

Includes only the uses of animals for the creation and maintenance of genetically altered animals.

## Reporting year:All

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

Severity:All

Custom severity:All

Method of tissue sampling:All

Severity of genotyping: All

## Numbers of animals by species

| Species     | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 |
|-------------|------|------|------|------|------|------|------|------|------|------|
| Mice        | 1158 | 273  | 162  | 157  | 170  | 263  | 141  | 1791 | 582  | 1026 |
| Rats        | 60   | 124  | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| Guinea-Pigs | 0    | 47   | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| Rabbits     | 132  | 223  | 152  | 36   | 0    | 48   | 36   | 36   | 0    | 0    |
| Zebra fish  | 0    | 0    | 0    | 0    | 960  | 990  | 1124 | 282  | 0    | 8    |
| Total       | 1350 | 667  | 314  | 193  | 1130 | 1301 | 1301 | 2109 | 582  | 1034 |
| Excel       |      |      |      |      |      |      |      |      |      |      |

## USES OF ANIMALS FOR THE CREATION OF NEW GENETICALLY ALTERED ANIMAL LINES

## Uses of animals by species

[illegible]

## Uses of animals by severity

| Severity                   | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 |
|----------------------------|------|------|------|------|------|------|------|------|------|------|
| Non-recovery               | 1259 | 592  | 96   | 54   | 960  | 1085 | 1124 | 318  | 0    | 0    |
| Mild [up to and including] | 133  | 544  | 591  | 692  | 49   | 715  | 76   | 475  | 597  | 708  |
| Moderate                   | 91   | 75   | 194  | 782  | 121  | 841  | 101  | 1791 | 266  | 526  |
| Total                      | 1483 | 1211 | 881  | 1528 | 1130 | 2641 | 1301 | 2584 | 863  | 1234 |

Excel

Proportions of uses of animals by severity

| Severity                   | 2015  | 2016   | 2017   | 2018   | 2019   | 2020   | 2021  | 2022   | 2023   | 2024   |
|----------------------------|-------|--------|--------|--------|--------|--------|-------|--------|--------|--------|
| Non-recovery               | 84.9% | 48.89% | 10.9%  | 3.53%  | 84.96% | 41.08% | 86.4% | 12.31% | 0%     | 0%     |
| Mild [up to and including] | 8.97% | 44.92% | 67.08% | 45.29% | 4.34%  | 27.07% | 5.84% | 18.38% | 69.18% | 57.37% |
| Moderate                   | 6.14% | 6.19%  | 22.02% | 51.18% | 10.71% | 31.84% | 7.76% | 69.31% | 30.82% | 42.63% |
| Total                      | 100%  | 100%   | 100%   | 100%   | 100%   | 100%   | 100%  | 100%   | 100%   | 100%   |

Excel

## Uses of animals by genetic status

| Genetic status                                  | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 |
|-------------------------------------------------|------|------|------|------|------|------|------|------|------|------|
| Not genetically altered                         | 1350 | 667  | 339  | 154  | 91   | 265  | 61   | 1580 | 174  | 404  |
| Genetically altered without a harmful phenotype | 43   | 544  | 512  | 717  | 1019 | 1719 | 1240 | 823  | 634  | 579  |
| Genetically altered with a harmful phenotype    | 90   | 0    | 30   | 657  | 20   | 657  | 0    | 181  | 55   | 251  |
| Total                                           | 1483 | 1211 | 881  | 1528 | 1130 | 2641 | 1301 | 2584 | 863  | 1234 |

Excel

## Proportions of uses of animals by genetic status

[illegible]

Excel



## Reuse of animals

| Reuse | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 |
|-------|------|------|------|------|------|------|------|------|------|------|
| No    | 1350 | 667  | 314  | 193  | 1130 | 1301 | 1301 | 2109 | 582  | 1034 |
| Yes   | 133  | 544  | 567  | 1335 | 0    | 1340 | 0    | 475  | 281  | 200  |
| Total | 1483 | 1211 | 881  | 1528 | 1130 | 2641 | 1301 | 2584 | 863  | 1234 |

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## Proportions of reuse of animals

[illegible]

