

DP.E.1. Purposes and severity

Data inclusion criteria

Report year: 2016

Country: Denmark

EU Submission: ALL

Re-use: ALL

Genetic status: ALL

Animal Species: ALL

Species grouping Level 1: ALL

Species grouping Level 2: ALL

Mammals: ALL

Testing by Legislation: ALL

Legislative Requirement: ALL

Non-human primates: ALL

Submission Id: ALL

Id 1: ALL

Id 2: ALL

Id 3: ALL

Narrative

This report shows the number of uses of animals with the actual severity experienced by animals broken down by high-level purposes.

It also provides details of the actual severity for all sub-categories of purposes. Please see a listing and details of all categories of purposes in the Commission Implementing Decision 2012/707/EU

<http://eur-lex.europa.eu/legal-content/EN/TXT/?uri=CELEX:02012D0707-20140115>

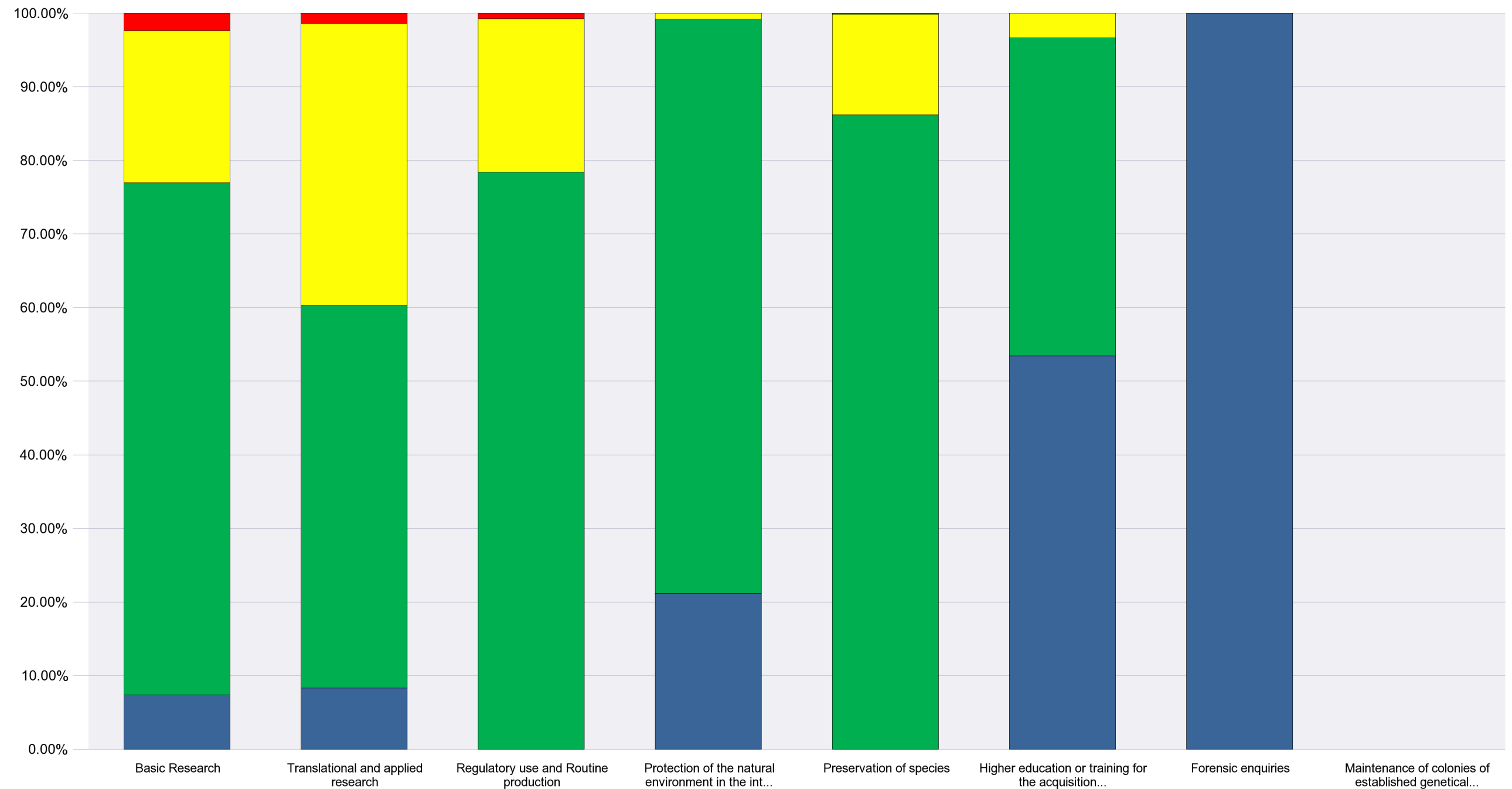
It shows both the first and all the subsequent uses of the animals completed in the reporting period (unless either option is specifically excluded in the data filtering criteria when selecting the report).

