



Australian Government

Department of Health and Aged Care
Office of the Gene Technology Regulator

Licence for dealings involving an intentional release of a GMO into the environment

Licence No.: DIR 193

Licence Holder: Bioproperties Pty Ltd.

Commercial supply of a genetically modified vaccine against infectious laryngotracheitis virus in chickens

Issued: 19 April 2023

Expiry: 19 April 2028

Office of the Gene Technology Regulator

Gene Technology Regulation in Australia

Australia's gene technology regulatory system operates as part of an integrated legislative framework. The *Gene Technology Act 2000* (Cth) and corresponding State and Territory legislation form a substantial part of a nationally consistent regulatory system controlling the development and use of genetically modified organisms.

This licence is issued by the Gene Technology Regulator (the Regulator) in accordance with the *Gene Technology Act 2000* and, as applicable, corresponding State law.

The Gene Technology Regulator is required to consult with, and take into account advice from, a range of key stakeholders, including other regulatory authorities, on risks to human health and safety and to the environment in assessing applications for dealings involving the intentional release of genetically modified organisms into the Australian environment.

Other agencies that also regulate genetically modified organisms or GM products include Food Standards Australia New Zealand, Australian Pesticides and Veterinary Medicines Authority, Therapeutic Goods Administration, Australian Industrial Chemicals Introduction Scheme and the Department of Agriculture, Water and the Environment. Dealings conducted under any licence issued by the Regulator may also be subject to regulation by one or more of these agencies. It is recommended that the licence holder consult the relevant agency (or agencies) about their regulatory requirements.

The licence authorises the licence holder and persons covered by the licence to conduct specified dealings with the genetically modified organism(s) listed in **Attachment A** of this licence.

Further information on licence DIR 193

More information about the decision to issue this licence is contained in the Risk Assessment and Risk Management Plan prepared in connection with the assessment of the application for the licence. This document can be obtained from the [Office of the Gene Technology Regulator \(OGTR\) website](#) or by telephoning the Office on 1800 181 030.

CONDITIONS OF THIS LICENCE

Section 1 Interpretations and Definitions

1. In this licence:
 - (a) unless defined otherwise, words and phrases used in this licence have the same meaning as they do in the Act and the Gene Technology Regulations 2001;
 - (b) words importing a gender include every other gender;
 - (c) words in the singular number include the plural and words in the plural number include the singular;
 - (d) expressions used to denote persons generally (such as “person”, “party”, “someone”, “anyone”, “no-one”, “one”, “another” and “whoever”), include a body politic or corporate as well as an individual;
 - (e) references to any statute or other legislation (whether primary or subordinate) are a reference to a statute or other legislation of the Commonwealth of Australia as amended or replaced from time to time and equivalent provisions, if any, in corresponding State law, unless the contrary intention appears;
 - (f) where a word or phrase is given a particular meaning, other grammatical forms of that word or phrase have corresponding meanings;
 - (g) specific conditions prevail over general conditions to the extent of any inconsistency.

2. In this licence:

‘Act’ means the *Gene Technology Act 2000* (Cth) or the corresponding State legislation under which this licence is issued.

‘Annual Report’ means a written report provided to the Regulator by the end of September each year containing all the information required by this licence to be provided in the Annual Report.

‘GM’ means genetically modified.

‘GMO’ means the genetically modified organism that is the subject of the dealings authorised by this licence.

‘NLRD’ is a Notifiable low risk dealing. Dealings conducted as an NLRD must be assessed by an institutional biosafety committee (IBC) before commencement and must comply with the requirements of the Gene Technology Regulations 2001.

‘OGTR’ means the Office of the Gene Technology Regulator.

‘Regulator’ means the Gene Technology Regulator.

Section 2 Licence conditions and obligations

3. This licence remains in force until it is suspended, cancelled or surrendered. No dealings with the GMO are authorised during any period of suspension.
4. This licence covers the period 19 April 2023 until 19 April 2028 unless cancelled or surrendered.
5. The licence holder is Bioproperties Pty Ltd.
6. Any person, including the licence holder, may conduct any authorised dealing(s) with the GMO.
7. The dealings authorised by this licence are:
 - (a) conduct experiments with the GMO;

- (b) transport of the GMOs;
- (c) disposal of the GMOs;

and the possession (including storage) and supply of the GMOs for the purposes of, or in the course, of any of these dealings.

