

Permits issued by MPI to allow the import of Living Modified Organisms (LMOs) micro-organisms into New Zealand from 1 January 2018 to 19 June 2023

Calendar Year	Number of micro-organism permits	Details
2018	16	2 <i>Agrobacterium tumefaciens</i> , 3 <i>Escherichia coli</i> , 2 Bacteriophage lambda, 2 order <i>Saccharomycetales</i> spp., 1 <i>Neurospora crassa</i> , 1 <i>Trichoderma atroviride</i> , 1 <i>Trichoderma reesei</i> , 1 <i>Trichoderma virens</i> , 1 <i>Vibrio harveyi</i> , 1 various GM risk group 1 microorganisms, 1 various GM risk group 2 microorganisms.
2019	18	3 <i>Escherichia coli</i> , 2 Bacteriophage lambda, 2 <i>Agrobacterium tumefaciens</i> , 2 order <i>Saccharomycetales</i> spp., 1 <i>Agrobacterium rhizogenes</i> , 1 <i>Neurospora crassa</i> , 1 <i>Pseudomonas syringae</i> pv. <i>actinidae</i> , 1 <i>Trichoderma atroviride</i> , 1 <i>Trichoderma reesei</i> , 1 <i>Trichoderma virens</i> , 1 <i>Vibrio harveyi</i> , 1 various GM risk group 1 microorganisms, 1 various GM risk group 2 microorganisms.
2020	2	1 various GM risk group 1 microorganisms, 1 various GM risk group 2 microorganisms.
2021	8	2 order <i>Saccharomycetales</i> spp., 1 <i>Agrobacterium tumefaciens</i> , 1 Bacteriophage lambda, 1 <i>Escherichia coli</i> , 1 <i>Neurospora crassa</i> , 1 <i>Vibrio harveyi</i> , 1 various GM risk group 1 microorganisms.
2022	20	5 various GM risk group 1 microorganisms, 4 various GM risk group 2 microorganisms, 3 <i>Pseudomonas syringae</i> pv. <i>actinidae</i> , 2 order <i>Saccharomycetales</i> spp., 1 <i>Agrobacterium tumefaciens</i> , 1 Bacteriophage lambda, 1 <i>Escherichia coli</i> , 1 <i>Neurospora crassa</i> , 1 <i>Pseudomonas syringae</i> pv. <i>phaseolicola</i> , 1 <i>Pseudomonas syringae</i> pv. <i>tomato</i> ,
2023	9	2 <i>Escherichia coli</i> , 2 <i>Saccharomyces cerevisiae</i> , 1 <i>Agrobacterium rhizogenes</i> , 1 <i>Agrobacterium tumefaciens</i> , 1 <i>Trichoderma atroviride</i> , 1 <i>Trichoderma reesei</i> , 1 <i>Trichoderma virens</i>

NOTES

1. Please note, Biosafety Clearing House (BCH) numbers have not been issued for several years, MPI uses the HSNO approval codes instead.
2. The calendar years listed incorporate the actual import events.

Permits issued by MPI to allow the import of LMO seeds into New Zealand from 1 January 2018 to 19 June 2023

Calendar Year	Number of Seed Permits	Details
2018	0	-
2019	11	4 <i>Arabidopsis thaliana</i> , 2 <i>Medicago truncatula</i> , 2 <i>Nicotiana benthamiana</i> , 2 <i>Nicotiana tabacum</i> , 1 <i>Lycopersicon esculentum</i>
2020	10	3 <i>Arabidopsis thaliana</i> , 2 <i>Nicotiana tabacum</i> , 1 <i>Glycine max</i> , 1 <i>Lolium perenne</i> , 1 <i>Lycopersicon esculentum</i> , 1 <i>Medicago truncatula</i> , 1 <i>Nicotiana benthamiana</i>
2021	14	5 <i>Arabidopsis thaliana</i> , 3 <i>Nicotiana tabacum</i> , 2 <i>Nicotiana benthamiana</i> , 1 <i>Lycopersicon esculentum</i> , 1 <i>Medicago truncatula</i> , 1 <i>Solanum lycopersicum</i> , 1 <i>Solanum pimpinellifolium</i>
2022	12	3 <i>Arabidopsis thaliana</i> , 2 <i>Medicago truncatula</i> , 2 <i>Nicotiana benthamiana</i> , 2 <i>Nicotiana tabacum</i> , 1 <i>Lycopersicon esculentum</i> , 1 <i>Solanum lycopersicum</i> , 1 <i>Solanum pimpinifolium</i>
2023	1	1 <i>Arabidopsis thaliana</i>

NOTES

1. Please note, Biosafety Clearing House (BCH) numbers have not been issued for several years, MPI uses the HSNO approval codes instead.
2. The calendar years listed incorporate the actual import events.
3. All consignments are for seeds. There have been no plant consignments within the timeframe.