Created on: 20/03/2018 13:17:03 GMT+01:00

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Primary purposes

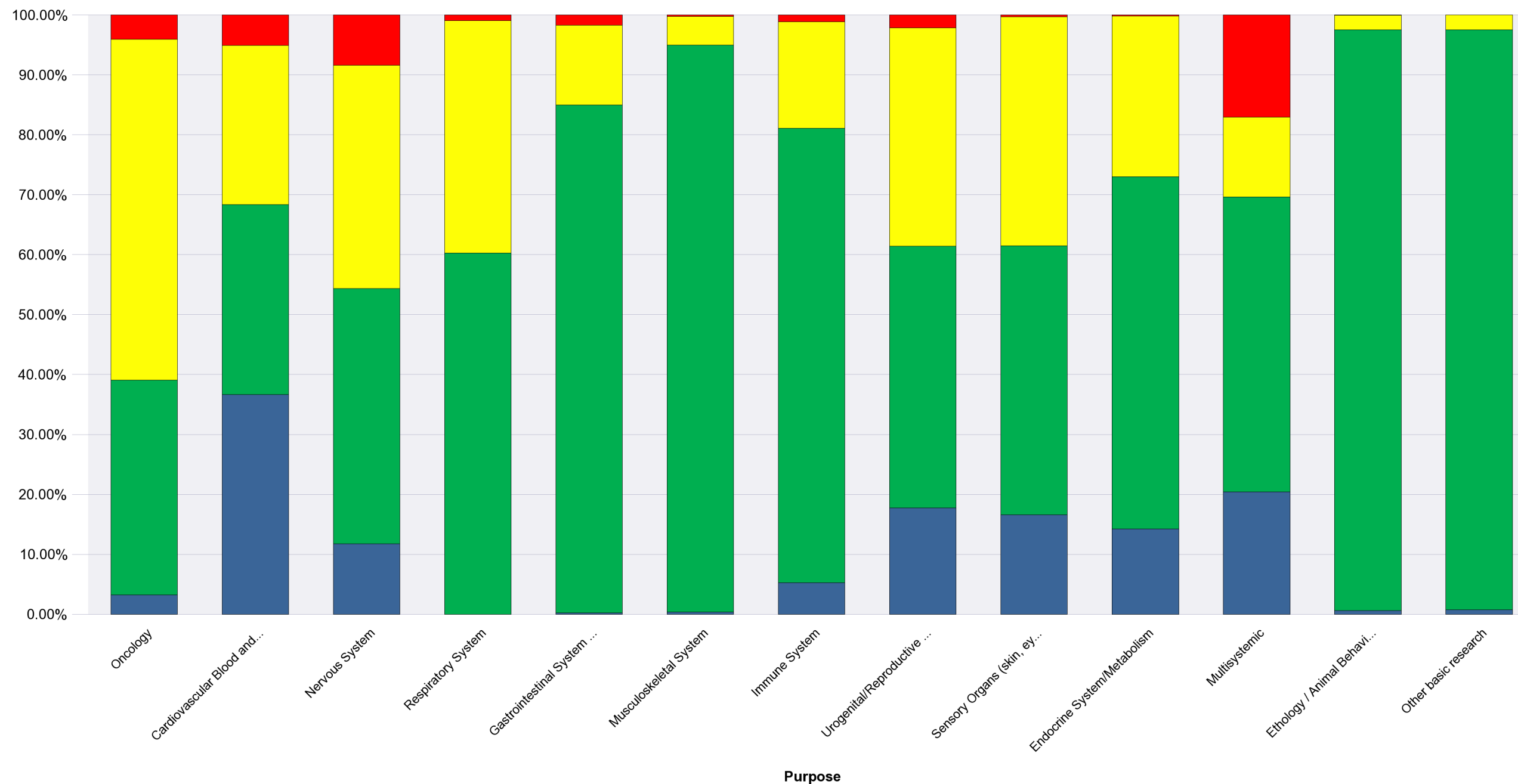
	Non-recovery	Mild [up to and including]	Moderate	Severe	Total uses
Basic Research	7,659	72,212	21,456	2,485	103,812
Translational and applied research	11,493	71,867	52,867	1,943	138,170
Regulatory use and Routine production		16,876	4,489	167	21,532
Protection of the natural environment in the interests of the health or welfare of human beings or animals	591	2,179	22		2,792
Preservation of species		1,285	204	2	1,491
Higher education or training for the acquisition, maintenance or improvement of vocational skills	2,879	2,327	181		5,387
Forensic enquiries	40				40
Maintenance of colonies of established genetically altered animals, not used in other procedures					
Total uses	22,662	166,746	79,219	4,597	273,224
%	8.29%	61.03%	28.99%	1.68%	



