INTERNATIONAL VETERINARY MARKETING LTD



2026 – 2027 EDITION

Veterinary Nutritional Solutions

Product Catalogue

SCIENCE HEALTHY ANIMALS • HEALTHY COMMUNITIES • A BETTER WORLD PERFORMANCE

GLOBAL REACH. LOCAL IMPACT.

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Welcome to IVM

Improving Animal Health Through Science

At International Veterinary Marketing Ltd. (IVM), we are committed to providing innovative veterinary nutritional solutions that help improve animal health, productivity, and profitability — supporting immunity, digestive efficiency, liver function, respiratory health, fertility and growth.

> Helping animals perform better through science-driven nutrition.

IVM LTD

DRIVEN BY SCIENCE, FOCUSED ON ANIMAL WELL-BEING

OUR VISION

To be a trusted international veterinary nutrition brand recognized for quality, innovation, and customer success.

OUR MISSION

Deliver innovative veterinary nutritional solutions that improve animal health, enhance productivity, and create lasting value for our customers worldwide.

OUR VALUES

- **Innovation** — new ideas and technologies for better solutions.
- **Quality** — highest standards in everything we do.
- **Integrity** — honesty, transparency and respect.
- **Customer Partnership** — growing together through trust.
- **Continuous Improvement** — we pursue excellence, never stop improving.



About IVM

IVM Ltd. is a progressive professional Canadian veterinary company that develops and distributes a wide range of animal health and nutritional products, including supplements, medications, and feed additives.

With a wealth of experience in the animal health sector, IVM has been a trusted partner in various regions of the world. By using premium quality raw materials, we aim to achieve maximum expected results, improving and optimizing animal health, performance, and customer profitability.

All our products are manufactured according to GMP standards. Each product is confirmed to comply with the highest quality standards, carefully monitored in every phase of development and production.



OUR PORTFOLIO SUPPORTS

Gut Health | Liver Health | Respiratory Function | Fertility | Growth | Feed Efficiency | Immunity | Stress Management | Overall Performance

INTENDED FOR



At IVM Ltd, we are committed to delivering practical nutritional solutions that improve animal health, productivity, and profitability.

WHY CHOOSE IVM?

Your Trusted Partner in Animal Health Solutions



QUALITY PRODUCTS
High-quality products manufactured to international standards.

TECHNICAL EXPERTISE
Professional technical support and guidance whenever you need it.

STRONG PARTNERSHIP
We grow together with our customers through trust and long-term partnership.

GLOBAL REACH
International distribution network delivering reliable solutions worldwide.

INNOVATION
Continuously developing innovative solutions to meet the evolving needs of animal health.

TRUST & RELIABILITY
Committed to building lasting relationships based on trust, transparency, and dependability.

PREMIUM QUALITY
Carefully selected ingredients for maximum results.

SCIENCE BACKED
Research-driven formulations for effective performance.

MANUFACTURED TO STANDARDS
Produced in certified facilities under strict quality control.

SAFE & RESPONSIBLE
Safe for animals, people, and the environment.

IVM is dedicated to delivering animal health solutions you can rely on. **Because your success is our mission.**

Manufacturing & Quality Commitment

All IVM products are manufactured according to GMP standards. Each product is confirmed to comply with the highest quality standards, which are carefully monitored in every phase of development and during the production process.

Manufacturing Sites

Canada
Italy
France
Hungary
Poland

Selected specialty formulations are produced for IVM Ltd – Canada by our featured European partners under the same GMP-controlled standards.

Certifications

Every facility is audited to GMP/HACCP standards, with quality verified at each stage from ingredient selection to final packaging.

Our Quality Process

1 Ingredient Selection → 2 Scientific Formulation → 3 Quality Verification → 4 Modern Packaging → 5 Customer Success

Built Into Every Batch

Full Traceability
Every batch traceable from raw material to delivered pallet.

Batch Testing
Each production batch analysed before release.

Independent Audits
Facilities audited to GMP+ and HACCP protocols.

Full Documentation
CoA, safety data and regulatory dossiers with every shipment.

Quality is not a stage — it is the whole process.
From ingredient selection to the delivered pallet, every step is monitored, verified and documented.

GMP+	ISO 9001	HACCP	5
Feed safety assurance	Quality management	Hazard control	Production countries

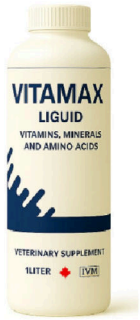
Product Portfolio

Solutions for every stage of production.

11	3	9
PRODUCTS	CATEGORIES	SPECIES

VITAMIN & MINERAL SUPPLEMENTS

5 products



Vitamax
Complete multivitamin support



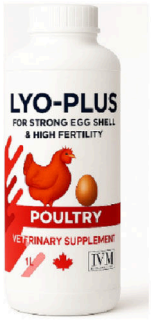
VitaD3E Plus
Vitamin A, D3 & E support



Vita E-Sel 20% Plus
Antioxidant & fertility support



Vitacal
Calcium, phosphorus, minerals



Lyo-Plus
Egg shell & fertility support

SPECIALTY CARE PRODUCTS

4 products



Hepaxion
Liver support & detoxification



Pulmovital
Respiratory health support



Startboost
Neonatal immune support



Mycozex
Mycotoxin management

Targeted Therapeutic Care

For specific physiological challenges.

FEED ADDITIVES

2 products



MannanoGlucan Pro
Gut & immune health support



Synzymex
Multi-enzyme & synbiotic

Manufactured to GMP+ and ISO 9001:2015 standards

Every IVM product is produced in GMP/HACCP-certified facilities in Canada, Italy, France, Poland and Hungary, with quality verified from ingredient selection to final packaging.

Hepaxion

FOR LIVER SUPPORT & DETOXIFICATION

COMPLETE LIVER CARE. BETTER PERFORMANCE.



HEPAXION is a complete all-in-one solution for effective animal performance. It supports liver function and detoxification, helps prevent fatty liver conditions and liver dysfunction, and assists animals in balancing fat deposition.

Liver Support
Promotes optimal liver function and natural detoxification.

Detox & Protect
Neutralizes toxins and protects liver cells from oxidative stress.

Fat Metabolism
Helps prevent fatty liver and supports healthy fat metabolism.

Better Performance
Improves feed efficiency, growth and productivity.

