GREAT & SMALL

JOINT FLEX

VET'S CHOICE

to nourish the joints and aid freedom of movement

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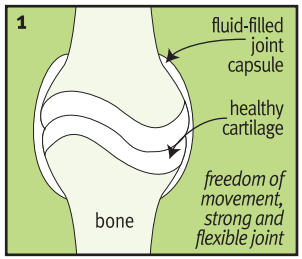
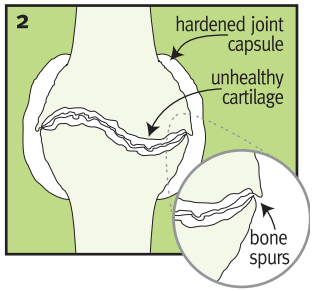
See www.nzfsa.govt.nz/acvm for registration conditions.

HOW DOES ARTHRITIS DEVELOP?





Arthritis develops as a result of joint damage caused by:
- trauma (injury or overuse)
- dietary imbalance
- deformity (developmental or genetic).

In a healthy joint (i), cartilage which forms the end of bones, exists as a strong, lubricated and compressible matrix in a fluid-filled capsule.

The primary function of cartilage is to bear and distribute weight cartilage evenly within the joint, providing a cushioning effect and enabling freedom of movement.

Cartilage is under constant stress and is continually being worn down - even by normal use. Fortunately, given adequate raw materials (nutrients), the cartilage matrix has the ability to repair and replenish itself.

Cartilage breakdown (2) occurs over time if the nutrients required for replenishment remain unavailable. In these situations, the matrix is unable to rebuild fast enough. If this continues, the smooth, low-friction surface erodes, bone ends become exposed, bone spurs form on the edge of the bones and inflammation begins to restrict movement.

Eventually cartilage maintenance and repair wanes and the joint cartilage is eroded away.

JOINT FLEX provides a balanced blend of 18 nutrients to optimise normal physiological function for:
- cartilage health and tissue repair
- promoting freedom of movement
- postoperative healing.

JOINT FLEX has been developed by Animal Health Limited, a New Zealand company founded by healthcare professionals, who are committed to the health and well-being of animals.

See reverse for nutrient details and dosage information.

SUPPORTING ANIMAL HEALTH

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JOINT FLEX formula	*A level 5ml scoop (~3.5gm) contains:*		
Green Lipped Mussel	500mg	Natural Vitamin E	20mg
Shark Cartilage	450mg	Niacinamide (vitamin B3)	5mg
Bovine Tracheal Cartilage	450mg	Zinc Bioplex (from chelate)	2mg
Glucosamine Hydrochloride	400mg	Manganese Bioplex (from chelate)	2mg
Methyl Sulphonyl Methane (MSM)	250mg	Boron (from Borax pentahydrate)	500mcg
Devil's Claw	250mg	Copper Bioplex (from chelate)	500mcg
Kelp	200mg	Selenium (from selenium yeast)	75mcg
Vitamin C	200mg	Yeast	341.4mg
Magnesium Bioplex (from chelate)	25mg		

INGREDIENTS: **Glucosamine** is an essential building block of cartilage and joint fluid. By stimulating cartilage synthesis and increasing joint fluid it helps repair damaged cartilage, thereby improving joint function. **Bovine and shark cartilage** provide a complete range of essential components of cartilage, especially chondroitins (GAGs) and collagen, which bind together to provide strength, cushioning and flexibility. Known as chondroprotectives, they maintain the integrity of cartilage and aid repair and maintenance of healthy cartilage. They also provide **minerals and hydroxyapatite,** essential components of bone that provides structural support for the overlying cartilage. **NZ Green lipped mussel** supplements joint nutrition by providing a unique combination of complex proteins, fatty acids, chondroitins, chelated minerals and a glycogen fraction which maintain joint flexibility and mobility. **Vitamins C & E** are potent anti-oxidants required as cofactors in the synthesis of cartilage. They guard against free radical damage that contributes to cartilage degeneration. **Niacinamide** (vitamin B3) is an essential cofactor for cartilage synthesis. **Boron, manganese, magnesium, zinc, copper** and **selenium** provide additional essential cofactors for cartilage synthesis. They may be soil deficient or unavailable due to modern farming and food manufacturing practices. **Kelp** is another excellent source of chelated minerals. **MSM** is found naturally in milk, fruit and vegetables and provides a bio-available source of sulphur which is essential for joint nutrition. **Devil's claw** is a dried herb that provides nutritional support for healthy joint function.

DIRECTIONS FOR USE: Dogs and Cats

Use the high dose daily for at least two weeks and then reduce to the low dose. May be given every second day for long term use. Mix with food.

Body weight	High dose	Low Dose
<15kg	1 level scoop	½ level scoop
15-30kg	1½ level scoops	¾ level scoop
>30kg	2 level scoops	1 level scoop

JOINT FLEX used at the high dose after surgery optimises healing.

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