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Basic research purposes

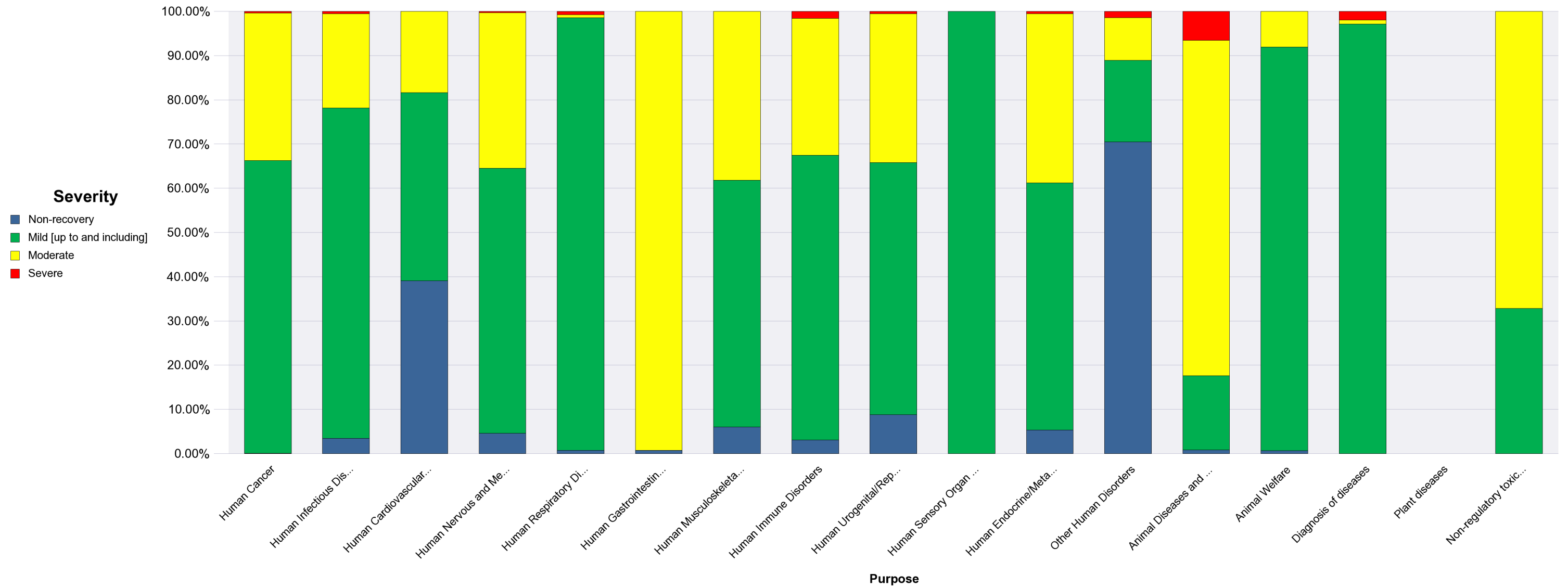
	Non-recovery	Mild [up to and including]	Moderate	Severe	Total uses
Oncology	196	2,195	3,483	247	6,121
Cardiovascular Blood and Lymphatic System	1,572	1,359	1,140	217	4,288
Nervous System	2,088	7,562	6,613	1,484	17,747
Respiratory System		965	621	15	1,601
Gastrointestinal System including Liver	12	3,913	614	79	4,618
Musculoskeletal System	9	2,577	131	6	2,723
Immune System	997	14,292	3,353	210	18,852
Urogenital/Reproductive System	291	715	597	35	1,638
Sensory Organs (skin, eyes and ears)	156	422	359	3	940
Endocrine System/Metabolism	1,955	8,050	3,675	23	13,703
Multisystemic	194	467	126	162	949
Ethology / Animal Behaviour /Animal Biology	154	24,967	623	4	25,748
Other basic research	35	4,728	121		4,884
Total uses	7,659	72,212	21,456	2,485	103,812
%	7.38%	69.56%	20.67%	2.39%	



