

DATA SHEET

	Ethical
X	Non-Ethical

1. **Trade Name of Product:** ColoZen™

2. **Poison Classification:** Not Applicable

3. **Description:**

The product is presented as a twin pack. A complex powder mixture in one bottle and the diluent in the other bottle. Before use the diluent is added to the powder and mixed thoroughly by shaking vigorously for at least two (2) minutes. The active ingredients are the Immunoglobulins, Vitamin A, Vitamin B₁₂ and growth factors.

4. **Mode of Action**

At birth neonates are immunologically naive. The immunoglobulin mixture in **ColoZen™** supplements the immunoglobulins from the mothers' colostrum. The major functions of the immunoglobulins are to: a) protect against infectious disease, and b) activate the neonates immune system. When administered within 48 hours of birth the immunoglobulins will cross the gut. Vitamin A and Vitamin B₁₂ are added to **ColoZen™** as nutrient supplements. Vitamin B₁₂ deficiency, a major animal health problem in New Zealand, leads to wasting, anaemia and lack of co-ordination. Young animals become listless and fail to thrive. Vitamin A assists intestinal tissue development and promotes beneficial microbial intestinal flora colonization.

5. **Indications:**

All new-born animals will benefit from **ColoZen™**. However, it is recognised that in some farming situations, for example, lambing and calving, farmers will administer **ColoZen™** only to weaker animals, orphan animals or in fostering situations.

6. **Contraindications:** Nil

7. **Dosage and Administration:**

ColoZen™ is administered orally by inserting the oral applicator well into the animal's throat. It is recommended that one dose of **ColoZen™** is given, as soon as possible after birth, but within the first 48 hours of life, before gut closure occurs. Animals that are weak, show a reluctance to suckle or are suffering from hypothermia will benefit from two or three doses given at two hour intervals.

Recommended Dosage for ColoZen™*

Animal	Amount given per dose (ml)	Immunoglobulin content per dose (mg)	Vitamin B ₁₂ content per dose (µg)
Lambs	3	150	990
Kids	3	150	990
Piglets	3	150	990
Calves	30	1300	2970
Foals	40	2000	4840
Fawns	40	2000	4840

* One dose is recommended for each animal administered within 48 hours of birth. However, for a new-borns that receive little or no colostrum and/or is suffering from hypothermia, two (2) or three (3) doses administered at two (2) hour intervals is recommended.

8. **Toxicity:** Nil

9. **Adverse Effects:** Nil

10. **Withholding Times:** Nil

11. **Life to Expiry:**

In the separate packs of powder and diluent the product is stable for two years. Maximum stability is achieved when the product is stored in a cool (less than 15°C), dry place. When the diluent and powder are mixed, ready for use, the product is stable for two (2) months when stored at 4-8°C (refrigerated).

12. **Warnings to Handler / Operator:** Safe to handle

13. **Precautions:** Nil

14. **Symptoms of Poisoning, first Aid:** Safe

15. **Licensee Name and Address:**

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16. **Licence Conditions:** OTC

17. **Licence Number:** ARB 7389

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