



Product Information

AHD B₁₂ 1000 + Selenium Injection

Name:	UNLOCK AHD B ₁₂ 1000 + Selenium Injection	
Pack Size/s:	500mL	
AHD Product Code:	UB121000	
Main Points:	For the prevention and treatment of vitamin B ₁₂ (cobalt) and selenium deficiencies in sheep and cattle	
Status:	OTC /Vet	
Ingredients:	<ul style="list-style-type: none">Hydroxocobalamin (as acetate) 1000µg/mLSelenium (as sodium selenate) 2mg/mL	
Indications:	<ul style="list-style-type: none">Cobalt is an essential component of vitamin B₁₂ (cyanocobalamin) which in ruminants is synthesised by microorganisms in the rumen. Under conditions of adequate dietary cobalt, microbial synthesis of vitamin B₁₂ is usually sufficient to meet the animal's requirements. Vitamin B₁₂ deficiencies occurs in animals grazing pastures with low cobalt content. Inadequate cobalt content of pastures may be related to a primary soil cobalt deficiency or various factors which reduce cobalt intake by plants. Seasonal variations in pasture cobalt content occur and deficiency is commonly associated with rapid spring pasture growth.Vitamin B₁₂ has an essential role in ruminants as co-enzymes involved in the energy-producing pathway, gluconeogenesis. Propionic acid, a major product of carbohydrate metabolism in the rumen is converted to glucose in the liver via a B₁₂-containing enzyme. This conversion is critical in ruminants as they absorb little dietary glucose and are therefore dependent on gluconeogenesis for glucose production.Vitamin B₁₂ also acts as a co-enzyme in the formation of DNA, so is essential for cell maturation, division and growth. Deficiencies of vitamin B₁₂ result in a general depression of cellular development and growth. Normal red blood cell production involves particularly rapid cellular growth and proliferation, thus adequate amounts of vitamin B₁₂ are vital for this process.	
Action:	<p>Vitamin B₁₂ has an essential role in ruminants as a co-enzyme involved in the energy -producing pathway, gluconeogenesis. Propionic acid, a major product of carbohydrate fermentation in the rumen, is converted to glucose in the liver via a B₁₂ – containing co -enzyme. This conversion is critical in ruminants, as they absorb little dietary glucose and are therefore dependent on gluconeogenesis for glucose production.</p> <p>Vitamin B₁₂ also acts as a co- enzyme in the formation of DNA, so essential for cell maturation, division and growth. Deficiencies of vitamin B₁₂ result in a general depression of cellular development and tissue growth. Normal red blood cell production involves particularly rapid cellular growth and proliferation, thus adequate amounts of vitamin B₁₂ are vital for this purpose.</p>	



Animal Health Direct Limited

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Administration:	<p>Do not use unless selenium deficiency has been diagnosed.</p> <p>By subcutaneous or intramuscular injection. Injection to be given into the anterior half of the neck.</p> <p>Repeat as directed by veterinary surgeon. Frequency of dosing should be related to the severity of the deficiency.</p> <ul style="list-style-type: none">Do not use at the same time as any other selenised fertiliser, prill or product without consulting with a veterinarian. Do not exceed the stated dose or dose more frequently than 3-weekly.
Dosage:	<ul style="list-style-type: none">Lambs: 1mL at tailing or weaningAdult Sheep: 1.5-2.5mL pre-lambingCalves: 5mL from 2 months of ageAdult Cattle: 10-12mL pre-calving
Special Precautions:	<p>Do not use at the same time as any other selenised fertiliser, prill or product without consulting with a veterinarian. Do not exceed the stated dose or dose more frequently than 3-weekly.</p> <p>WITHHOLDING PERIODS. NIL</p>
Storage:	<p>DISPOSE of empty container by wrapping with paper and putting it in the garbage.</p> <p>STORE below 25°C (air conditioning). Protect from light. Once vial is broached use contents within 6 months or discard</p> <p>KEEP OUT OF REACH OF CHILDREN</p>
Registration:	<p>Registered pursuant to the ACVM Act 1997 No A11784.</p> <ul style="list-style-type: none">See www.foodsafety.govt.nz for registration conditions
Category:	Dietary support



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