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Translational and applied research purposes

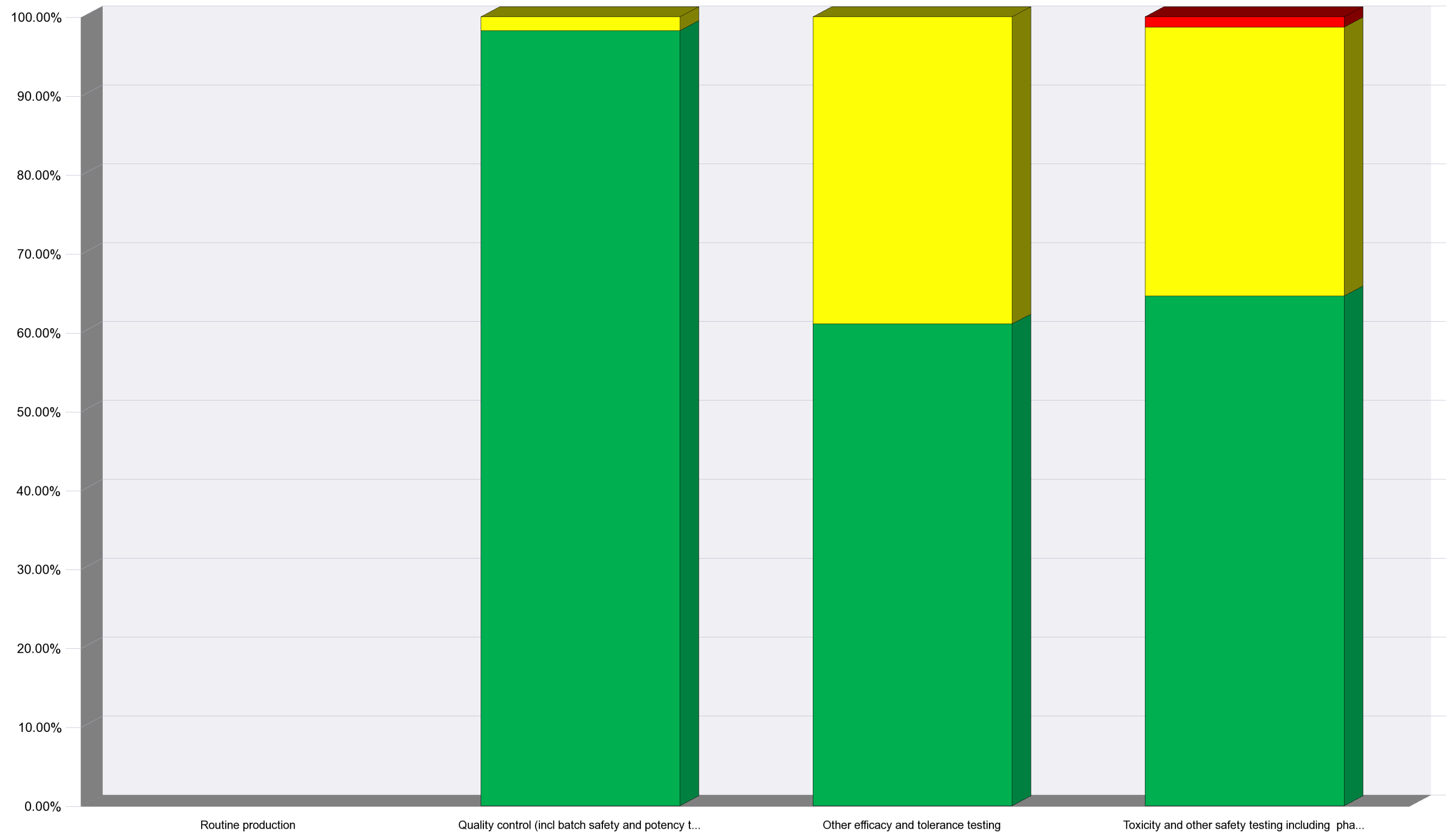
	Non-recovery	Mild [up to and including]	Moderate	Severe	Total uses
Human Cancer	3	7,902	3,991	40	11,936
Human Infectious Disorders	259	5,542	1,586	37	7,424
Human Cardiovascular Disorders	547	595	257		1,399
Human Nervous and Mental Disorders	1,592	20,879	12,249	106	34,826
Human Respiratory Disorders	1	134	1	1	137
Human Gastrointestinal Disorders including Liver	1		138		139
Human Musculoskeletal Disorders	24	224	153		401
Human Immune Disorders	216	4,518	2,172	109	7,015
Human Urogenital/Reproductive Disorders	55	355	210	3	623
Human Sensory Organ Disorders (skin, eyes and ears)		455			455
Human Endocrine/Metabolism Disorders	2,186	22,882	15,647	215	40,930
Other Human Disorders	6,438	1,689	880	128	9,135
Animal Diseases and Disorders	155	3,313	14,929	1,287	19,684
Animal Welfare	16	2,304	204		2,524
Diagnosis of diseases		859	8	17	884
Plant diseases					
Non-regulatory toxicology and ecotoxicology		216	442		658
Total uses	11,493	71,867	52,867	1,943	138,170
%	8.32%	52.01%	38.26%	1.41%	



