

Conversion table: Dutch animal procedures registration to ALURES

EU Submission	Dutch registration (2015-2020)	ALURES registration (from 2021 onwards)
EU Submission	1	[Y] Yes
No EU Submission	2	[N] No
EU Submission	3	[Y] Yes

Animal Species	Dutch registration (2015-2020)	ALURES registration (from 2021 onwards)
Mice	1	[A1]
Rats	2	[A2]
Guinea-Pigs	4	[A3]
Mongolian gerbils	5	[A6]
Hamsters (Syrian)	6	[A4]
Hamsters (Chinese)	7	[A5]
Other rodents	9	[A7]
Rabbits	11	[A8]
Dogs	21	[A10]
Cats	22	[A9]
Ferrets	23	[A11]
Other carnivores	29	[A12]
Prosimians	31	[A18]
Marmosets and tamarins	32	[A19]
Rhesus monkeys	33	[A21]
Cynomolgus monkeys	34	[A20]
Vervets	35	[A22]
Baboons	36	[A23]
Squirrel monkeys	37	[A24]
Apes	38	[A26]
Other species of Old World Monkeys	39	[A25-1]
Other species of New World Monkeys	39	[A25-2]
Horses, donkeys and cross-breeds	41	[A13]
Pigs	42	[A14]
Goats	43	[A15]
Sheep	44	[A16]
Cattle	45	[A17]
Other mammals	49	[A27]
Domestic fowl	51	[A28]
Turkeys*	n.a.	[A37]
Other birds	59	[A29]
Reptiles	69	[A30]
Rana	71	[A31]
Xenopus	72	[A32]
Other amphibians	79	[A33]
Zebra fish	81	[A34]
Other fish	89	[A35]
Cephalopods	91	[A36]
Sea bass*	n.a.	[A38]
Salmon, trout, charrs and graylings*	n.a.	[A39]
Guppy, swordtail, molly, platy*	n.a.	[A40]

* Prior to 2021: These animal species were not registered as a separate category in the Dutch registry of animal procedures.

Re-use	Dutch registration (2015-2020)	ALURES registration (from 2021 onwards)
Yes	1	[Y] Yes
No	n.a.	[N] No

Place of birth (non-NHP species)	Dutch registration (2015-2020)	ALURES registration (from 2021 onwards)
Animals born at an authorised breeder in the Union	2	[O1]
Animals born in the Union but not at an authorised breeder	3	[O2]
Animals born in the rest of Europe	4	[O3]
Animals born elsewhere	5	[O4]

Place of birth NHP	Dutch registration (2015-2020)	ALURES registration (from 2021 onwards)
NHP born at an authorised breeder in the Union	6	[NHP01]
NHP born in the Union but not at an authorised breeder and NHP born in rest of Europe	7	[NHP02]
NHP born in Asia	8	[NHP03]
NHP born in America	9	[NHP04]
NHP born in Africa	10	[NHP05]
NHP born elsewhere	11	[NHP06]

NHP colony type: Self-sustaining colony	Dutch registration (2015-2020)	ALURES registration (from 2021 onwards)
Yes	9	[Y] Yes
No	n.a.	[N] No

NHP generation	Dutch registration (2015-2020)	ALURES registration (from 2021 onwards)
F0	6	[NHPG1]
F1	7	[NHPG2]
F2 or greater	8	[NHPG3]

Genetic Status	Dutch registration (2015-2020)	ALURES registration (from 2021 onwards)
Not genetically altered	1	[GS1]
Genetically altered without a harmful phenotype	2	[GS2]
Genetically altered with a harmful phenotype	3	[GS3]
Wild animals (except NHP)	4	[GS1]
Animals in their own biotope (except NHP)	5	[GS1]

Creation of a new genetically altered line	Dutch registration (2015-2020)	ALURES registration (from 2021 onwards)
Animals used for the creation of a new genetically altered line / strain	n.a.	[Y] Yes
No	n.a.	[N] No

