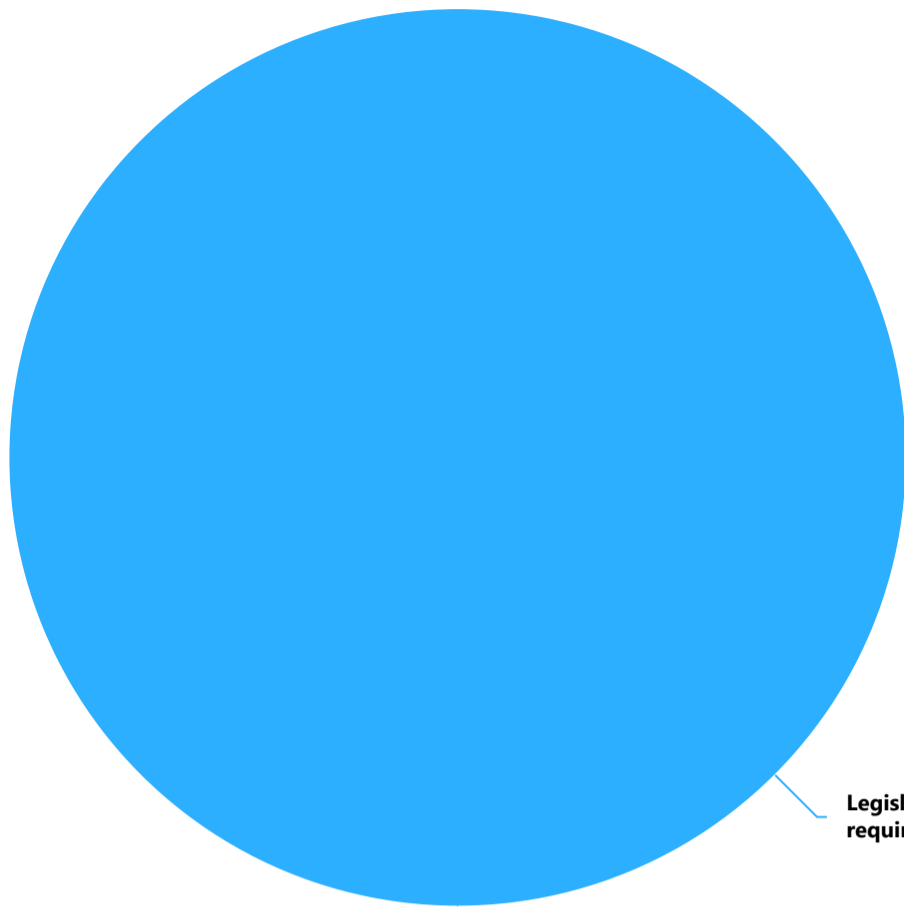
Regulatory uses: Toxicity: Repeated dose by severity