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Regulatory use and routine production purposes

	Non-recovery	Mild [up to and including]	Moderate	Severe	Total uses
Routine production					
Quality control (incl batch safety and potency testing)		8,677	156		8,833
Other efficacy and tolerance testing		69	44		113
Toxicity and other safety testing including pharmacology		8,130	4,289	167	12,586
Total uses		16,876	4,489	167	21,532
%		78.38%	20.85%	0.78%	



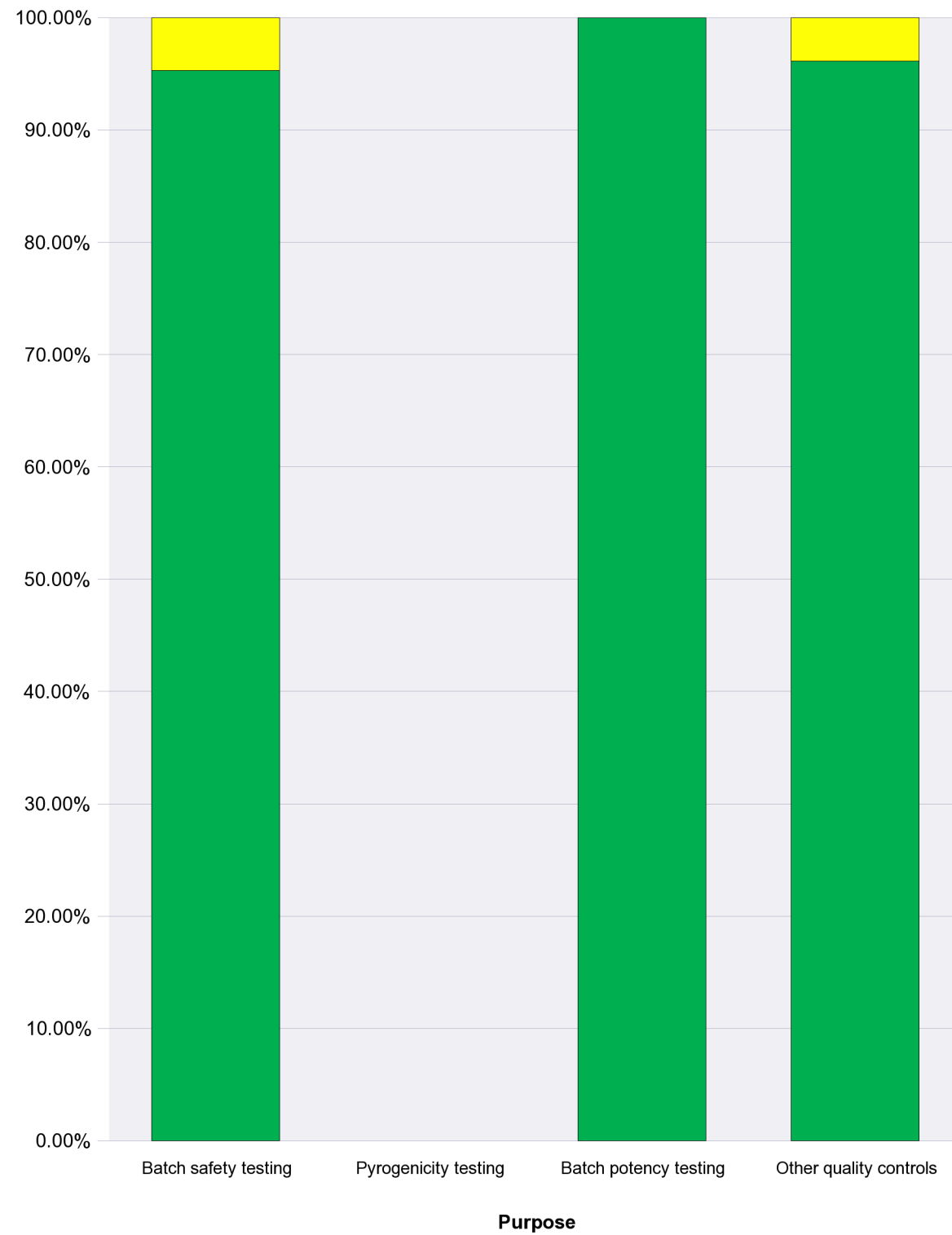
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Quality control purposes