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The accompanying tables list the permits issued by MPI for the importation of animal LMO's into New Zealand from 1 January 2017 to 19 June 2023. The data is be summarised as follows:

Year Permit Issued	# Animals / # consignments	LMO Animals/Germplasm Imported
2017	318 / 16	Live mice
2017	4 / 1	Mice germplasm straws
2017	802 / 2	Danio rerio (mix of live and embryo)
2018	787 / 28	Live mice
2018	1002 / 2	Danio rerio (mix of live and embryo)
2019	340 / 20	Live mice
2019	8 / 1	Mice germplasm straws
2019	6 / 1	Live rats
2020	513 / 19	Live mice
2020	38 / 2	Live rats
2020	40 / 3	Mice germplasm straws
2021	468 / 17	Live mice
2021	980 / 3	Danio rerio (mix of live and embryo)
2021	5 / 1	Mice germplasm straws
2022	106 / 9	Live mice
2022	419 / 3	Danio rerio (mix of live and embryo)
Total	2532 live mice 57 mice germplasm straws 44 live rats 3203 Danio rerio (mix live and embryos)	

NOTES

1. 'Animals' also includes whole animals and cell lines, the latter still being defined as 'organisms'; However the data presented does not include animal cell lines imported under the import health standard for cell cultures due to due to the substantial effort required to collate this information.
2. The import permits reported here had HSNO approval codes for the LMO commodity indicated.

Consignments of LMOs of Micro-organisms exported from New Zealand from 1 January 2018 to 19 June 2023

Date	Destination Country	HSNO Approval #	Micro-organism	Type
08/01/18	Singapore	APP202581	<i>Escherichia coli</i>	Bacteria
11/01/18			<i>Escherichia coli</i>	Bacteria
12/01/18	Denmark	NOC002513	Bacterial samples	Bacteria
31/01/18	Overseas	NOC99023	Bacteria/Fungi	Bacteria/Fungi
01/02/18	Netherlands	GMD102182	<i>Mycobacterium smegmatis</i>	Bacteria
07/02/18	Australia	GMO06/MU007	<i>Escherichia coli</i>	Bacteria
12/02/18	Germany	GMD004787-89	<i>Escherichia coli</i>	Bacteria
19/02/18	Netherlands	NOC0709	Fungal culture	Fungi
26/02/18	Australia	APP201858	<i>Saccharomyces cerevisiae</i>	Fungi
20/03/18	USA	NOC002513	Microorganisms	Microorganisms
20/03/18	France	NOC002513	Microorganisms	Microorganisms
20/03/18	Korea	NOC002513	Microorganisms	Microorganisms
20/03/18	France	NOC002513	Microorganisms	Microorganisms
13/04/18	United Kingdom	GMC100216	<i>Mycobacterium smegmatis</i> ; <i>Escherichia coli</i>	Bacteria
19/04/18	United Kingdom	GMO04/MU016	<i>Escherichia coli</i>	Bacteria
23/04/18	Australia	GMD101717	<i>Pseudomonas aeruginosa</i>	Bacteria
24/04/18	Spain	GMC100216; GMD101715	<i>Escherichia coli</i>	Bacteria
30/05/18	Singapore	GMC100216	<i>Escherichia coli</i>	Bacteria
05/06/18	USA	GMD100040	<i>Escherichia coli</i>	Bacteria
13/06/18	Australia	GMD101715; GMD101717	<i>Mycobacterium smegmatis</i> ; <i>Escherichia coli</i>	Bacteria
20/06/18	USA	APP202581	<i>Escherichia coli</i>	Bacteria
04/07/18	USA	NOC100151	<i>Faecalicatena contorta</i>	Bacteria
04/07/18	USA	APP202581	<i>Escherichia coli</i>	Bacteria
06/07/18	Switzerland	APP202581	<i>Escherichia coli</i>	Bacteria
13/07/18	Argentina	GMD101715	<i>Saccharomyces cerevisiae</i>	Fungi
13/07/18	China	GMD101715	<i>Saccharomyces cerevisiae</i>	Fungi
17/07/18	Canada	GMD101717	Orf Virus	Virus
18/07/18	United Kingdom	APP202581	<i>Escherichia coli</i>	Bacteria
06/08/18	Singapore	NOC100169	<i>Plasmodium cynomolgi</i>	Protozoa
15/08/18	Sweden	GMD101715	<i>Mesorhizobium loti</i>	Bacteria
22/08/18	USA	APP202581	<i>Escherichia coli</i>	Bacteria
12/09/18	Japan	GMD102182	<i>Mycobacterium smegmatis</i>	Bacteria
19/09/18	China	NOC99023	<i>Xanthomonas</i> ; <i>Erwinia</i> ; <i>Xylophilus</i>	Bacteria
03/12/18	USA	GMD101715	<i>Escherichia coli</i>	Bacteria
25/01/19	Australia	GMD101715	<i>Escherichia coli</i> ; <i>Mesorhizobium</i>	Bacteria
29/01/19	Germany	GMO07/MU001 0	<i>Pseudomonas fluorescens</i>	Bacteria
01/02/19	Singapore	GMD101717	<i>Mycobacterium smegmatis</i>	Bacteria
04/02/19	Australia	NOC100168	<i>Mesorhizobium jarvisii</i>	Bacteria
04/02/19	Australia	GMD101715	<i>Escherichia coli</i> ; <i>Mesorhizobium loti</i>	Bacteria