Regulatory uses: Toxicity: Repeated dose by type of legislation



Regulatory uses: Toxicity: Repeated dose by regulatory requirement



Legislation satisfying EU requirements: 100.0 %

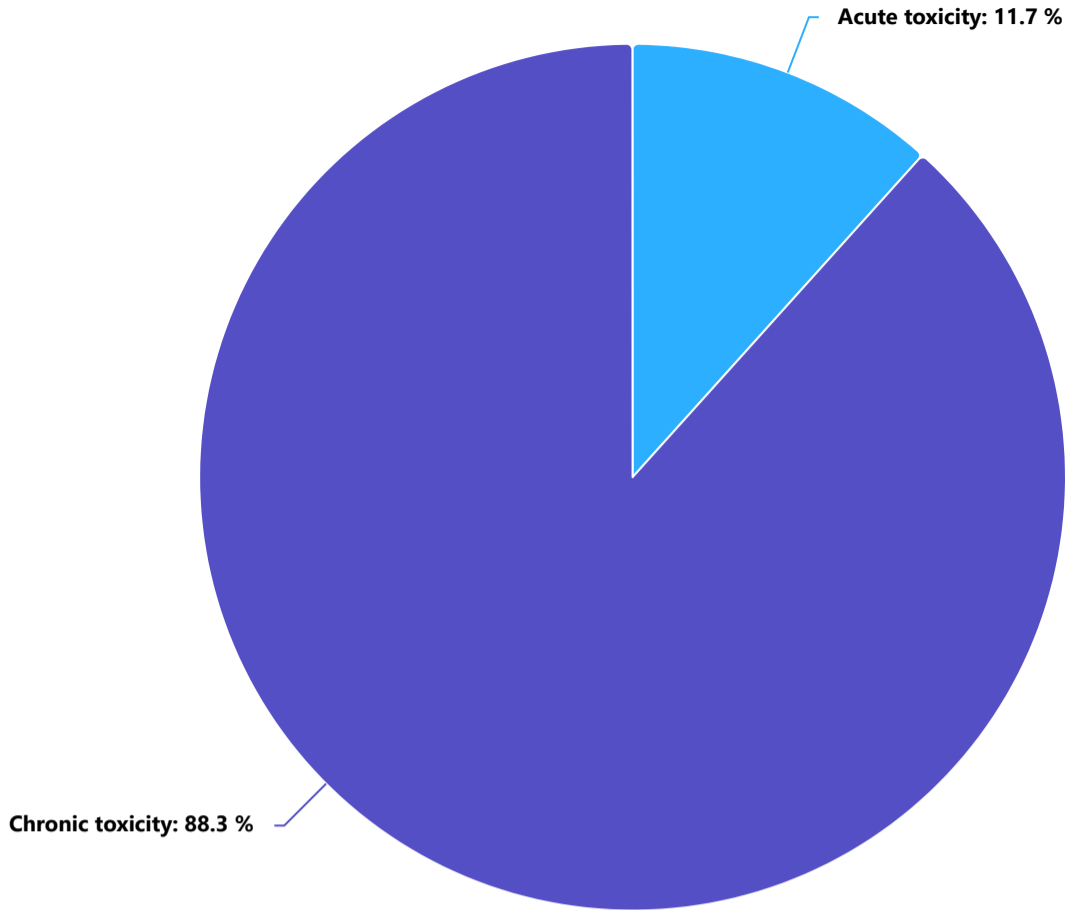
REGULATORY USES: TOXICITY AND OTHER SAFETY TESTING INCLUDING PHARMACOLOGY: ECOTOXICITY

Regulatory uses: Toxicity: Ecotoxicity

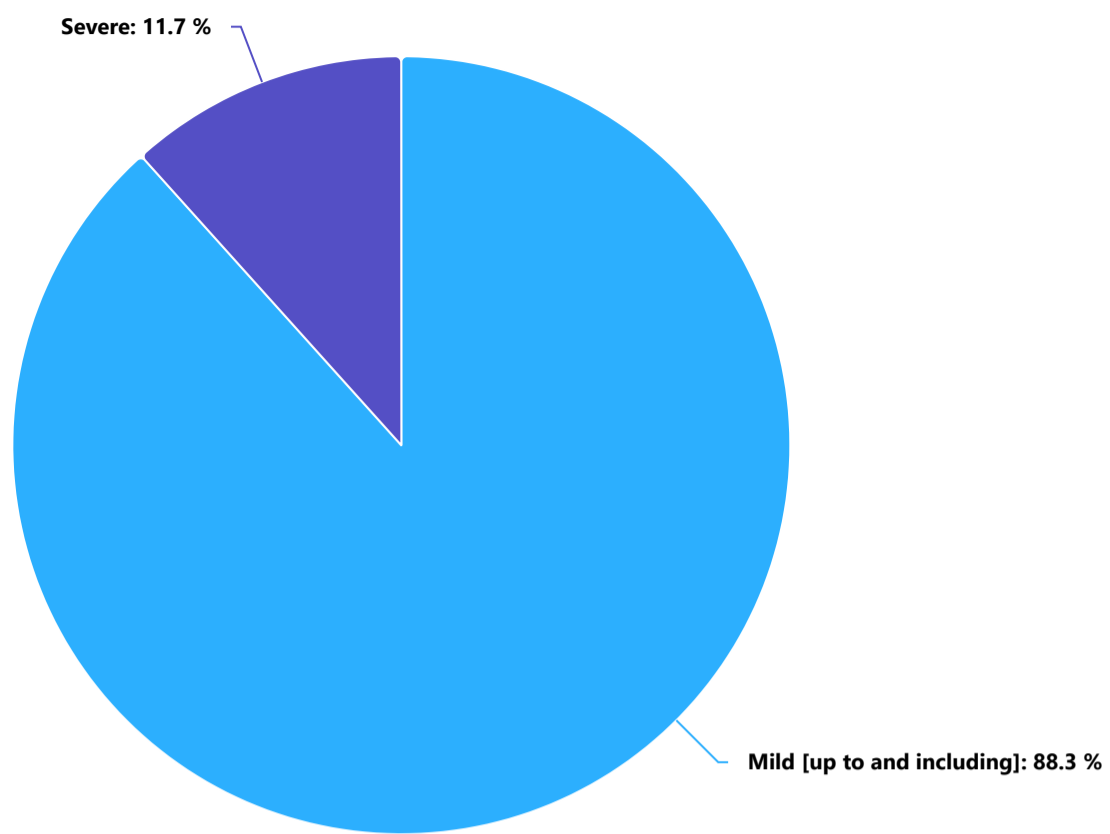
Purpose	Number of animals
Acute toxicity	297
Chronic toxicity	2251
Total	2548