	Non-recovery	Mild [up to and including]	Moderate	Severe	Total uses
Batch safety testing		3,141		154	3,295
Pyrogenicity testing					
Batch potency testing		5,486			5,486
Other quality controls		50		2	52
Total uses		8,677		156	8,833
%		98.23%		1.77%	

Routine production purposes

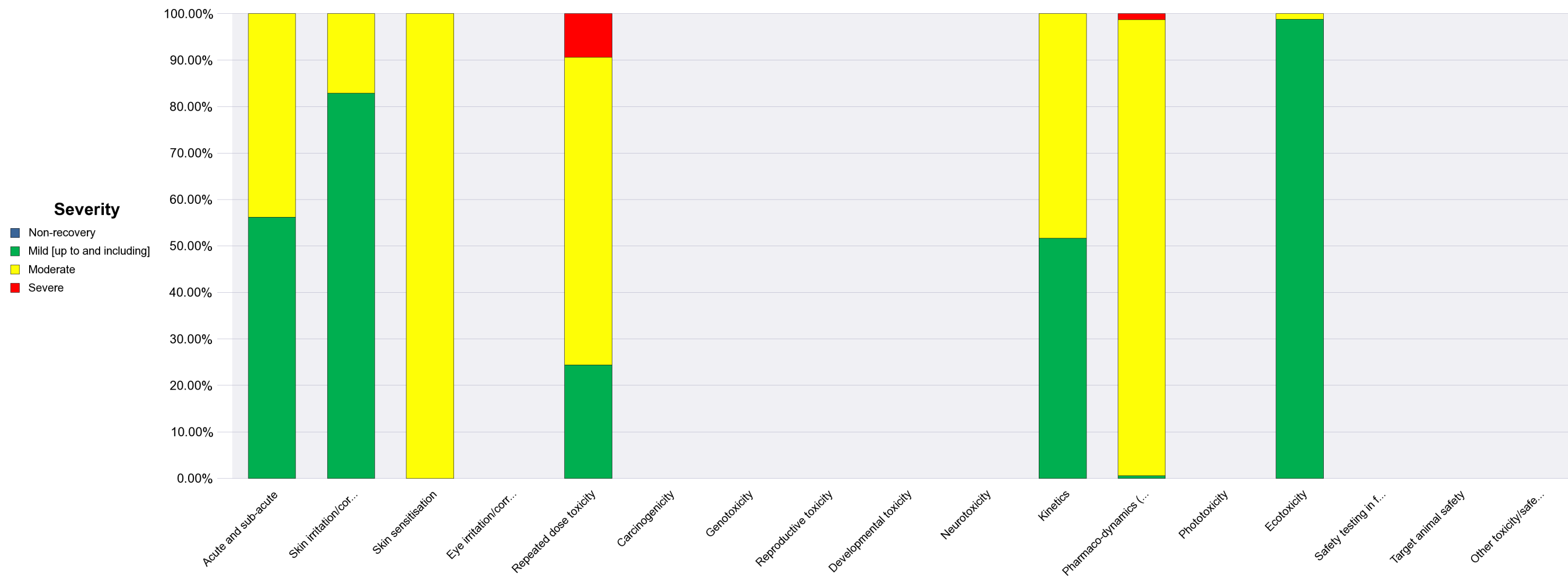
	Non-recovery	Mild [up to and including]	Moderate	Severe	Total uses
Blood based products					
Monoclonal antibodies					
Other product types					
Total uses					
%					



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Toxicity and other safety testing by test type purposes

	Non-recovery	Mild [up to and including]	Moderate	Severe	Total uses
Acute and sub-acute		3,017		2,349	5,366
Skin irritation/corrosion		29		6	35
Skin sensitisation				80	80
Eye irritation/corrosion					
Repeated dose toxicity		415		1,126	1,701
Carcinogenicity					
Genotoxicity					
Reproductive toxicity					
Developmental toxicity					
Neurotoxicity					
Kinetics		138		129	267
Pharmaco-dynamics (incl safety pharmacology)		3		542	552
Phototoxicity					
Ecotoxicity		4,528		57	4,585
Safety testing in food and feed area					
Target animal safety					
Other toxicity/safety testing					
Total uses		8,130		4,289	167
%		64.60%		34.08%	1.33%