Date	Destination Country	HSNO Approval #	Micro-organism	Type
04/02/19	United Kingdom	GMD101717	<i>Listeria monocytogenes</i>	Bacteria
08/02/19	Thailand	GMD101715	<i>Saccharomyces cerevisiae</i>	Fungi
20/02/19	United Kingdom	GMC100219; GMD101717	<i>Enterococcus faecalis</i>	Bacteria
20/02/19	USA	APP201675; APP01730	<i>Pseudomonas syringae</i> pv. <i>actinidiae</i>	Bacteria
21/02/19	Australia	GMD101715	<i>Escherichia coli</i>	Bacteria
26/02/19	Australia	NOC100169	<i>Plasmodium cynomolgi</i>	Parasite
06/03/19	Australia	GMD101715	<i>Escherichia coli</i>	Bacteria
07/03/19	Australia	GMC04015	<i>Escherichia coli</i>	Bacteria
26/03/19	Sweden	GMD07070	<i>Pseudomonas fluorescens</i>	Bacteria
01/04/19	Denmark	GMD101715	<i>Mesorhizobium loti</i>	Bacteria
03/04/19	Netherlands	APP202581	<i>Escherichia coli</i>	Bacteria
03/04/19	Canada	APP202581	<i>Escherichia coli</i>	Bacteria
03/04/19	Canada	APP202581	<i>Escherichia coli</i>	Bacteria
05/04/19	Canada	GMD02064	Penicillium paxilli	Fungi
16/04/19	USA	GMD101717	Mycobacterium Smegmatis	Bacteria
13/05/19	Germany	GMD02064 (GMD002297; GMD102003)	<i>Epichloë typhina</i> ; <i>Epichloë elymi</i>	Fungi
01/06/19	Germany	APP 201678; APP201730	<i>Pseudomonas syringae</i> pv. <i>actinidiae</i>	Bacteria
04/06/19	Philippines	GMD101715; GMC100216	<i>Escherichia coli</i>	Bacteria
06/06/19	Germany	GMD101059	<i>Trichoderma virens</i> ; <i>Trichoderma atroviride</i>	Fungi
07/06/19	Austria	GMD101715	<i>Saccharomyces cerevisiae</i>	Fungi
07/06/19	South Korea	NOC100169	<i>Plasmodium cynomolgi</i>	Protozoa
20/06/19	Sweden	APP202581	<i>Escherichia coli</i>	Bacteria
21/06/19	Malaysia	GMD101715	<i>Saccharomyces cerevisiae</i>	Fungi
28/06/19	Germany	GMD101715; GMC100216	<i>Serratia</i> sp.	Bacteria
01/07/19	Austria	GMD101059	<i>Trichoderma virens</i> ; <i>Trichoderma atroviride</i>	Fungi
10/07/19	Sweden	GMD07070	<i>Pseudomonas fluorescens</i>	Bacteria
11/07/19	Japan	GMD101715	<i>Saccharomyces cerevisiae</i>	Fungi
25/07/19	USA	GMD101715	<i>Synechocystis</i> sp.	Bacteria
19/08/19	Australia	GMC04015	<i>Escherichia coli</i>	Bacteria
26/08/19	Korea	GMD05067 (GMD03857)	<i>Saccharomyces cerevisiae</i>	Fungi
30/08/19	Japan	APP203272	<i>Escherichia coli</i>	Bacteria
05/09/19	USA	GMO15- UOA008	<i>Escherichia coli</i>	Bacteria
05/09/19	China	GMD02064	<i>Epichloë festucae</i>	Fungi
11/09/19	Hungary	GMD101715	<i>Synechocystis</i> sp.	Bacteria
09/10/19	USA	GMD101887	<i>Escherichia coli</i>	Bacteria
14/10/19	Australia	GMC100216; GMD101715	<i>Escherichia coli</i>	Bacteria
15/10/19	Germany	GMO07/MU001 0	<i>Pseudomonas fluorescens</i>	Bacteria