Excel

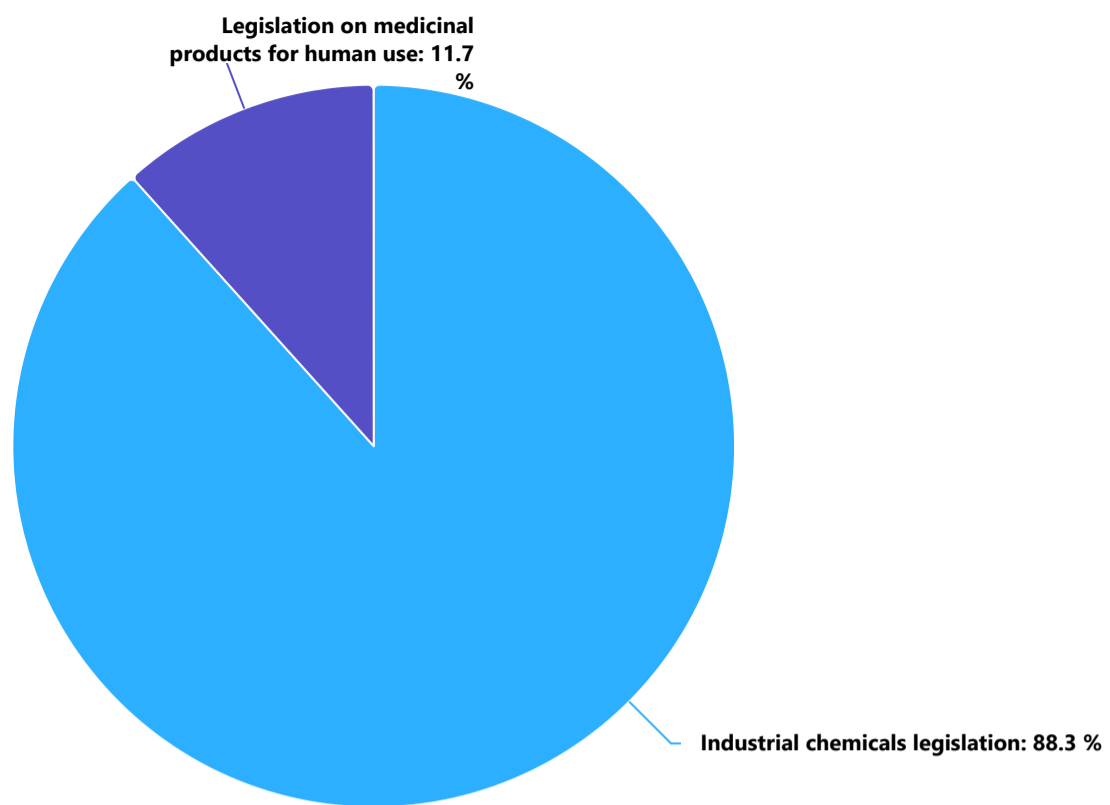
Regulatory uses: Toxicity: Ecotoxicity



Regulatory uses: Toxicity: Ecotoxicity by severity



Regulatory uses: Toxicity: Ecotoxicity by type of legislation



Regulatory uses: Toxicity: Ecotoxicity by regulatory requirement