Immune & Gut Health
Supports immune function and a healthy gastrointestinal tract.

Safe & Effective
Balanced formula for everyday use, all production stages.

HEALTHY LIVER. HEALTHY ANIMALS. HIGHER RETURNS.

- Supports liver detoxification
- Prevents fatty liver conditions
- Strengthens immunity & natural defenses
- Supports gut health & nutrient absorption
- Optimizes performance & productivity

100%	0	6 Days
Natural liver-support formula	Withdrawal period required	Standard treatment course

POULTRY | CATTLE | HORSE | CAMEL | SHEEP | GOAT | CALVES | PIGS

NATURAL & SAFE | SCIENTIFICALLY FORMULATED | QUALITY ASSURED | BETTER HEALTH BETTER RESULTS

Powerful Ingredients. Proven Benefits.

Me **Methionine —** primary methyl donor; converts into SAMe, driving Phase II liver detoxification.

Ch **Choline Chloride —** packages and transports fats out of the liver, preventing fatty liver.

B3 **Vitamin B3 (Niacin) —** vital cofactor for Phase I detoxification enzyme systems.

Ly **Lysine —** supports protein synthesis, tissue repair and liver cell processing.

Mn **Manganese —** antioxidant cofactor, shields hepatocytes from oxidative stress.

Bt **Betaine —** helps export fats and restores hepatic glutathione levels, protecting liver cells.

COMPOSITION (PER LITRE)

Lysine	6,500 mg
Methionine	4,200 mg
Choline Chloride	215,000 mg
Betaine	75,000 mg
Vitamin B3 (Niacin)	30,000 mg

INDICATIONS

Complete all-in-one solution for effective animal performance: supports liver function and detoxification, helps prevent fatty liver, and assists animals in balancing fat deposition and optimizing heart, muscle, immune and gastrointestinal function.

DOSAGE & ADMINISTRATION — VIA DRINKING WATER

Poultry	1L / 4,000L water, 6 days
Cattle, horses, camels	20ml / 100kg BW, 6 days
Sheep, goats, calves	10ml / 100kg BW, 6 days
Pigs	1L / 2,000L water, 6 days

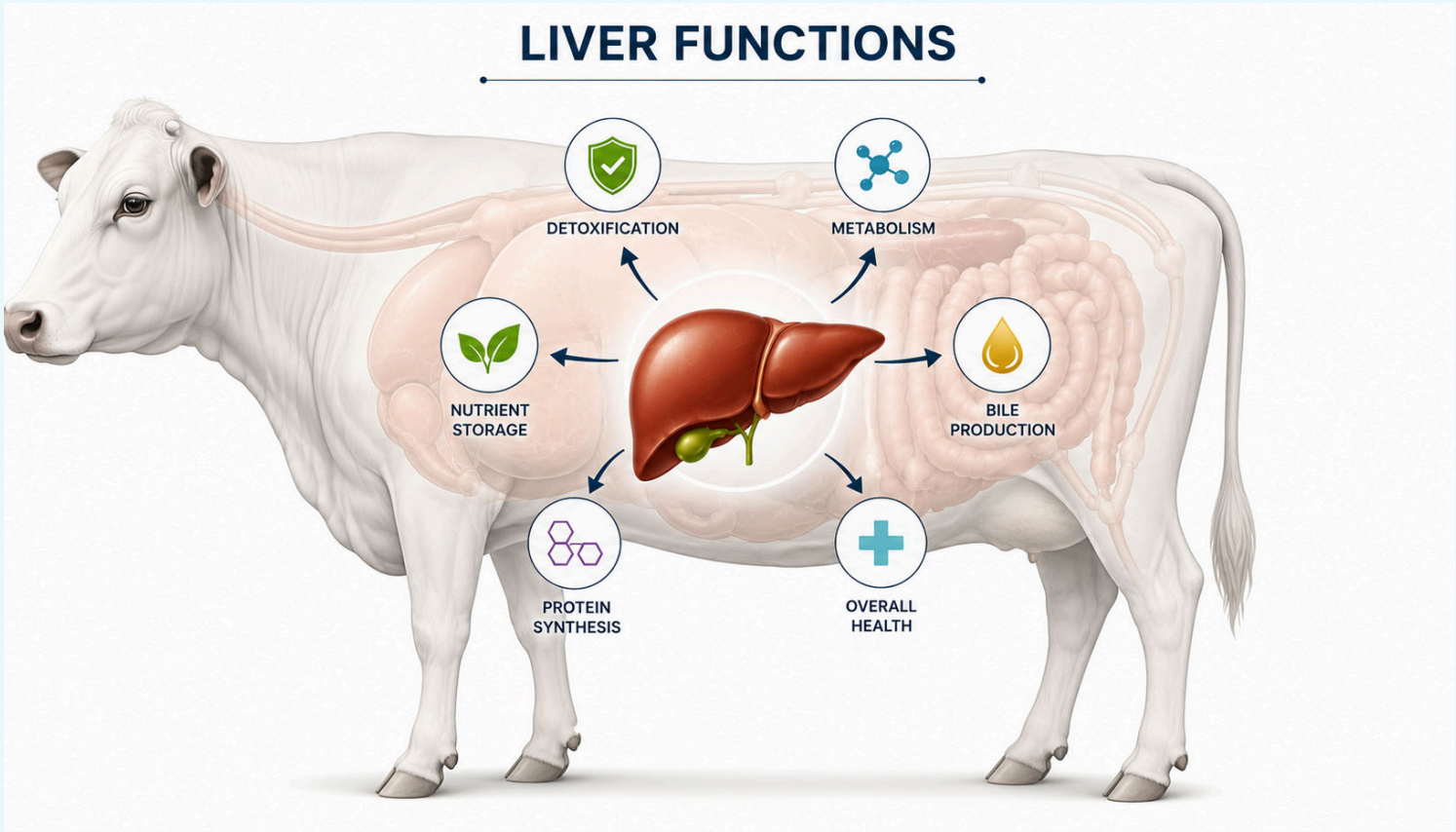
Use drinking water within 24 hours; adjust concentration if intake changes.