Date	Destination Country	HSNO Approval #	Micro-organism	Type
17/10/19	Australia	GMO15-UA008	<i>Streptococcus pyogenes</i> ; <i>Lactococcus. lactis</i> ; <i>Escherichia coli</i>	Bacteria
21/10/19	Australia	GMD101715; GMC100219; GMD101717	<i>Escherichia coli</i> ; <i>Mycobacterium smegmatis</i>	Bacteria
22/10/19	India	GMD102182	<i>Mycobacterium smegmatis</i>	Bacteria
31/10/19	USA	GMD101887 (APP202581)	<i>Escherichia coli</i>	Bacteria
08/11/19	United Kingdom	GMO15-UA008	<i>Citrobacter rodentium</i>	Bacteria
13/11/19	Netherlands	GMD101715	<i>Serratia sp.</i>	Bacteria
13/11/19	USA	GMD102278; GMD102337	<i>Escherichia coli</i>	Bacteria
18/11/19	Canada	NOC100169	Seneca Valley Virus (SVV-1)	Virus
20/11/19	Australia	GMD101715	<i>Escherichia coli</i>	Bacteria
27/11/19	Germany	GMD02064 (GMD002304)	<i>Penicillium paxilli</i>	Fungi
28/11/19	China	GMD101715	<i>Saccharomyces cerevisiae</i>	Fungi
03/12/19	Malaysia	GMD101887 (APP202581)	<i>Escherichia coli</i>	Bacteria
04/12/19	Germany	GMD004033; GMD004878; GMD101339; GMC100190; GMD101437; GMC1001193; GMD101438	<i>Escherichia coli</i> ; <i>Acinetobacter baumannii</i> ; <i>Mycobacterium smegmatis</i> ; <i>Mycobacterium marinum</i> ; <i>Mycobacterium abscessus</i>	Bacteria
10/12/19	Switzerland	GMD005466 (GMD08071)	<i>Yersinia entomophaga</i>	Bacteria
11/12/19	Australia	GMD101715	<i>Escherichia coli</i>	Bacteria
17/12/19	United Kingdom	GMD101717	<i>Pseudomonas aeruginosa</i>	Bacteria
20/12/19	Hungary	GMD101715	<i>Synechocystis sp.</i>	Bacteria
14/01/20	Australia	GMC100219; GMD101717	<i>Mycobacterium tuberculosis</i> ; <i>Mycobacterium smegmatis</i>	Bacteria
15/01/20	Canada	GMD101717	<i>Listeria monocytogenes</i>	Bacteria
05/02/20	Hungary	GMD101715	<i>Synechocystis sp.</i>	Bacteria
02/03/20	India	GMD101715	<i>Saccharomyces cerevisiae</i>	Fungi
17/03/20	Australia	GMD101715	<i>Escherichia coli</i> ; <i>Mesorhizobium loti</i>	Bacteria
04/05/20	Germany	GMD03096	Adeno-Associated Virus (AAV)	Virus
04/05/20	Canada	GMD03096	Adeno-Associated Virus (AAV)	Virus
12/05/20	Austria	GMD101715	<i>Saccharomyces cerevisiae</i>	Fungi
13/05/20	Australia	GMD101715	<i>Mesorhizobium loti</i>	Bacteria
25/05/20	Switzerland	GMD005466 (GMD08071)	<i>Yersinia entomophaga</i>	Bacteria
03/06/20	Australia	GMD101715	<i>Escherichia coli</i>	Bacteria
03/06/20	Germany	NOC100152; GMD101395-98	<i>Pseudomonas syringae</i> pv. <i>actinidiae</i> ; <i>Escherichia coli</i>	Bacteria
15/06/20	Australia	GMC100216	<i>Escherichia coli</i>	Bacteria