Note: Use of the GMO for veterinary purposes is not covered by the Gene Technology Act 2000 and therefore this licence is not required to authorise such use. The GMOs are also subject to regulation by other federal and state departments and agencies, including the Australian Pesticides and Veterinary Medicines Authority and the Department of Agriculture, Fisheries and Forestry. These other departments and agencies may impose further requirements for, or limitations on, the use of the GMO or these dealings.

- 8. This licence does not apply to dealings involving the manufacturing of the GMOs conducted as a Notifiable Low Risk Dealing (NLRD) or pursuant to another authorisation under the Act.

Note: Dealings conducted as an NLRD must be assessed by an Institutional Biosafety Committee (IBC) before commencement and must comply with the requirements of the Regulations

- 9. Dealings with the GMO may be conducted in all areas of Australia.
- 10. Dealings described in Condition 7 must not occur unless authorised by a permit or registration by the APVMA.
- 11. The licence holder must ensure that end users of the GMO are informed that the GMO:
 - (a) is not to be given concurrently with any other live ILTV vaccines; and
 - (b) is to be given to healthy chickens only.
- 12. The licence authorises dealings with the GMO described in **Attachment A**.
- 13. To the extent that the conditions of any prior licence authorising dealings with the GMOs are inconsistent with the conditions of this licence, the conditions of this licence will prevail.

2.1 Obligations of the Licence Holder

- 14. The licence holder must immediately notify the Regulator if any of its contact details change.

Note: Please address correspondence to OGTR.M&C@health.gov.au

Prior to issuing a licence, the Regulator considers suitability of the applicant to hold a licence. The following conditions address ongoing suitability of the licence holder.

- 15. The licence holder must, at all times, remain an accredited organisation in accordance with the Act and must comply with its instrument of accreditation.
- 16. The licence holder must:
 - (a) inform the Regulator immediately in writing, of:
 - i) any relevant conviction of the licence holder; and
 - ii) any revocation or suspension of a licence or permit held by the licence holder under a law of the Australian Government, a State or a foreign country, being a law relating to the health and safety of people or the environment; and
 - iii) any event or circumstances that would affect the capacity of the holder of this licence to meet the conditions in it; and
 - (b) provide any information related to the licence holder's ongoing suitability to hold a licence, if requested, within the stipulated timeframe.
- 17. The licence holder must inform any person covered by this licence, to whom a particular condition of the licence applies, of the following:

- (a) the particular condition (including any variations of it); and
- (b) the cancellation or suspension of the licence; and
- (c) the surrender of the licence.

2.2 Provision of new information to the Regulator

Licence conditions are based on the risk assessment and risk management plan developed in relation to the application using information available at the time of assessment. The following condition requires that any new information that may affect the risk assessment is communicated to the Regulator.

18. The licence holder must inform the Regulator if the licence holder becomes aware of:
- (a) additional information as to any risks to the health and safety of people, or to the environment, associated with the dealings authorised by the licence; or
 - (b) any contraventions of the licence by a person covered by the licence; or
 - (c) any unintended effects of the dealings authorised by the licence.

Note: The Act requires, for the purposes of the above condition, that:

- (a) the licence holder will be taken to have become aware of additional information of a kind mentioned in paragraph 18 if he or she was reckless as to whether such information existed. This includes reported outbreaks in Australia cause by revertant or novel strains, arising from the commercial release of the GMO; and*
- (b) the licence holder will be taken to have become aware of contraventions, or unintended effects, of a kind mentioned in paragraph 18, if he or she was reckless as to whether such contraventions had occurred, or such unintended effects existed.*

Note: Contraventions of the licence may occur through the action or inaction of a person.

19. If the licence holder is required to inform the Regulator under condition 18, the Regulator must be informed without delay.

Note: An example of informing without delay is contact made at the time of the incident via the OGTR free call phone number 1800 181 030, which provides emergency numbers for incidents that occur out of business hours.