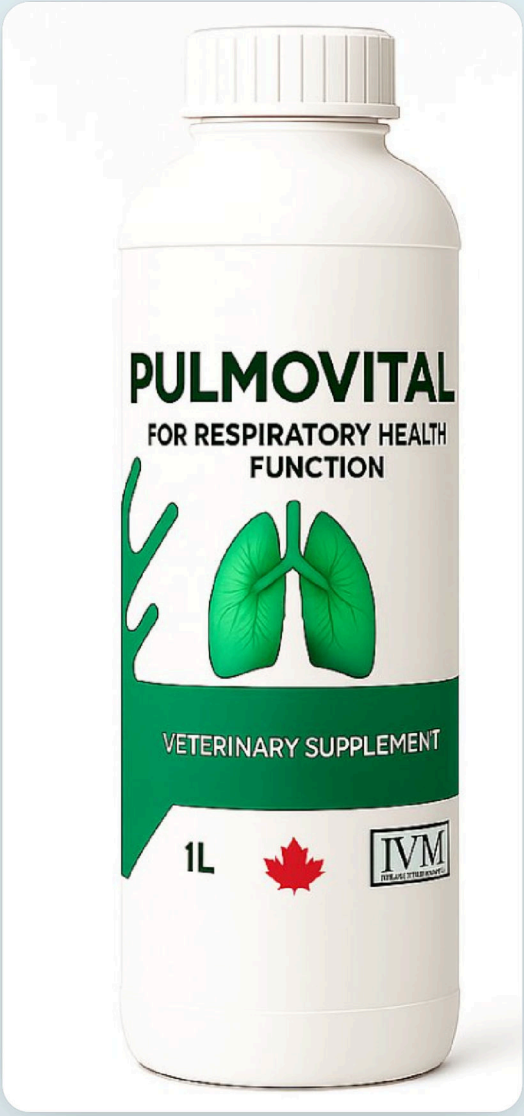
Side effects
None

Withdrawal
None

Packing
1 litre bottle

Storage
Dry, dark, <25°C





Pulmovital

FOR RESPIRATORY HEALTHY FUNCTION

NATURAL RESPIRATORY SUPPORT FOR OPTIMAL PERFORMANCE

A natural product of a botanically defined synergistic blend of essential oils (eucalyptus, glycyrrhiza, mentha piperita and thymus extracts) that helps keep the respiratory system pathogen-free, stimulates and supports respiratory health, and maintains clear airways.

- **Supports Healthy Function**
  Supports healthy respiratory function.
- **Promotes Natural Defenses**
  Strengthens the body's natural defenses.
- **Clear Airways**
  Helps maintain clear, open airways.
- **Botanical Essential Oils**
  Natural essential oil synergy.

NATURAL BOTANICAL BLEND

A pathogen-free, essential-oil respiratory synergy — safe across every livestock species.

4	0	All
Botanical extracts	Withdrawal period	Livestock species



Composition, Dosage & Administration

ACTIVE INGREDIENTS (PER LITRE)

Glycyrrhyza glabra	5,000 mg
Eucalyptus globulus	3,000 mg
Thymus vulgaris	5,000 mg
Mentha Piperita	5,000 mg
Glycol (emulsifier)	q.b. to 1L

Also contains organic acids and natural plant extracts.