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22/06/20	Australia	GMD102296	<i>Escherichia coli</i>	Bacteria
06/07/20	Austria	GMD101715	<i>Saccharomyces cerevisiae</i>	Fungi
08/07/20	Australia	GMC100216	<i>Escherichia coli</i>	Bacteria
10/07/20	Australia	GMD102296	<i>Escherichia coli</i>	Bacteria
13/07/20	Australia	GMD101715	<i>Mesorhizobium loti</i> ; <i>Escherichia coli</i>	Bacteria
03/08/20	Denmark	GMD101715	<i>Escherichia coli</i>	Bacteria
05/08/20	Australia	GMD101715	<i>Escherichia coli</i>	Bacteria
21/08/20	USA	GMD101221	<i>Mycobacterium tuberculosis</i>	Bacteria
18/09/20	Germany	GMD004162	<i>Escherichia coli</i>	Bacteria
18/09/20	Japan	GMD002078	<i>Epichloë bromicola</i>	Fungi
21/10/20	Austria	GMD101715	<i>Saccharomyces cerevisiae</i>	Fungi
05/11/20	Argentina	GMD101715	<i>Saccharomyces cerevisiae</i>	Fungi
06/11/20	Netherlands	GMD101715	<i>Synechocystis</i> sp; <i>Escherichia coli</i>	Bacteria
10/11/20	Denmark	GMD101715	<i>Mesorhizobium loti</i>	Bacteria
10/11/20	Germany	GMD102243; GMD102247; GMD102235; GM102242	<i>Methylobacterium</i> sp.; <i>Sphingomonas melonis</i> ; <i>Pseudomonas citronellolis</i> ; <i>Bradyrhizobium</i> sp.	Bacteria
9/12/20	United Kingdom	GMD101715; GMD101717	<i>Escherichia coli</i> ; <i>Mycobacterium smegmatis</i>	Bacteria
11/12/20	Portugal	GMD101717	<i>Pseudomonas aeruginosa</i>	Bacteria
17/12/20	USA	GMD101717	<i>Mycobacterium smegmatis</i>	Bacteria
13/01/21	Spain	GMD101715	<i>Saccharomyces cerevisiae</i>	Fungi
15/02/21	Australia	GMD101715	<i>Mesorhizobium loti</i> ; <i>Escherichia coli</i>	Bacteria
22/02/21	Germany	APP201737	<i>Arthrobacter</i>	Bacteria
25/02/21	Australia	GMD101715	<i>Escherichia coli</i>	Bacteria
01/03/21	Australia	GMD101715	<i>Mycobacterium tuberculosis</i>	Bacteria
03/03/21	Singapore	GMD102201	Lentivirus vector	Virus
23/03/21	USA	GMD101887	<i>Escherichia coli</i>	Bacteria
13/04/21	Australia	GMD101715	<i>Escherichia coli</i>	Bacteria
05/05/21	China	GMC100219; GMD101717	<i>Mycobacterium tuberculosis</i>	Bacteria
06/05/21	Netherlands	GMD101715; GMC100216	<i>Serratia</i> sp; <i>Escherichia coli</i>	Bacteria
11/05/21	USA	GMD004162	<i>Escherichia coli</i>	Bacteria
11/06/21	United Kingdom	MC100216	<i>Escherichia coli</i>	Bacteria
21/06/21	Japan	GMD101717	<i>Mycobacterium smegmatis</i>	Bacteria
25/06/21	Austria	GMD101715	<i>Saccharomyces cerevisiae</i>	Fungi
12/07/21	Belgium	GMD101717	<i>Pseudomonas aeruginosa</i>	Bacteria
16/07/21	Sweden	GMD102541	<i>Pseudomonas fluorescens</i>	Bacteria
02/08/21	Netherlands	GMD101715; GMD101717	<i>Mycobacterium smegmatis</i> ; <i>Escherichia coli</i>	Bacteria
09/08/21	Norway	GMD004911	<i>Lactobacillus plantarum</i>	Bacteria
21/09/21	Netherlands	GMD101715	<i>Serratia</i> sp.; <i>Escherichia coli</i>	Bacteria
21/09/21	USA	GMD101715	<i>Serratia</i>	Bacteria
21/09/21	Netherlands	GMD101715	<i>Serratia</i> sp.; <i>Escherichia coli</i>	Bacteria