Purpose of the research	Dutch registration (2015-2020)	ALURES registration (from 2021 onwards)
Oncology	1	[PB1]
Cardiovascular, blood and lymphatic system	2	[PB2]
Nervous system	3	[PB3]
Respiratory system	4	[PB4]
Gastrointestinal system including liver	5	[PB5]
Musculoskeletal system	6	[PB6]
Immune system	7	[PB7]
Urogenital / reproductive system	8	[PB8]
Sensory organs (skin, eyes and ears)	9	[PB9]
Endocrine system / metabolism	10	[PB10]
Multisystemic	11	[PB11]
Ethology / animal behaviour / animal biology	12	[PB12]
Other fundamental research	13	[PB13]
Developmental biology*	n.a.	[PB14]
Human cancer	20	[PT21]
Human infectious disorders	21	[PT22]
Human cardiovascular disorders	22	[PT23]
Human nervous and mental disorders	23	[PT24]
Human respiratory disorders	24	[PT25]
Human gastrointestinal disorders including liver	25	[PT26]
Human musculoskeletal disorders	26	[PT27]
Human immune disorders	27	[PT28]
Human urogenital / reproductive disorders	28	[PT29]
Human sensory organ disorders (skin, eyes and ears)	29	[PT30]
Human endocrine / metabolism disorders	30	[PT31]
Other human disorders	31	[PT32]
Animal diseases and disorders	32	[PT33]
Animal nutrition*	n.a.	[PT38]
Animal welfare	33	[PT34]
Diagnosis of diseases	34	[PT35]
Plant diseases	35	[PT36]
Non-regulatory toxicology and ecotoxicology	36	[PT37]
Protection of the natural environment in the interest of the health or welfare of human	40	[PE40]
Preservation of species	41	[PS41]
Higher Education**	42	[PE42-1]
Training for the acquisition, maintenance or improvement of vocational skills**	42	[PE42-2]
Forensic enquiries	43	[PF43]
Breeding of genetically altered animals with a harmful phenotype, not used in other	44	[PG43]
Blood based products	50	[PR51]
Monoclonal and polyclonal antibodies by ascites method	51	[PR52]
Other products	59	[PR53]
Monoclonal and polyclonal antibodies (excluding ascites method)***	50	[PR54]
Batch safety testing	60	[PR61]
Pyrogenicity testing	61	[PR62]
Batch potency testing	62	[PR63]
Other quality controls	69	[PR64]
LD50, LC50	70	[PR81]
Other lethal methods	71	[PR82]
Non-lethal methods	72	[PR83]
Skin irritation / corrosion	73	[PR84]
Skin sensitisation	74	[PR85]
Eye irritation / corrosion	75	[PR86]
Repeated dose toxicity up to 28 days	76	[PR87]
Repeated dose toxicity 29 - 90 days	77	[PR88]
Repeated dose toxicity >90 days	78	[PR89]
Carcinogenicity	79	[PR90]
Genotoxicity	80	[PR91]
Reproductive toxicity	81	[PR92]
Developmental toxicity	82	[PR93]
Neurotoxicity	83	[PR94]
Kinetics (pharmacokinetics, toxicokinetics, residue depletion)	84	[PR95]
Pharmacodynamics (including safety pharmacology)	85	[PR96]
Phototoxicity	86	[PR97]
Acute and subacute toxicity	87	[PR98]
Chronic toxicity	88	[PR99]
Reproductive toxicity	89	[PR100]
Endocrine activity	90	[PR101]
Bioaccumulation	91	[PR102]
Other (ecotoxicity)	92	[PR103]
Safety testing in food and feed area	93	[PR104]
Target animal safety	94	[PR105]
Other toxicity or safety testing	95	[PR106]
Other efficacy and tolerance testing	99	[PR71]
Combined end-points	n.a.	[PR107]
Non-EU purpose*	n.a.	[PN107]

* : Prior to 2021, these purposes / domains were not registered separately in the Dutch registry of animal procedures.

** : Prior to 2021, animal procedures for higher education and training in professional skills were recorded under a single, combined research category (42) in the Dutch registry of animal procedures.

***: Prior to 2021, only monoclonal antibody production (via the ascites method) was separately registered in the Dutch registry of animal procedures. The production of polyclonal antisera was categorized under the combined category 'blood-derived products' (50).

Type of Legislation	Dutch registration (2015-2020)	ALURES registration (from 2021 onwards)
No legislation	1	n.a.
Legislation on medicinal products for human use	2	[LT1]
Legislation on medicinal products for veterinary use and their residues	3	[LT2]
Legislation on medical devices	4	[LT3]
Legislation on industrial chemicals	5	[LT4]
Legislation on plant protection products	6	[LT5]
Legislation on biocides	7	[LT6]
Legislation on food including food contact materials	8	[LT7]
Legislation on animal feed including legislation for the safety of target animals, workers	9	[LT8]
Legislation on cosmetics	10	[LT9]
Other legislation	11	[LT10]

Origin regulatory requirement	Dutch registration (2015-2020)	ALURES registration (from 2021 onwards)
No Legislation	1	n.a.
Legislation satisfying EU requirements	2	[LO1]
Legislation satisfying national requirements only (within the EU)	3	[LO2]
Legislation satisfying non-EU requirements only	4	[LO3]

Severity	Dutch registration (2015-2020)	ALURES registration (from 2021 onwards)
Non-recovery under general anaesthesia	1	[SV1]
Mild	2	[SV2]
Moderate	3	[SV3]
Severe	4	[SV4]

Method of tissue sampling	Dutch registration (2015-2020)	ALURES registration (from 2021 onwards)
Blood sampling	n.a.	[IG1]
Ear biopsy	n.a.	[IG2]
Tail biopsy	n.a.	[IG3]
Toe clipping	n.a.	[IG4]
Other method of invasive genotyping	n.a.	[IG5]
Fin biopsy	n.a.	[IG6]
Surplus tissue from the marking of an animal via ear punch	n.a.	[ST1]
Surplus tissue from the marking of an animal via toe clipping	n.a.	[ST2]
Hair sampling	n.a.	[NG1]
Observation under special lighting	n.a.	[NG2]
Post mortem	n.a.	[NG3]
Other method of non-invasive genotyping	n.a.	[NG4]

Severity of genotyping	Dutch registration (2015-2020)	ALURES registration (from 2021 onwards)
Non-recovery	n.a.	[SV1]
Mild	n.a.	[SV2]
Moderate	n.a.	[SV3]
Severe	n.a.	[SV4]

Field 1 - Anesthesia (Dutch legislation)*	Dutch registration (2015-2020)	ALURES registration (from 2021 onwards)
Anesthesia was not applied (no cause)	1	1
Anesthesia was not applied (incompatible with experiment)	2	2
Anesthesia was applied (no euthanasia)	3	3

*: Field 1 for supplementary national legislation in the ALURES registration.

Field 2 - Analgesia (Dutch legislation)*	Dutch registration (2015-2020)	ALURES registration (from 2021 onwards)
Analgesia was not applied (no cause)	1	1
Analgesia was not applied (incompatible with experiment)	2	2
Analgesia was applied	3	3

*: Field 2 for supplementary national legislation in the ALURES registration.

Field 3 - Special techniques (Dutch legislation)*	Dutch registration (2015-2020)	ALURES registration (from 2021 onwards)
None	1	1
Killing the animal without prior procedures	2	2
Used in production of a new genetically modified line	3	3

*: Field 3 for supplementary national legislation in the ALURES registration.