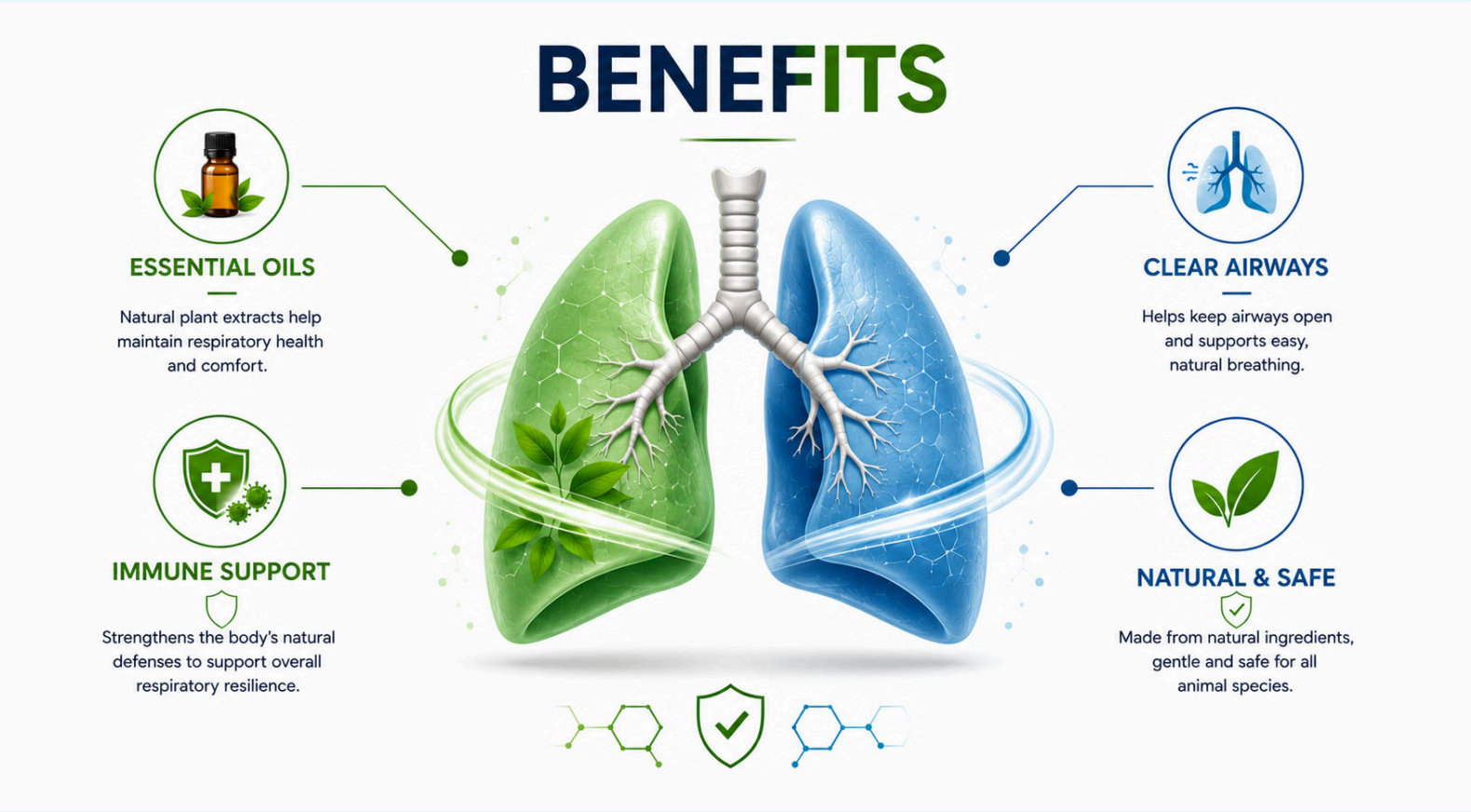
DOSAGE — VIA DRINKING WATER

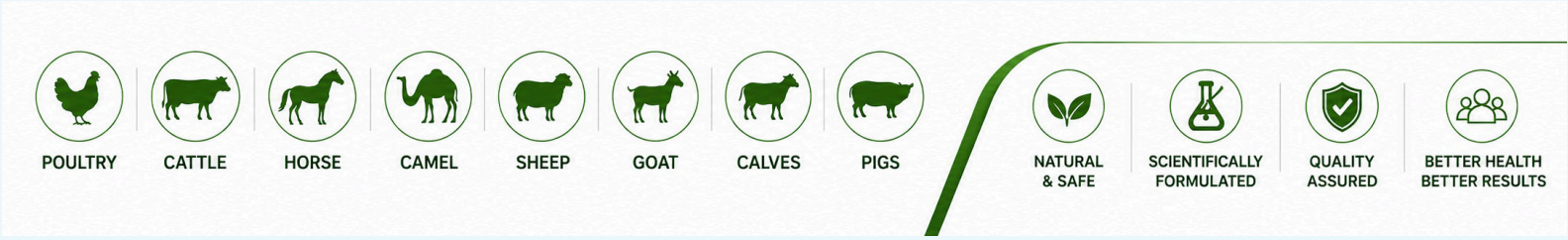
Poultry chicks	200–300ml/1,000L
Broilers, layers, breeders	400ml/1,000L
Cattle, sheep, goat, horse, camel, pigs	400ml/1,000L

In acute conditions, dosage may be increased up to two times.

PACKING & STORAGE

1L bottle and 1 Gallon (5L). Keep below 25°C in a sealed, cool, dry place protected from direct sunlight.





STARTBOOST

PASTE

THE BEST START FOR A HEALTHY LIFE

For newborn animals immediately after birth to support the gut and immune system, or after antibiotic treatment. It contains probiotics (gut bacteria) and high-quality colostrum — a source of immunoglobulins and amino acids. The product's main ingredients help create favourable microflora and are a source of vitamins and easily absorbed energy.



Probiotic colonisation of intestinal villi

- **Immune Support**
- **Healthy Gut Microflora**
- **High-Quality Colostrum**
- **Better Growth & Vitality**
- **Protection from Diarrhea**



PROBIOTICS & COLOSTRUM

For strong immunity and a healthy gut from day one

SIMPLE TO USE



Accurate dosing with a graduated 30 ml syringe for best results.

IDEAL FOR

LAMBS | KIDS | CALVES | SHEEP | GOAT

NATURAL & SAFE | SCIENTIFICALLY FORMULATED | QUALITY ASSURED | BETTER HEALTH BETTER RESULTS

Indications, Dosage & Composition

INDICATIONS

- Supporting the immune system of lambs, young sheep and calves
- Contains beneficial bacteria to increase gut microflora, ensuring good digestion and efficient weight gain
- Strengthening health and vitality
- Postnatal weakness and after antibiotic therapy
- Protection against diarrhea caused by bacterial and viral diseases, as well as respiratory diseases
- Improvement in weight gain and general health

WITH PROBIOTICS & COLOSTRUM

Natural immune defence built from the first hours of life

INSTRUCTIONS FOR PROPER USE

Lambs, kids
4–5 ml immediately after birth, repeat after ~4 hours.

Calves, goats, older lambs & kids
10 ml per day (weakened animals).

COMPOSITION

VITAMINS
B1, B2, niacinamide, D-panthenol, B6, B12, K3

PROBIOTIC
Enterococcus faecium — live beneficial gut bacteria

IMMUNOGLOBULINS
High-quality colostrum, amino acid source

ENERGY & CARRIERS
Dextrose, soybean oil, propylene glycol, maltodextrin, pectin

Also contains a mixture of flavouring compounds to encourage voluntary intake in newborn animals.

HOW STARTBOOST WORKS

1 · Colostrum Intake
Immunoglobulins and amino acids delivered in the critical first hours.

→

2 · Gut Colonisation
Enterococcus faecium establishes favourable microflora on the villi.

→

3 · Pathogen Defence
Beneficial bacteria crowd out pathogens causing scours and disease.

→

4 · Growth & Vitality
Efficient digestion drives weight gain and stronger general health.

30 ml	4–5 ml	10 ml	0
Graduated syringe	Lambs & kids at birth	Calves, per day	Withdrawal period

PRODUCT PRESENTATION



SIDE EFFECTS
None

WITHDRAWAL
None

STORAGE
Dry, dark place below 25°C. Keep away from children.

PACKING
Graduated 30 ml syringe



PROTECT · PERFORM · PROSPER

Mycozex Liquid

COMPREHENSIVE PROTECTION AGAINST MYCOTOXINS

MYCOZEX LIQUID is a combination of a **mold inhibitor** and **toxin binder** to combat mycotoxigenic mold species and immobilize the toxins they produce. It improves F.C.R. and feces consistency, reduces enteric problems and smell in the farm, and bonds with mycotoxins present in the feed and in the animal's digestive tract.

HIGHLIGHTS

- Water-soluble
- Safer for animals
- Non-corrosive
- No absorption loss
- Taste-neutral



COMPOSITION / L

1k236	Formic Acid
1a338	Phosporic Acid
1a330	Citric Acid
2b08004	Lactic Acid
1a296	Malic Acid
3b405	Copper Penta Sulphate
	Essential oil (Thymol)
1a200	Sorbic Acid
	Demineralized water up to

ANIMAL SPECIES

Poultry

Net volume	**1 L & 5 L**
Shelf life	**24 months**

Storage: keep below 25°C, sealed, in a cool dry place protected from direct sunlight. A nutritional additive — not a medicine, not for human use. Keep out of reach of children. Any change in colour does not affect activity.

