



International
Animal Health Products
THE AUSTRALIAN COMPANY

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:

Seek veterinary advice to ascertain copper deficiency and appropriate treatment.

Cattle: under 150kg: 1mL; over 150kg: 2mL

Seek veterinary advice prior to treating a second time.

MEAT WITHHOLDING PERIOD: Nil.

POISONS SCHEDULE: Nil.

REGULATORY STATUS: **New Zealand:** Prescription Animal Remedy (P.A.R) Class 1. For use only under the authority or prescription of a veterinarian. Registered pursuant to the ACVM Act 1997, No. A7224.

PACK SIZES: 250 mL