New Zealand

International Animal Health Products

copperEX™ injection

FOR THE TREATMENT AND PREVENTION OF COPPER DEFICIENCY IN CATTLE.

PRESENTATION: Sterile solution.

ACTIVE CONSTITUENTS: Each mL contains: Copper (as Glycinate) 60 mg.

PROPERTIES:

copperEX™ injection is an injectable suspension of copper glycinate, the highly ionised copper salt of the amino acid glycine. Copper Glycinate forms a depot on subcutaneous injection from which slow sustained release of the copper salt occurs. The slow rate of release of copper glycinate from the injection site precludes the rapid rise in blood copper levels which is a feature of other more soluble parenteral copper preparations which may release free copper ions to the blood stream and so have a correspondingly higher toxic potential. At no stage following injection of **copperEX™** is there circulation of free ionised copper, so there is minimal potential for the development of copper toxicity.

Following absorption, the copper salt in **copperEX™ injection** is transiently bound to plasma proteins, with rapid redistribution to the liver for storage. The copper stored in the liver acts as a depot from which copper can be slowly released to maintain normal concentrations of copper in the blood during periods when the copper intake may be inadequate.

Copper is required to maintain normal chemical and physical functions of the body. Copper is integral in the metabolism of iron, nervous system support, bone formation, and maintenance of immunity and reproduction.

DOSAGE AND ADMINISTRATION:

Excessive copper is toxic. Do not use where copper deficiency has not been diagnosed. Seek veterinary advice to ascertain copper deficiency and appropriate treatment. Use contents within 60 days of first broaching the pack. Discard unused portion.

Cattle: under 150 kg: 1 mL; over 150 kg: 2 mL
Seek veterinary advice prior to treating a second time.

MEAT WITHHOLDING PERIOD: Nil.

CONTRAINDICATIONS: Not to be used concurrently with any other form of copper supplementation, or administered at the same time as any other treatment eg. drenching, vaccination. Do not administer to animals suffering from liver disease, fascioliasis or which have been grazing on pasture containing plants which may cause liver disease.

POISONS SCHEDULE: Nil.

REGULATORY STATUS: **New Zealand**: Restricted Veterinary Medicine, available only under veterinary authorisation. Registered pursuant to the ACVM Act 1997, No. A007224.

IN-USE BROACHING: Use contents within 60 days of first broaching the pack. Discard unused portion.

PACK SIZE: 250 mL

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