THE THREAT — WHY MYCOTOXIN CONTROL MATTERS



Mycotoxigenic Molds
Produce toxins that harm gut integrity and overall productivity.



Contaminated Feed
Commonly leads to poor growth, weak immunity and lost profitability.



Mycotoxins
A silent threat to poultry health, performance and flock uniformity.

HOW MYCOZEX WORKS — DUAL MODE OF ACTION

1 · Inhibits Mold Growth
Organic acids and thymol suppress mycotoxigenic mold in feed and water lines.

→

2 · Binds Mycotoxins
Yeast-derived binders lock onto toxins in feed and along the digestive tract.

→

3 · Protects the Gut
Immobilised toxins pass through — gut integrity and absorption are preserved.

→

4 · Restores Performance
Better F.C.R., firmer feces, fewer enteric problems and reduced farm odour.

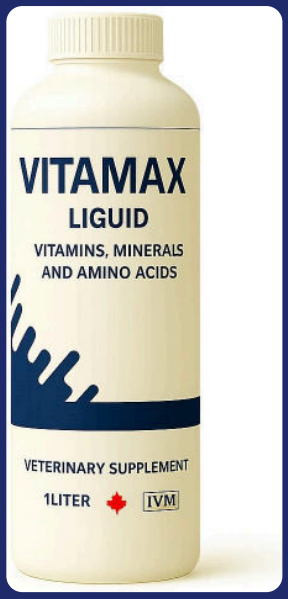
For veterinary use only | Shake before use | Made in Canada

IMMUNE SUPPORT | HEALTH & PERFORMANCE | BETTER F.C.R. & GUT HEALTH

1–4 L
per 1,000 L water · 3–5 days

1 L / 5 L
Packing · Poultry





1 LITER · VETERINARY SUPPLEMENT

Vitamax Liquid

VITAMINS, MINERALS AND AMINO ACIDS

COMPLETE NUTRITION. BETTER PERFORMANCE.

Complete & Balanced
Vitamins, minerals, trace elements and amino acids for optimum health.

Enhances Performance
Growth rate, feed efficiency, egg production and quality, milk yield, fertility.

Immunity & Stress Tolerance
Strengthens natural defense against disease, heat stress and dehydration.

Essential For All Life Stages
Supports newborns, growing animals and peak production periods.



TARGET SPECIES

- Poultry
- Dairy Cattle
- Beef Cattle
- Sheep
- Goats
- Horses

COMPOSITION — Typical Analysis, Higher Values

VITAMINS (per L)

Vitamin A (Retinol)	3,300,000 IU
Vitamin D_3	800,000 IU
Vitamin E (Acetate)	6,500 mg
Vitamin C (Ascorbic acid)	4,800 mg
Vitamin B1 (Thiamin HCl)	1,600 mg
Vitamin B2	3,200 mg
Vitamin B6 (Pyridoxine HCl)	3,200 mg
Vitamin B12	20 mg
Vitamin K3 (Menadione)	1,600 mg
Biotin	10 mg

MINERALS & TRACE (mg/L)

Sodium	1,200
Magnesium	700
Potassium	700
Manganese	900
Zinc	900
Iron	30

QUALITY ASSURED
Tested for purity, potency and performance.

AMINO ACIDS (mg/L)

Lysine, Methionine, Threonine, Glycine, Arginine, Phenylalanine, Valine, Alanine, Proline, Serine, Tyrosine, Tryptophan, Histidine, Isoleucine, Cystine, Glutamic acid and others.

Amino acids are the building blocks of life — used for protein synthesis, growth, repair of body tissues and muscles, and for production.

DOSAGE & ADMINISTRATION

POULTRY
Prevention: 1 ml / 4 L drinking water for 5–10 days.
Treatment: 1 ml / 2 L drinking water for 5 days.

LIVESTOCK
1–2 ml / 10 kg body weight for 5–10 days, or as directed by the registered veterinary physician.



CONTRAINDICATIONS
None

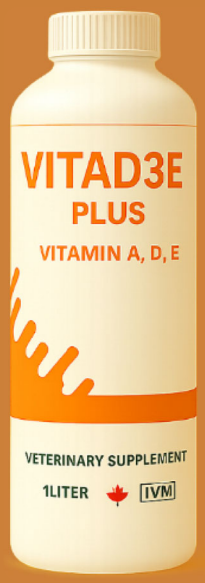
SIDE EFFECTS
No side effects observed at recommended doses.

WITHDRAWAL PERIOD
None

STORAGE
Dry, dark place between 8°C and 25°C, in closed packing.

KEY BENEFITS OF VITAMAX

- Improves immunity & disease resistance
- Enhances growth & productivity
- Improves egg quality & hatchability
- Supports fertility & lactation
- Helps overcome heat stress & dehydration
- Improves feed efficiency



1 LITER · VETERINARY SUPPLEMENT

VITAD3EPLUS

VITAMIN A, D3, E ORAL SOLUTION

COMPLETE VITAMIN SUPPORT FOR HEALTH, FERTILITY & PERFORMANCE

Essential Vitamins
Supports immunity, vision, bone health, reproduction and overall well-being.

Better Performance
Improves growth, fertility, feed efficiency and animal productivity.

Highly Palatable
Easy to administer in drinking water. Animals accept it very well.



COMPOSITION

Each litre contains — active ingredients:

Vitamin A (3a672a)	**100,000 IU**
Vitamin D3 (E-671)	**20,000 IU**
Vitamin E (3a700)	**20 mg**

Vitamin E as dl-α-tocopheryl acetate.

DOSAGE & ADMINISTRATION

Oral administration, in drinking water.

TARGET ANIMALS	DOSAGE
All target species	0.5 ml / litre of drinking water

CONTRAINDICATIONS
Do not administer simultaneously with vitamin D2.

THE POWER OF 3 ESSENTIAL VITAMINS

VITAMIN A
Maintains epithelial tissues, supports vision, reproduction and immune function. Essential for healthy skin, mucosa and bone growth.

VITAMIN D3
Regulates calcium and phosphorus metabolism, promotes strong bones and teeth, and supports normal muscle and nerve function.

VITAMIN E
Powerful antioxidant that protects cells from oxidative stress, supports immunity and improves fertility and hatchability.