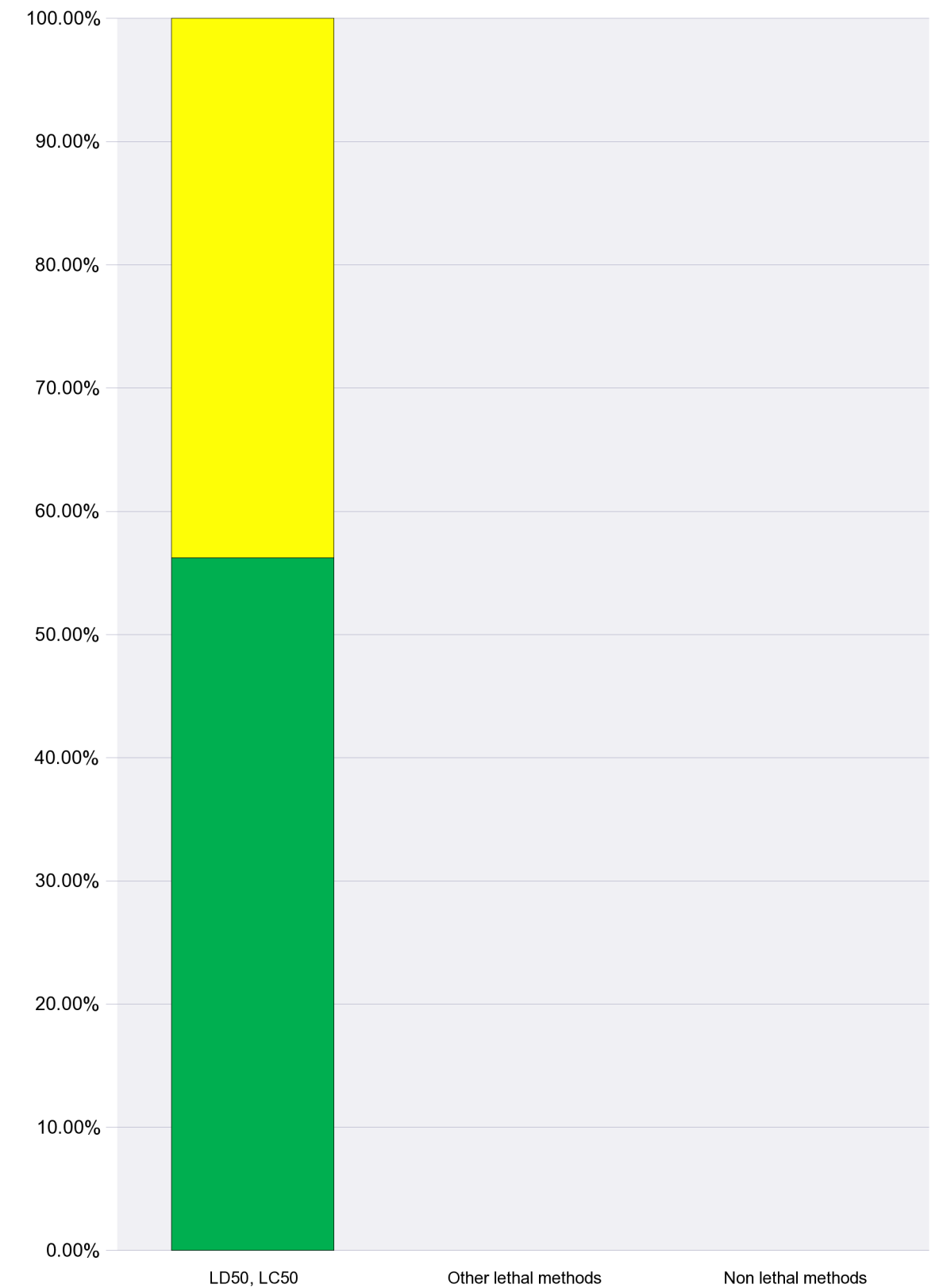
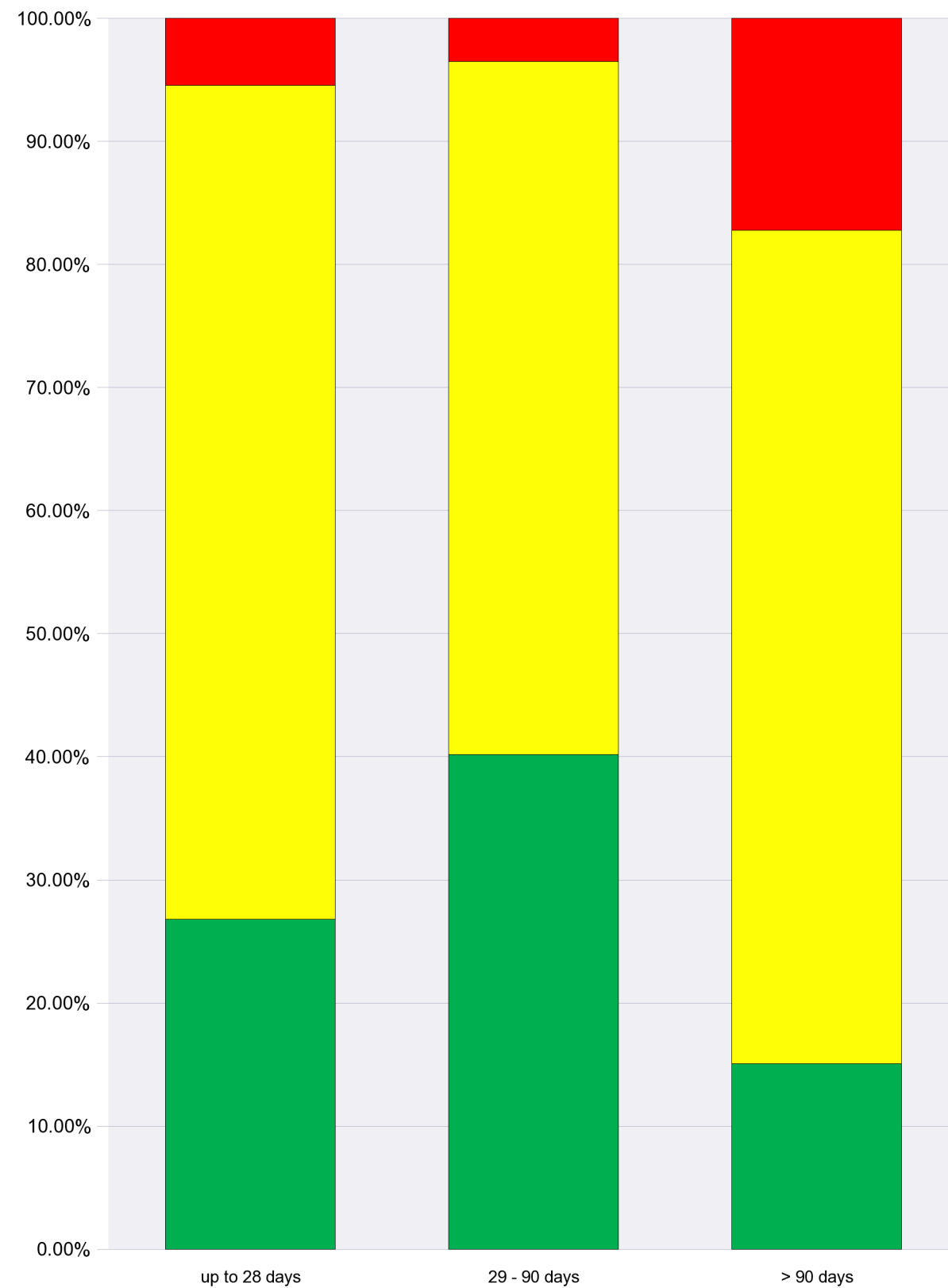
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Repeated dose toxicity purposes

	Non-recovery	Mild [up to and including]	Moderate	Severe	Total uses
up to 28 days		231	584	47	862
29 - 90 days		92	129	8	229
> 90 days		92	413	105	610
Total uses		415	1,126	160	1,701
%		24.40%	66.20%	9.41%	

Acute and sub-acute toxicity testing methods

	Non-recovery	Mild [up to and including]	Moderate	Severe	Total uses
LD50, LC50		3,017	2,349		5,366
Other lethal methods					
Non lethal methods					
Total uses		3,017	2,349		5,366
%		56.22%	43.78%		



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Ecotoxicity purposes

	Non-recovery	Mild [up to and including]	Moderate	Severe	Total uses
Acute toxicity				57	57
Chronic toxicity		3,030			3,030
Reproductive ecotoxicity					
Endocrine activity		1,440			1,440
Bioaccumulation		58			58
Other ecotoxicity					
Total uses		4,528		57	4,585
%		98.76%		1.24%	