20. If at any time the Regulator requests the licence holder to collect and provide information about any matter to do with the progress of the dealings authorised by this licence, including but not confined to:
- (a) additional information as to any risks to the health and safety of people, or to the environment, associated with the dealings authorised by the licence, whether or not the licence holder has provided information to the Regulator under condition 18(a);
 - (b) any contraventions of the licence by a person covered by the licence, whether or not the licence holder has provided information to the Regulator under condition 18(b);
 - (c) any unintended effects of the dealings authorised by the licence, whether or not the licence holder has provided information to the Regulator under condition 18(c);
 - (d) research, including by way of survey, to verify predictions of the risk assessment, or for any purpose related to risks to the health and safety of people, or to the environment;
 - (e) scientific literature and reports in respect of the GMO authorised by this licence, for a nominated period;
 - (f) details of any refusals of applications for licences or permits (however described) to deal with the GMO made pursuant to the regulatory laws of a foreign country;

and the request is reasonable, having regard to consistency with the Act and relevance to its purpose, then the licence holder must collect the information and provide it to the Regulator at a time and in the manner requested by the Regulator.

Note: The Regulator may invite the licence holder to make a submission on the reasonability of a request by the Regulator to collect and provide information relevant to the progress of the dealings with the GMO.

2.3 Obligations of persons covered by the licence

21. If a person is authorised by this licence to deal with the GMOs and a particular condition of this licence applies to the dealing by that person, the person must allow the Regulator, or a person authorised by the Regulator, to enter premises where the dealing is being undertaken, for the purposes of auditing or monitoring the dealing.

Section 3 Reporting and Documentation Requirements

3.1 Notification of authorisations by the Australian Pesticides and Veterinary Medicines Authority

22. The licence holder must notify the Regulator in writing within 14 days of obtaining a registration or permit from the APVMA and include information of how Condition 11 is met.
23. The licence holder must notify the Regulator in writing of any amendments to the conditions of any APVMA registration or permit involving the pattern of usage, handling, storage, transport or disposal of the GMOs, within 14 days of the change occurring.

3.2 Annual Report

24. The licence holder must provide an Annual Report to the Regulator by the end of September each year covering the previous financial year. An Annual Report must include:
 - (a) information about any adverse impacts, unintended effects, or new information relating to risks, to human health and safety or the environment caused by the GMOs or material from the GMOs;
 - (b) information about the numbers of GM vaccine doses distributed to each State and Territory.

3.3 Testing methodology

25. At least 14 days prior to conducting any dealings with the GMO, the licence holder must provide to the Regulator a written methodology to reliably detect the GMO, or the presence of the genetic modifications described in **Attachment A** in a recipient organism or environmental sample. The detection method(s) must be capable of identifying, to the satisfaction of the Regulator, the genetic modification event described in **Attachment A**.

Note: Please address correspondence to OGTR.M&C@health.gov.au

DIR No: 193

Full Title: Commercial supply of a genetically modified vaccine against infectious laryngotracheitis virus in chickens

Organisation Details

Postal address: Bioproperties Pty Ltd
36 Charter Street
Ringwood VIC 3134

Phone No: (03) 9871 2000

Accreditation No: Accr 131

GMO Description**GMOs covered by this licence**

The GM vaccine contains a live attenuated infectious laryngotracheitis virus (ILTV) CSW-1 strain. The GM vaccine was produced by the deletion of glycoprotein G from its genome.

Parent Organism

Common Name: Infectious laryngotracheitis virus (ILTV)

Scientific Name: *Gallid herpesvirus 1*

Modified traits

Category: Vaccine – attenuated

Description: ILTV has been genetically modified to reduce pathogenicity and virulence, for use as live attenuated vaccine.

Purpose of the dealings with the GMO

The purpose of the dealings is the commercial supply of the GM vaccine against ILTV Australia-wide to provide protection against ILTV infection. In addition, the efficacy and safety of the GMO using different administration methods will be tested prior to commercial supply. Therefore, the permitted dealings under this licence are transport, storage and disposal of the GM vaccines and conduct experiments with the GMO.