INDICATIONS

- Deficiencies of vitamins A, D or E.
- Decrease of the fertility rate.
- Increases resistance against diseases.
- For faster growth, parasitism, hot or excessively damp conditions, treatments, changes in sheltering or feeding.
- As a general stimulant of weary or weakened organisms of all animal species, in critical periods such as reproduction, pregnancy and lactation.

ADVANTAGES

- Supports immunity and natural defenses
- Improves fertility and reproductive performance
- Enhances growth and feed efficiency
- Helps animals cope with stress
- Very palatable and convenient to use
- Does not precipitate — does not obstruct drinking troughs

PACKAGING

1 Litre Bottle

5 Litre Jug

STORAGE

Store in a dark place. Temperature must not exceed 25°C.

SHELF LIFE

24 months from manufacturing date.



1 LITRE · VETERINARY SUPPLEMENT

VITA E-SEL 20% PLUS

POWERFUL ANTIOXIDANT

SUPPORTS IMMUNITY & REPRODUCTIVE HEALTH

Strong Antioxidant Protection
Neutralizes harmful free radicals and protects cells from oxidative damage.

Supports Immune System
Enhances natural defenses and helps animals stay healthier.

Improves Reproductive Performance
Supports fertility, healthy conception and reduces reproductive disorders.

Healthy Muscles & Nerves
Helps maintain normal muscle function and prevents muscular disorders.



A POWERFUL COMBINATION

Vitamin E
Protects cell membranes, supports immunity and reproductive health.

Selenium
Essential for antioxidant enzymes, immunity, thyroid and fertility.

COMPOSITION (per ml)

Vitamin E	200 mg
Selenium (Na selenite)	0.5 mg

DOSAGE & ADMINISTRATION

POULTRY
Prevention: 1 ml / 4 L water, 5–10 days.
Treatment: 1 ml / 2 L water, 5 days.

LIVESTOCK
1–2 ml / 10 kg body weight, 5–10 days, or as directed by the veterinarian.



Shake well before use.

INDICATIONS

Livestock

- Prevention & treatment of Vitamin E and/or Selenium deficiency: muscular dystrophy, encephalomalacia, exudative diathesis.
- Supportive therapy for poor immunity, muscle stiffness, weakness, lameness, infertility, retained placenta & mastitis.

Poultry

- Prevention & treatment of deficiency diseases: muscular dystrophy, encephalomalacia (crazy chick disease), exudative diathesis.
- Supportive therapy for poor immunity, stress, poor egg production & hatchability, and ascites.

WHY VITA E-SEL 20% PLUS?

- Enhances immunity & disease resistance
- Improves growth & productivity
- Better egg quality & hatchability
- Supports fertility & reproductive health
- Helps reduce mastitis & improve milk yield

CONTRAINDICATIONS

Contraindicated in livestock & poultry hypersensitive to Vitamin E and/or Selenium.

SIDE EFFECTS

No side effects observed at recommended doses.

STORAGE

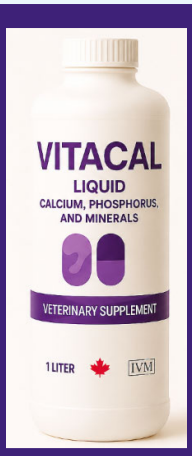
Dry, dark place between 8°C and 25°C, in closed packing.

SHELF LIFE

24 months from the date of manufacture.

PACKAGING

1 Litre bottle.



1 LITRE · VETERINARY SUPPLEMENT



VITACAL Liquid

CALCIUM, PHOSPHORUS AND MINERALS

ESSENTIAL MINERALS. STRONGER ANIMALS. BETTER RESULTS.

Complete Mineral Support
Provides essential macro and trace minerals for optimal growth, production and overall health.

Skeletal & Eggshell Strength
High levels of Calcium and Phosphorus support strong bones, teeth and improved eggshell quality.

Stress & Heat Support
Supports birds during heat stress, dehydration and reduced feed intake.

Better Performance
Enhances feed efficiency, growth rate, egg production and quality.

Easy To Use
Liquid formulation ensures better absorption and easy administration.

COMPOSITION (per litre)

MACRO MINERALS	
Calcium (Max)	5,700 mg
Phosphorus (Max)	10,300 mg
Magnesium (Max)	2,400 mg
Sodium (Max)	600 mg
TRACE MINERALS	
Manganese (Max)	5,500 mg
Zinc (Max)	5,500 mg
Iron (Max)	2,100 mg
Copper (Max)	500 mg

SIDE EFFECTS
None.

WITHDRAWAL
None.

STORAGE
Dry, dark place below 25°C, closed packing.

PACKING
1 litre bottle.

INDICATIONS

VITACAL contains vital micronutrients as minerals and trace elements that play a vital role in metabolic, enzymatic and biochemical reactions, leading to better growth rate, egg production and quality, and enhanced feed efficiency. It supports birds during heat stress, dehydration and reduced feed intake.

Indicated for treatment and prevention of stress, dehydration and micronutrient deficiencies; during fluctuations in environmental temperature, reduced feed intake, vaccination stress and infectious diseases. In layers it improves eggshell quality; in chicks it supports growth and performance.

DOSAGE & ADMINISTRATION

For oral administration via drinking water.

POULTRY

Prevention: 1 litre per 2,000 litres of drinking water.
Treatment: 1 litre per 1,000 litres of drinking water.

LIVESTOCK

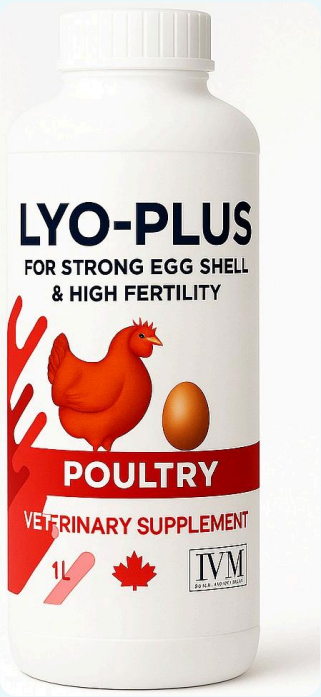
Calves	5 ml per animal for 3–5 days.
Sheep, goats	2 ml per animal daily for 3–4 days.
Cattle, camels	20 ml per animal daily for 3–5 days.
Pigs	1 litre per 2,000 litres of drinking water.