Date	Destination Country	HSNO Approval #	Micro-organism	Type
21/09/21	USA	GMD101715	<i>Escherichia coli</i> ; <i>Mesorhizobium japonicum</i>	Bacteria
26/10/21	USA	GMD101715	<i>Saccharomyces cerevisiae</i>	Fungi
02/11/21	Canada	GMD101715	<i>Escherichia coli</i>	Bacteria
05/11/21	Denmark	GMD101715	<i>Mesorhizobium</i> ; <i>Sinorhizobium meliloti</i> ; <i>Escherichia coli</i>	Bacteria
05/11/21	USA	GMD101717	<i>Mycobacterium tuberculosis</i>	Bacteria
05/11/21	USA	GMD101715	<i>Saccharomyces cerevisiae</i>	Fungi
16/11/21	Netherlands	GMD102541	<i>Agrobacterium tumefaciens</i>	Bacteria
17/11/21	China	GMC100219; GMD101717	<i>Mycobacterium tuberculosis</i>	Bacteria
23/11/21	Australia	GMD101715	<i>Escherichia coli</i>	Bacteria
01/12/21	Canada	GMC100219	<i>Pseudomonas aeruginosa</i>	Bacteria
13/12/21	Australia	GMD101715	<i>Mesorhizobium japonicum</i>	Bacteria
17/01/22	United Kingdom	GMC100219; GMD101717	<i>Mycobacterium smegmatis</i>	Bacteria
24/01/22	Germany	GMD101715	<i>Saccharomyces cerevisiae</i>	Fungi
24/01/21	Indonesia	GMD101715	<i>Saccharomyces cerevisiae</i>	Fungi
27/01/22	Germany	GMD101715	<i>Escherichia coli</i>	Bacteria
18/02/22	Taiwan	GMD102182	<i>Mycobacterium smegmatis</i>	Bacteria
01/03/22	USA	GMC100216	<i>Escherichia coli</i>	Bacteria
11/03/22	Germany	GMD004787; GMD101397	<i>Pseudomonas syringae</i> pv. <i>actinidiae</i> ; <i>Escherichia coli</i>	Bacteria
10/03/22	USA	GMD101717	<i>Mycobacterium tuberculosis</i>	Bacteria
22/03/22	China	GMD101715	<i>Saccharomyces cerevisiae</i>	Fungi
22/03/22	Austria	GMD101715	<i>Saccharomyces cerevisiae</i>	Fungi
28/03/22	Australia	GMD102442	<i>Escherichia coli</i>	Bacteria
01/04/22	Australia	GMD101715	<i>Mesorhizobium loti</i>	Bacteria
02/06/22	Canada	GMC100290	<i>Escherichia coli</i>	Bacteria
10/06/22	Netherlands	GMD101717	<i>Mycobacterium smegmatis</i>	Bacteria
10/06/22	United Kingdom	GMD101717	<i>Mycobacterium smegmatis</i>	Bacteria
14/06/22	USA	GMD101717	<i>Pseudomonas aeruginosa</i>	Bacteria
29/06/22	Australia	GMD102182	<i>Mycobacterium smegmatis</i>	Bacteria
29/06/22	South Africa	GMD102182	<i>Mycobacterium smegmatis</i>	Bacteria
29/06/22	China	GMD101715	<i>Saccharomyces cerevisiae</i>	Fungi
29/06/22	Indonesia	GMD101715	<i>Saccharomyces cerevisiae</i>	Fungi
21/07/22	France	GMD101715	<i>Mesorhizobium loti</i>	Bacteria
05/08/22	Denmark	GMD101717; NOC100168	<i>Pectobacterium atrosepticum</i>	Bacteria
24/08/22	USA	GMC100290	<i>Escherichia coli</i>	Bacteria
05/09/22	Denmark	GMC100216; GMD101715	<i>Escherichia coli</i> ; <i>Mesorhizobium loti</i>	Bacteria
06/09/22	Japan	GMO15-UA008; APP202708	<i>Lactococcus lactis</i>	Bacteria
28/11/22	France	GMD102442	<i>Agrobacterium rhizogenes</i>	Bacteria
20/10/22	USA	GMD101715	<i>Serratia</i> sp.	Bacteria
20/10/22	Philippines	GMD101715; GMC100216	<i>Escherichia coli</i>	Bacteria
25/10/22	China	GMD101715	<i>Saccharomyces cerevisiae</i>	Fungi

Date	Destination Country	HSNO Approval #	Micro-organism	Type
10/11/22	United Kingdom	GMD101717	<i>Mycobacterium smegmatis</i>	Bacteria
17/11/22	USA	GMD101221	<i>Mycobacterium tuberculosis</i>	Bacteria
19/12/22	Japan	GMC04015	<i>Saccharomyces cerevisiae</i>	Fungi
10/02/23	China	GMD101715	<i>Saccharomyces cerevisiae</i>	Fungi
22/02/23	Japan	GMC04015	<i>Saccharomyces cerevisiae</i>	Fungi
27/02/23	Exported to various South Pacific Island nations including Papua New Guinea	NOC07004 includes: NOC100014; NOC100013; NOC100012; NOC100011; NOC100008; NOC100007; NOC100006; NOC002492; NOC002491; NOC002490; NOC002489	Re-export of vaccines	Bacteria/Virus
10/03/23	USA	GMD101715	<i>Escherichia coli</i>	Bacteria
13/03/23	Austria	GMD101715	<i>Saccharomyces cerevisiae</i>	Fungi
15/03/23	USA	GMD101717	<i>Pseudomonas aeruginosa</i>	Bacteria
29/03/23	Denmark	GMD101717	<i>Pectobacterium atrosepticum</i>	Bacteria
12/04/23	Australia	GMD102442	Bacteriophage	Virus
06/04/23	Australia	NOC102442	<i>Escherichia coli</i>	Bacteria
03/05/23	Australia	NOC100168	<i>Pyrenomonas methylaliphatogenes</i>	Bacteria
05/05/23	United Kingdom	GMD101717; GMC100219	<i>Mycobacterium tuberculosis</i>	Bacteria
07/03/23	USA	GMD101715	<i>Serratia sp.</i>	Bacteria
08/06/23	USA	GMD06004	<i>Escherichia coli</i>	Bacteria

Consignments of LMOs of Seeds and Plants exported from New Zealand from 1 January 2018 to 19 June 2023

