



International  
Animal Health Products  
THE AUSTRALASIAN COMPANY

# IRONVITA BLOOD & OXYGEN™

*LIQUID IRON, COPPER, COBALT, AND FOLIC ACID SYRUP FOR HORSES.*

**PRESENTATION:** A concentrated, brown palatable liquid for addition to the feed.

**ACTIVE CONSTITUENTS:** Each 30 mL dose contains:

IRON	300 mg
COPPER	30 mg
COBALT	1.1 mg
FOLIC ACID	9 mg

**PROPERTIES:** HARDOCK'S® IRONVITA BLOOD & OXYGEN™ is a palatable supplement for the prevention and treatment of clinically insignificant deficiencies of iron, copper, and folic acid in horses. IRONVITA BLOOD & OXYGEN™ contains iron, copper and cobalt, the three essential trace-minerals required for haemoglobin synthesis complemented by the vitamin, folic acid.

Studies have shown that stabled horses, and those in full work, such as racehorses and harness horses, eventers, polo and endurance horses especially under heavy sweat conditions, require considerably greater amounts of these trace-minerals and folic acid than are normally available in feed.

This is due in part to blood cell recycling, which is greatly accelerated in performance horses. Iron (haeme) combines with protein (globin) to make haemoglobin, the component of red blood cells. As a part of haemoglobin, iron transports oxygen to all cells and tissues of the body. The trace-mineral copper is essential for uptake of iron from the gut, the formation of red blood cells and its incorporation into haemoglobin. The trace-mineral cobalt is required for synthesis of vitamin B<sub>12</sub> by bacteria during hindgut fermentation. Vitamin B<sub>12</sub> is only present in feed from animals, bacterial or yeast origin and is not contained in pasture or fodder plants. Folic acid is responsible for the formation of haemoglobin and in addition for normal growth and reproduction. Horses confined to the stable are denied access to large quantities of green feed, the primary source of the folate, or folic acid and supplementary folic acid has shown to be required for optimum red cell production and metabolism.

Deficiency of dietary sources of folic acid, iron, copper or cobalt, combined with a demanding work program can lead to the deficiency anaemia complex, loss of appetite, infertility and abortion, and increased susceptibility to stress and disease. Horses that sweat heavily, such as harness horses during training, or horses trained under hot conditions or for prolonged periods lose iron in their sweat (23mg/L) and therefore, supplementary iron in the feed is recommended to maintain adequate red cell synthesis and replacement.

IRONVITA BLOOD & OXYGEN™ supplies ample amounts of these nutrients in a highly palatable syrup for addition to feed.

## DOSAGE AND ADMINISTRATION:

Mix 30 mL to 45 mL daily in wet or dry feed or as directed by a veterinarian. The 1 L and 5 L container caps hold 15 mL.

**MEAT WITHHOLDING PERIOD: NIL (Australia)**

**POISONS SCHEDULE: S5 (CAUTION) (Australia)**

### REGULATORY STATUS:

**Australia:** AUSTRALIAN PESTICIDES & VETERINARY MEDICINES AUTHORITY

**New Zealand:** EXEMPT

### PACK SIZES:

1 L	(contains 33 x 30 mL doses)
5 L	(contains 166 x 30 mL doses)
25 L	(contains 833 x 30 mL doses)

Australia-Wide Toll Free: 1800 801 201	New Zealand Toll Free: 0800 424 999 (0800 IAH 999)
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11/2023