Mixed with drinking water; use the product within 24 hours.

STRONG MINERALS. HEALTHY ANIMALS. HIGHER RETURNS.

- Supports bone and skeletal development
- Improves eggshell quality and hatchability
- Helps reduce stress and dehydration
- Supports metabolic, enzymatic & biochemical reactions
- Enhances growth, production and feed efficiency





LYO-PLUS

FOR STRONG EGG SHELL & HIGH FERTILITY

PHYTO-THERAPEUTIC ACTIVITY

A concentrated fertility-boosting supplement for breeder and laying hens, supporting optimal production during stress and challenging phases.

- **Stronger Egg Shell** — Chelated minerals
- **Fertility & Hatchability** — Organic chelates
- **Reduces Stress Impact** — Cage & ration stress
- **Higher Egg Output** — Full nutrition







COMPOSITION / 1 LITER

ORGANIC TRACE ELEMENTS

3b506 Manganese chelate	32,000 mg
3b607 Zinc chelate	22,000 mg
3b414 Copper chelate	7,000 mg

AMINO ACIDS

3c307 Methionine analogue	90,000 mg
3a890 Choline chloride	70,000 mg

VITAMINS

3a300 Vitamin C	40,000 mg
3a700 Vitamin E	30,000 mg
3a670a Vitamin D	1,000,000 IU

MINERALS

Calcium (proteinate)	72,000 mg
Phosphoric acid	100,000 mg
Demineralized water	q.s. to 1 L

Also contains NaCl and $NaHCO_3$ for homeostasis.

DOSAGE & ADMINISTRATION

1–2 L / 1000 L

of drinking water · Poultry

INDICATIONS

A concentrated fertility booster for breeder and laying hens, with **phyto-therapeutic activity** to raise egg production, fertility and hatchability during difficult phases.

STRESS FACTORS IN LAYERS AND BREEDERS

- **Cage stress** — Birds confined together
- **Pecking order** — Unequal feed selection
- **Imbalance** — Feed and lay unsynced

These reduce egg production, fertility and hatchability. Supplementing trace minerals and amino acids in highly absorbable form is the most useful measure.

HOW PHYTO-THERAPEUTIC ACTIVITY WORKS

Phyto actives + chelates → High absorption → Shell & ovary supply → Output up

- Strong Egg Shell
- High Fertility
- Better Performance
- Handles Stress

INGREDIENTS

Calcium, Phosphorus, Vitamins D, E and C, Methionine, Choline chloride, and organic chelated trace elements.

ANIMAL SPECIES

Poultry

KEY OUTCOMES

- **IMMUNE SUPPORT** — Stronger natural defenses
- **HEALTH & PERFORMANCE** — Lay persistency & shell
- **BETTER F.C.R & PRODUCTIVITY** — More eggs per unit feed

VETERINARY USE ONLY

SHAKE BEFORE USE

WHY CHOOSE LYO-PLUS?

- Egg Shell Quality
- Fertility & Hatchability
- Phyto-therapeutic
- Stress Support
- Balanced Nutrition

Store below 25°C, sealed and dry. Not a medicine.



MannanoGlucan Pro

ADVANCED BIOTECHNOLOGY SOLUTION
NATURAL IMMUNE & GUT HEALTH SUPPORT

A premium yeast cell wall product rich in Mannan-oligosaccharides and β-1,3 / β-1,6 Glucans to support gut health, immune function and improve animal performance.

Supports Natural Defenses
Stimulates immune response and vaccine efficacy.

Gut Health Protection
Helps reduce pathogen colonization and supports gut integrity.

Better Performance
Improves feed efficiency, weight gain and productivity.

Natural & Safe
High purity, heat stable and non-GMO.

No Withdrawal Period
Safe for meat, milk and egg production.

GMP+ Feed Safety Assurance

ISO 9001:2015 Certified Company

Manufactured for **IVM Ltd – Canada**

DERIVED FROM *SACCHAROMYCES CEREVISIAE* YEAST CELL WALL

MannanoGlucan Pro is an advanced biotechnology solution derived from *Saccharomyces cerevisiae* yeast cell wall, rich in highly purified Mannan-oligosaccharides and β-1,3-β-1,6-D-Glucan.



Mannan-oligosaccharides



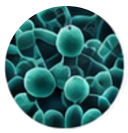
β-1,3 / β-1,6 Glucans

1. **MOS Binds**
Locks onto gram-negative pathogens and prevents attachment to intestinal villi.

2. **Immune Signal**
β-Glucans interact with macrophages and immune cells.

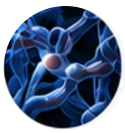
3. **Gut Integrity**
Stronger immune response and a reinforced gut barrier.

4. **Performance**
Healthier animals, better feed efficiency, higher productivity.



Mannan-oligosaccharides (MOS)

Help diminish pathogen colonization in the animal's intestinal tract by absorbing gram-negative pathogens and preventing their attachment to intestinal villi.



β-Glucan (β-1,3 / β-1,6)

Stimulate the immune system by coming into contact with macrophages and triggering a cascade of immune events, turning the immune system into an arsenal of defense.

MannanoGlucan Pro positive effects have been demonstrated in multiple species, including poultry, swine, ruminants, aquaculture, equine and pets. By reducing the translocation of bacterial products, reinforcing the epithelial barrier, and modulating cellular and humoral immunity, it helps animals be more resilient, restores gastrointestinal balance, preserves gut integrity, and can help mitigate the detrimental effects of stress while improving feed efficiency, animal performance and food safety.

FEATURES

- Stimulates the animal's natural defenses and potentiates the response to vaccination.
- Prevents pathogens from attaching to the intestinal villi.
- Increases the count of beneficial microflora.
- Promotes gut function.
- Improves feed conversion ratio and body weight gain.
- High concentration of active ingredients, consistently high quality.
- Unaffected by high temperatures in feed processing.

BENEFITS

- Enhance the immune response and disease resistance of animals.
- Improves animal performance by reducing pathogen pressure.
- Improve feed intake and animal performance.
- Maximize profitability.
- Improves meat, milk and egg quality by reducing antibiotic use.
- Deliver repeatable, sustainable performance with no withdrawal period.
- Suitable for pelleted and mash feed.