Date	Destination Country	HSNO approval #	Plant sp.	Type
10/01/18	Overseas herbaria	NOC04018	Dried herbarium specimens	Herbarium
24/01/18	Malaysia	NOC01005	Frozen algal sample	Plant
13/02/18	United Kingdom		<i>Marchantia polymorpha</i>	Plant
12/04/18	Overseas	NOC002466	Dried herbarium specimen	Herbarium
22/08/18	France	GMD01167	<i>Arabidopsis thaliana</i>	Seed
12/09/18	USA		<i>Medicago truncatula</i>	Seed
11/02/19	Japan	APP201459	Kiwifruit (<i>Actinidia chinensis</i>)	Seed
12/02/19	USA	GMD09017	Perennial Ryegrass (<i>Lolium perenne</i>)	Seed
05/03/19	USA	GMD09017	Perennial Ryegrass (<i>Lolium perenne</i>)	Seed

Date	Destination Country	HSNO approval #	Plant sp.	Type
25/03/19	United Kingdom	GMD101732	<i>Arabidopsis thaliana</i>	Seed
04/12/19	France	GMD101732	<i>Medicago</i>	Seed
11/02/20	USA	GMD09017	Perennial Ryegrass (<i>Lolium perenne</i>)	Seed
23/10/20	USA	GMD001923 (GMD01240)	Douglas fir (<i>Pseudotsuga menziesii</i>)	Plantlets/Shoots
11/12/20	USA	GMD09017	Perennial Ryegrass (<i>Lolium perenne</i>)	Seed
17/12/20	Australia	GMD101496	Opium poppy (<i>Papaver somniferum</i>)	Seed
22/02/21	USA	GMD001923 (GMD01240)	Douglas fir (<i>Pseudotsuga menziesii</i>)	Plantlets/Shoots
30/07/21	Switzerland	GMD101236	<i>Petunia</i> spp.	Seed
10/08/21	USA	GMD001923 (GMD01240)	Douglas fir (<i>Pseudotsuga menziesii</i>)	Plantlets/Shoots
29/10/21	Australia	NOC100182	Wheat (<i>Triticum aestivum</i>)	Grain
17/11/21	Australia	GMD09017	White clover (<i>Trifolium repens</i>)	Seed
10/12/21	Japan	GMD101213	<i>Arabidopsis thaliana</i>	Seed
14/12/21	Australia	GMD102664	Perennial Ryegrass (<i>Lolium perenne</i>)	Seed
26/01/22	United Kingdom	GMD101732	<i>Arabidopsis thaliana</i>	Seed
26/01/22	France	GMD101732	<i>Arabidopsis thaliana</i>	Seed
03/03/22	Australia	GMD102664	Perennial Ryegrass (<i>Lolium perenne</i>)	Seed
28/06/22	Germany	GMD102465	<i>Arabidopsis thaliana</i>	Seed
15/07/22	Australia	NOC100168	<i>Coprinopsis</i> spp; <i>Leratiomyces</i> spp	Plant
14/12/22	Australia	GMD09017	White clover (<i>Trifolium repens</i>)	Seed
16/12/22	Italy	GMD101243; GMD101246	Apple callus; Pear callus	Seed
21/02/23	Germany	GMC001385	Various seeds	Seed
08/03/23	Japan	GMD101248	Kiwifruit (<i>Actinidia chinensis</i>)	Tissue Culture
31/05/23	USA	GMD101213	<i>Arabidopsis thaliana</i>	Seed

Consignments of LMOs of Animals exported from New Zealand from 1 January 2018 to 19 June 2023

Date	Destination Country	HSNO approval #	Animal ssp.	Type
12/01/18	Denmark		Foramnifera and nematode	Whole animal
26/01/18	Australia	GMC001343	Mouse (<i>Mus musculus</i>)	Cell line
06/04/18	Australia	GMC001343	Mouse (<i>Mus musculus</i>)	Cell line
02/05/18	USA	GMC100220	Mouse (<i>Mus musculus</i>)	Sperm
07/05/18	France	NOC100168	Phytoplankton (<i>Emiliania huxleyi</i>)	Whole animal
09/05/18	Australia	GMC001343	Mouse (<i>Mus musculus</i>)	Cell line