Excel



## BASIC RESEARCH USES OF ANIMALS FOR THE CREATION OF NEW GENETICALLY ALTERED ANIMAL LINES

## Basic research uses

| Purpose                                   | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 |
|-------------------------------------------|------|------|------|------|------|------|------|------|------|------|
| Oncology                                  | 0    | 0    | 0    | 0    | 0    | 0    | 26   | 0    | 0    | 68   |
| Cardiovascular Blood and Lymphatic System | 0    | 59   | 64   | 36   | 23   | 0    | 24   | 36   | 0    | 0    |
| Nervous System                            | 35   | 75   | 122  | 133  | 147  | 130  | 115  | 1791 | 266  | 526  |
| Gastrointestinal System including Liver   | 0    | 198  | 0    | 0    | 0    | 0    | 12   | 0    | 0    | 0    |
| Musculoskeletal System                    | 62   | 116  | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 82   |
| Immune System                             | 60   | 0    | 0    | 0    | 960  | 990  | 1124 | 282  | 316  | 337  |
| Urogenital/Reproductive System            | 70   | 71   | 0    | 24   | 0    | 34   | 0    | 0    | 0    | 50   |
| Endocrine System/Metabolism               | 1123 | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| Developmental Biology                     | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 475  | 267  | 0    |
| Multisystemic                             | 133  | 544  | 567  | 1335 | 0    | 1335 | 0    | 0    | 0    | 17   |
| Other basic research                      | 0    | 148  | 128  | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| Total                                     | 1483 | 1211 | 881  | 1528 | 1130 | 2489 | 1301 | 2584 | 849  | 1080 |

Excel

Basic research uses by severity

| Severity                   | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 |
|----------------------------|------|------|------|------|------|------|------|------|------|------|
| Non-recovery               | 1259 | 592  | 96   | 54   | 960  | 1005 | 1124 | 318  | 0    | 0    |
| Mild [up to and including] | 133  | 544  | 591  | 692  | 49   | 715  | 76   | 475  | 583  | 554  |
| Moderate                   | 91   | 75   | 194  | 782  | 121  | 769  | 101  | 1791 | 266  | 526  |
| Total                      | 1483 | 1211 | 881  | 1528 | 1130 | 2489 | 1301 | 2584 | 849  | 1080 |

Excel

[illegible]

TRANSLATIONAL AND APPLIED RESEARCH USES OF ANIMALS FOR THE CREATION OF NEW GENETICALLY ALTERED ANIMAL LINES

Translational and applied research uses

| Search:                            | <input type="text"/> |      |      |  |
|------------------------------------|----------------------|------|------|--|
| Purpose                            | 2020                 | 2023 | 2024 |  |
| Human Cardiovascular Disorders     | 0                    | 0    | 154  |  |
| Human Nervous and Mental Disorders | 0                    | 14   | 0    |  |
| Human Respiratory Disorders        | 152                  | 0    | 0    |  |
| Total                              | 152                  | 14   | 154  |  |
| Showing 1 to 3 of 3 entries        |                      |      |      |  |

Translational and applied research uses by severity

| Severity                   | 2020 | 2023 | 2024 |
|----------------------------|------|------|------|
| Non-recovery               | 80   | 0    | 0    |
| Mild [up to and including] | 0    | 14   | 154  |
| Moderate                   | 72   | 0    | 0    |
| Total                      | 152  | 14   | 154  |
| Excel                      |      |      |      |

Proportions of translational and applied research uses by severity

| Severity                   | 2020   | 2023 | 2024 |
|----------------------------|--------|------|------|
| Non-recovery               | 52.63% | 0%   | 0%   |
| Mild [up to and including] | 0%     | 100% | 100% |
| Moderate                   | 47.37% | 0%   | 0%   |
| Total                      | 100%   | 100% | 100% |
| Excel                      |        |      |      |



NUMBERS OF ANIMALS USED FOR THE MAINTENANCE OF GENETICALLY ALTERED ANIMAL LINES FOR THE FIRST TIME

Numbers of animals by species

| Species                    |  |
|----------------------------|--|
| No data available in table |  |
| Excel                      |  |

USES OF ANIMALS FOR THE MAINTENANCE OF GENETICALLY ALTERED ANIMAL LINES

Uses of animals by species

| Species                    |  |
|----------------------------|--|
| No data available in table |  |
| Excel                      |  |



Uses of animals by severity

| Severity                   |
|----------------------------|
| No data available in table |
| Excel                      |

Proportions of uses of animals by severity

| Severity                   |
|----------------------------|
| No data available in table |
| Excel                      |

Uses of animals by genetic status

| Genetic status             |  |
|----------------------------|--|
| No data available in table |  |
| Excel                      |  |

Proportions of uses of animals by genetic status

| Genetic status             |  |
|----------------------------|--|
| No data available in table |  |
| Excel                      |  |

Reuse of animals

Genetic status



No data available in table

Excel

Proportions of reuse of animals

| Reuse                      |  |
|----------------------------|--|
| No data available in table |  |
| Excel                      |  |