GUARANTEED ANALYSIS

MOS	≥20%/kg
β-1,3, β-1,6 glucan	≥20%/kg
Crude protein	≤25%/kg
Moisture	≤9.0%/kg
Ash	≤8.0%/kg

MICROBIOLOGICAL

Plate count	15,000 CFU/g
Yeast & moulds	100 CFU/g
Coliforms	< 100 /g
Salmonella	neg. /25 g
E. coli	< 10 /g

STORAGE & SHELF LIFE

Store cool and dry at 15°C (59°F) to 25°C (77°F), no direct sunlight. Shelf life **24 months** from production in the original sealed package.

TARGETED ANIMALS



Poultry · Swine · Ruminants · Aquaculture · Equine · Pet Food

PHYSICAL CHARACTERISTICS

Light beige colour, fine powder with typical yeast odour.

25 kg 100% Recyclable Bag

RECOMMENDED FEEDING DIRECTIONS

POULTRY

Broilers: 0.5–1 kg / ton feed.
Layers: 0.5 kg / ton feed.
Ducks: 0.5 kg / ton feed.
Rabbits: 0.5 kg / ton feed.

SWINE

Sows: 1–1.5 kg / ton feed.
Piglets: 1–1.5 kg / ton feed.
Fattening pigs: 0.5–1 kg / ton feed.

RUMINANTS

5 g to 10 g per animal per day.

AQUACULTURE

Add 1 kg to 2 kg per ton of feed.

PET FOOD

Add 1 kg to 2 kg per ton of feed.



25 kg
BAG · 10 kg BUCKET

SYNZYMEX

MULTI-ENZYME AND SYNBIOTIC SOLUTION

MAXIMIZING DIGESTION AND NUTRIENT UTILIZATION

Feed Cost Reduction
Optimizes feed cost through better nutrient utilization and flexibility in using alternative feed ingredients.

Improved Performance
Enhances feed intake, feed conversion ratio and overall animal performance.

Gut Health Support
Prebiotics and probiotics promote beneficial microflora and support a healthy digestive system.

Maximum Nutrient Release
Multiple enzymes work synergistically to break down complex nutrients and anti-nutritional factors.

THE COMPLETE SOLUTION FOR MODERN NUTRITION

SYNZYMEX is a multi-enzyme and synbiotic solution that maximizes digestion and nutrient utilization by targeting multiple substrates while boosting animal performance.

It prevents viscosity problems and their consequences. This latest generation of enzyme complex is delivered from the fermentation of multiple bacterial and fungal sources, enabling it to work efficiently at different gastrointestinal pH levels, resulting in improved feed intake and feed conversion ratio.

Moreover, the prebiotics and a selective strain of probiotics in SYNZYMEX enhance beneficial **gut microflora**, playing a vital role in improving natural digestion and animal health.

ENZYME ACTIVITY AT DIFFERENT LEVELS OF GASTROINTESTINAL pH

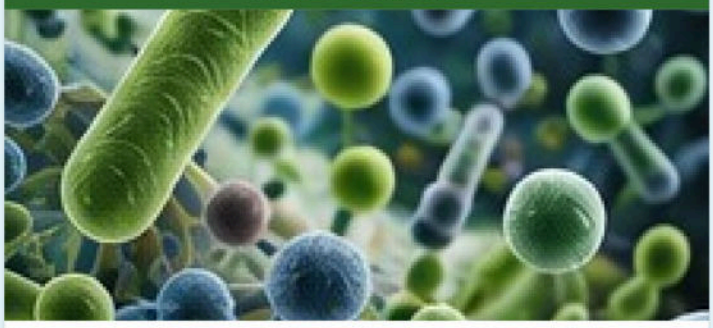


IMPROVEMENT IN NUTRIENT ABSORPTION



Multiple enzymes break down complex nutrients into absorbable forms, improving nutrient availability and animal performance.

INCREASING BENEFICIAL MICROORGANISMS



Prebiotics and a selective strain of probiotics enhance beneficial microflora such as bifidobacteria and lactic acid-producing bacteria for better gut health.

FEATURES

- **SYNZYMEX** is the ultimate generation of multi-enzyme that maximizes digestibility and performance.
- **SYNZYMEX** components work in synergy to achieve optimum performance & reduce feed cost.
- **SYNZYMEX** fiber-degrading enzymes work comprehensively on plant cell wall structure to free all available nutrients and minerals.
- **SYNZYMEX** eliminates the favourable conditions for pathogenic bacteria growth during the viscosity challenge.
- **SYNZYMEX** reduces viscosity, destroys anti-nutritional factors, improves gut health and prevents pathogenic microbes.

COMPOSITION (PER KG)

GUARANTEED ANALYSIS

Crude Protein (min)	**20.0 %/kg**
Crude Fat (min)	**1.4 %/kg**
Crude Fiber (max)	**10.0 %/kg**
Bacillus subtilis (min)	**4.0×10^{11} cfu/kg**

INGREDIENTS

Alpha Amylase, Protease, Lipase, Xylanase, β-glucanase, β-mannanase, Cellulase, Pectinase, Phytase, **Saccharomyces cerevisiae** Yeast culture, Yeast cell wall, **Bacillus subtilis**.

This seal indicates that this product was produced in a facility that is **GMP/HACCP certified**.

FEEDING DIRECTIONS

POULTRY
Add 150 g to 250 g per ton of finished feed.

SWINE
Add 250 g to 350 g per ton of finished feed.

SYNZYMEX can be used with premix, concentrates, mash feed, or pelleted feed.

For optimum results, conditioning and pelleting **temperature should not exceed 85 °C**.

PHYSICAL CHARACTERISTICS

Light tan colour, free flowing powder



PACKAGING

25 kg bag or 10 kg bucket

STORAGE

Cool, dry area at 15°C (59°F) to 25°C (77°F), no direct sunlight

SHELF LIFE

24 months from production date in the original sealed package



POULTRY | SWINE

MADE IN CANADA

FOR VETERINARY USE ONLY

MANUFACTURED FOR
IVM Ltd – Canada

Contact Information

For technical support, distribution inquiries, or to request samples and pricing, reach the IVM Ltd – Canada team directly.

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info@ivm-ca.com

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www.ivm-ca.com

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INTERNATIONAL VETERINARY MARKETING.LTD

SCIENCE • INNOVATION • PERFORMANCE

Helping animals perform better through science-driven nutrition.

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