10/05/18	United Kingdom	GMC001341	Human (<i>Homo sapiens</i>)	Cell line
11/05/18	Netherlands	GMC100164	GM cell lines	Cell line
05/06/18	USA	GMD100040	Human (<i>Homo sapiens</i>)	Cell line
18/06/18	Australia	GMC03001	Mouse (<i>Mus musculus</i>)	Whole animal
27/06/18	Singapore	GMC001341	Human (<i>Homo sapiens</i>)	Cell line
19/07/18	USA	NOC000707; GMC100246	Mouse (<i>Mus musculus</i>)	Cell line
23/07/18	USA	2010040181; 2015056063	<i>Heligmosomoides</i> ; <i>Nippostrongylus</i>	Larvae
07/08/18	Australia	GMC03001	Mouse (<i>Mus musculus</i>)	Whole animal
08/08/18	Australia	GMC2673; GMO4026	Human (<i>Homo sapiens</i>)	Cell line
13/08/18	Australia	GMO09-MU003	Mammalian cell line	Cell line
01/02/19	Taiwan	GMD03-091; GMO05-UA022	Human (<i>Homo sapiens</i>)	Cell line
03/04/19	Netherlands	GMC001197	Mouse (<i>Mus musculus</i>)	Cell line
03/05/19	USA	GMC100246	Mouse (<i>Mus musculus</i>)	Cell line
29/05/19	France	GMO14/UA007	Human (<i>Homo sapiens</i>) Breast Cancer	Cell line
15/08/19	USA	GMD101727	Zebra fish (<i>Danio rerio</i>)	
16/08/19	Samoa	GMO006- UA008 / GMD004407	Human (<i>Homo sapiens</i>) Breast Cancer	Cell line
14/10/19	USA	GMO17/UA002; GMD100225	Zebra fish (<i>Danio rerio</i>)	Embryo
11/11/19	USA	GMC100220	Mouse (<i>Mus musculus</i>)	Sperm
15/11/19	Germany	GMC001343	Mouse (<i>Mus musculus</i>)	Cell line
29/11/19	United Kingdom	GMC001197; GMC100220	Mouse (<i>Mus musculus</i>)	Whole animal
05/12/19	Australia	APP201858	Mouse (<i>Mus musculus</i>)	Cell line
12/02/20	South Korea	GMD005623	Human (<i>Homo sapiens</i>)	Cell line
13/02/20	South Korea	GMD005623	Human (<i>Homo sapiens</i>)	Cell line
21/02/19	Greece	GMD100040	Human (<i>Homo sapiens</i>)	Cell line
16/03/19	USA	GM008 - UA01 1	Human (<i>Homo sapiens</i>)	Cell line
03/06/20	USA	GMD100901	Sheep (<i>Ovis aries</i>)	Cell line
19/06/20	Australia	APP201858; GMC100228	Human (<i>Homo sapiens</i>)	Cell line
20/07/20	France	GMC10016	Rat (<i>Rattus norvegicus</i>)	Whole animal
07/08/20	Australia	GMO08-UA011	Human (<i>Homo sapiens</i>)	Tissue
28/08/20	United Kingdom	APP201858	Human (<i>Homo sapiens</i>)	Cell line
11/09/20	France	GMC03001	Mouse (<i>Mus musculus</i>)	Semen
17/09/20	Australia	GM008 - IJA011	Human (<i>Homo sapiens</i>)	Tissue
28/08/20	Singapore		Human (<i>Homo sapiens</i>)	Cell line
24/03/21	Australia	GMC03001	Mouse (<i>Mus musculus</i>)	Whole animal
09/04/21	France	GMC100228; GMD101730	Human (<i>Homo sapiens</i>)	Cell line
15/07/21	USA	GMC001197; GMC100221	Rat (<i>Rattus norvegicus</i>)	Whole animal
06/08/21	USA	GMD101727	Zebra fish (<i>Danio rerio</i>)	Embryo
06/08/21	USA	GMD101727	Zebra fish (<i>Danio rerio</i>)	Embryo

06/12/21	Australia	NOC100171; GMC100227	Murine (Murinae)	Cell line
26/01/22	USA	GMC100220	Mouse (<i>Mus musculus</i>)	Whole animal
24/03/22	USA	GMD101727	Zebra fish (<i>Danio rerio</i>)	Embryo
31/05/22	France	GMC100221	Rat (<i>Rattus norvegicus</i>)	Whole animal
08/06/22	Germany	GMC100228	Human (<i>Homo sapiens</i>)	Cell line
27/07/22	Germany	GMC03001	Mouse (<i>Mus musculus</i>)	Whole animal
22/08/22	Australia	GMC100246	Mouse (<i>Mus musculus</i>)	Cell line
28/09/22	Japan	NOC100168	<i>Ostreopsis; Prorocentrum</i>	Whole animal
06/10/22	China	GMD102458; GMD102459	Animal cell lines	Cell line
27/10/22	Australia	GMD101730	Human (<i>Homo sapiens</i>)	Cell line
24/01/23	Australia	GMD101730; GMD100228	Various cell lines	Cell line
17/02/23	United Kingdom	GMC100220	Mouse (<i>Mus musculus</i>)	Sperm
01/06/23	Australia	GMC001197	Mouse (<i>Mus musculus</i>)	Whole animal

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