SMARTSHOT® B₁₂

Long-acting vitamin B₁₂ injection for sheep and cattle.

ACTIVE CONSTITUENTS

Each ml contains 3 mg hydroxocobalamin hydrochloride encapsulated in a lactide/glycolide co-polymer for extended release.

USES

For long term prevention and treatment of cobalt/vitamin B₁₂ deficiencies in lambs, ewes and calves, particularly when grazing cobalt deficient pastures. Cobalt deficiency in soil and/or pasture leads to low vitamin B₁₂ in body tissues. Vitamin B₁₂ is essential in energy and protein metabolism in ruminants, and a deficiency may cause anorexia leading to ill thrift, starvation and poor growth, particularly in young animals.

LAMBS

- Lambs for slaughter: 0.5 ml. Following injection of lambs with 0.5 ml of SMARTSHOT® B_{12} from three weeks of age (at docking/tailing time), vitamin B₁₂ levels will be maintained at adequate concentrations for 3-4 months until time of slaughter.
- Lambs as ewe replacements: 1 ml. Following injection of lambs with 1 ml of SMARTSHOT® B₁₂ from three weeks of age (at docking/tailing or weaning time), vitamin B₁₂ levels will be maintained at adequate concentrations for 180 days, and in some cases the effect may be for 200 to 240 days. However, users are advised to consult their veterinarian before assuming adequacy beyond 180 days.

EWES

Following the premating injection of ewes with SMARTSHOT® B₁₂, vitamin B₁₂ levels will be maintained at adequate concentrations for 180 days and in some cases the effect may be for 200 to 240 days. However, users are advised to consult their veterinarian before assuming adequacy beyond 180 days. Adequate vitamin B₁₂ levels will be maintained in the offspring until one month of age.

CALVES

Following injection of calves with SMARTSHOT® B₁₂ from three weeks of age, serum vitamin B₁₂ levels will be maintained at concentrations ensuring adequacy for up to three and a half months.

Before use veterinary advice should be sought to establish pasture cobalt levels and blood and liver levels of vitamin B₁₂ of the animals to ensure that other causes of ill thrift are not overlooked.

DOSAGE AND ADMINISTRATION

By law the user must take due care, obtaining expert advice when necessary, to avoid unnecessary pain and distress when using the product other than as directed on the label. ADMINISTER BY SUBCUTANEOUS OR INTRAMUSCULAR INJECTION IN THE ANTERIOR HALF OF THE NECK ONLY. DO NOT EXCEED STATED DOSE AND FREQUENCY. ENSURE THE PRODUCT IS FULLY RESUSPENDED BY SHAKING WELL BEFORE AND DURING USE.

Lambs at docking/tailing: 0.5 ml for lambs for slaughter, 1 ml for lambs as ewe replacements.

Lambs at weaning: 1 ml

Ewes: 5 ml

Calves: 1 ml per 25 kg liveweight

Administer only with a SMARTSHOT® injector. When not in use, do not hang injector below pack. Needles should be changed frequently and as necessary.

WITHHOLDING PERIODS

PRECAUTIONS

Do not administer to lambs or calves less than three weeks of age. A swelling commonly occurs at the injection site. It is usually transient and will normally disappear within one month but on occasions, may take three months to resolve.

WARNING

Do not handle until all safety precautions have been read and understood. Avoid direct contact. If exposed or if you feel unwell call a POISON CENTRE or get medical attention/advice. Keep out of reach of children. When handling, wear chemical resistant gloves. Store locked up in original container. Keep container tightly closed and away from foodstuffs. Do not eat, drink or smoke while using. Wash hands thoroughly before meals and after use. Avoid selfinoculation Avoid contamination of soil or any water supply with product or empty container.



DISPOSAL

Dispose of this product only by using according to the label, or at an approved landfill or other approved facility. Ensure container is completely empty. Dispose of the empty container in an approved landfill or other approved facility. DO NOT use the container for any other purpose.

STORAGE

Store upright in a cool place, preferably refrigerated. Do not freeze. Protect from light.

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Manufactured and distributed in New Zealand by:

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