## dreames extended life formula for senior pets - clinical studies

Antioxidant Cell Protection – As pets enter their golden years, their bodies become less efficient at combating the effects of toxins created in the environment and in their own bodies due to stress. These toxins, often referred to as free radicals, are responsible for oxidative damage to the cells that, when left unchecked, have the potential to impair healthy organ function and accelerate aging.<sup>1</sup> Antioxidant nutrients are an essential factor in protecting the cells from damage caused by free radicals. Pets require essential antioxidant nutrients to protect their cells from oxidative damage caused by free radicals.<sup>2</sup>

Also included in this unique formula is MSM, a source of the essential mineral sulfur, which plays important antioxidant roles in the body, along with Taurine, which is especially important for antioxidant activities in the brain, eyes, and breast. Taurine is also active in increasing the action of insulin and serves to improve glucose tolerance, acting as an antioxidant<sup>3</sup>. drEames EXTENDED LIFE FORMULA FOR SENIOR PETS is a proprietary combination of nutrients that provides ultimate antioxidant cell protection for your senior pet. Healthy cells equal a healthy pet prepared for a long and happy life.

**Longevity** – Your pets rely on you to make the best choices for their well-being. drEames EXTENDED LIFE FORMULA FOR SENIOR PETS contains the miracle of Taurine and offers much needed ionic minerals along with Glucosamine, Chondroitin and MSM necessary to provide nutritional support for optimal immune functions and superior joint health that normally become susceptible to age-related conditions.<sup>4</sup>

drEames EXTENDED LIFE FORMULA FOR SENIOR PETS delivers its potent ingredients quickly and directly to the cellular level where your pets need it most to allow them the maximum benefits that result in longer life expectancy<sup>5</sup>. Further, the ingredient, Taurine, is believed to be essential in animals and studies show that taurine also plays an important role in preventing a loss of potassium from the heart muscle, contributing to the prevention of dangerous cardiac diseases and aids in the proper functioning of certain other nutrients, including: sodium, calcium, magnesium.<sup>6</sup>

**Hormonal Balance –** With progressing age, a pet's body systems begin to slow down and may become more susceptible to the effects of stress. drEames EXTENDED LIFE FORMULA FOR SENIOR PETS provides essential nutrients needed to maintain healthy hormone levels. One nutrient of major importance is potassium, which plays a critical role in hormone excretion. The more stress that occurs, the more stress hormones are excreted, which uses up more of the body's potassium supply.<sup>7</sup>

By replacing this much-needed potassium, drEames EXTENDED LIFE FORMULA FOR SENIOR PETS supports hormone production in the body and also helps to maintain the potassium-sodium balance of the cells, which is essential for the transport of nutrients into the cells where they are needed.<sup>5</sup>

Another key ingredient of drEames EXTENDED LIFE FORMULA FOR SENIOR PETS is lodine, known to be extremely important for the production of thyroid hormones, which decreases with age and can result in weight problems and metabolic disorders such as hyperthyroidism<sup>8</sup>.

**Mood & Energy Level –** Without adequate energy required for playing and interacting with their human friends, pets have a tendency to become depressed and lethargic, much the same way people do. drEames EXTENDED LIFE FORMULA FOR SENIOR PETS provides antioxidants and trace minerals, including Zinc, to help maintain mood and energy levels that alleviate depression and help your pet remain healthy and active<sup>9</sup>.

Among other benefits, Cyanocobalamin (B-12), another ingredient in drEames EXTENDED LIFE FORMULA FOR SENIOR PETS is also used for memory loss; Alzheimer's disease; boosting mood, energy, concentration and the immune system; and slowing aging <sup>10</sup>.

**Muscle & Nerve Health –** drEames EXTENDED LIFE FORMULA FOR SENIOR PETS has been found to be very helpful in maintaining proper muscle function and nerve health in a wide range of animals. With nutrients like Taurine, Glucosamine, MSM, Chondroitin, Potassium, and lodine, all essential for healthy muscles and nerves<sup>11</sup>, drEames EXTENDED LIFE FORMULA FOR SENIOR PETS helps keep your pet pain-free and agile, so they can play and exercise to diminish stress and live happy for life.

**Arthritis** – Arthritis can become a crippling condition if not treated properly in which an animal's joints become in flamed and are often accompanied by pain, heat, and swelling in the joints

causing stiffness and immobility. Administering drEames EXTENDED LIFE FORMULA FOR SENIOR PETS to your animals provides Potassium to aid in muscle contractions<sup>12</sup>, and Glucosamine, considered as a viable treatment for rheumatoid arthritis as well as to make and repair joint cartilage<sup>13</sup> and Chondroitin, believed to block enzymes that break down cartilage<sup>14</sup>.

**Skin & Coat Condition –** Changes in skin and coat condition can sometimes indicate that your pet is suffering from an underlying health problem. In many cases, these changes in the skin and coat of your pet are the result of a diet that is lacking in essential minerals and amino acids. drEames EXTENDED LIFE FORMULA FOR SENIOR PETS provides MSM, an important source of sulfur<sup>15</sup>, along with Taurine, to provide two essential nutrients required for your pet to maintain both healthy skin and a lustrous coat.

Vision/Eyesight – drEames EXTENDED LIFE FORMULA FOR SENIOR PETS has been found to produce noticeable advances quickly with continued improvements appearing based on continued use. Low levels of taurine have been linked to eye disorders, especially retinal degeneration and age-related cataracts. drEames EXTENDED LIFE FORMULA FOR SENIOR PETS provides Taurine, plus Zinc and Iodine, which are all important for continued eye health, along with antioxidants to protect the eyes and brain from free radical damage and aid in the repair of damaged cells.<sup>16</sup>

**Weight Management –** As pets get older, their metabolic rate begins to rapidly decrease in efficiency<sup>17</sup>. The aging animals body's ability to absorb vitamin Cyanocobalamin B12 is reduced with increasing age<sup>18</sup>. B12 improves energy levels, boosts metabolism and helps to burn fat that may otherwise be difficult for your pet to shed on their own<sup>19</sup>. Liquid supplements such as drEames EXTENDED LIFE FORMULA FOR SENIOR PETS help your pets absorb the Cyanocobalamin directly at the cellular level where it is needed most. Some pets will eat increasingly larger amounts of these foods because their body is trying to acquire much needed nutrients, which leads to unnecessary weight gain.<sup>20</sup>

**IMPORTANT NOTE:** For your Senior Pets maximum benefits, drEames EXTENDED LIFE FORMULA FOR SENIOR PETS should be mixed together with drEames MAXIMUM LIFE FOR PETS to ensure they receive all the nutrients available to them for extension of life expectancy and optimal overall health.

## Studies & Sources for "Maximum Life for Pets"

- 1. "How Dog Aging is Affected by Size and Weight," Vetinfo.com, 2012, WEB, Aug. 8, 2013.
- 2. Jewell DE, Friesen K, Larson L, Sharp T, and Schultz R. Effects of antioxidants on immune system parameters in dogs and cats. J. Anim. Sci. 2003 81S:261
- 3. Nandhini AT. Anuradha CV. Taurine modulates kallikrein activity and glucose metabolism in insulin resistant rats. *Amino Acids*. 2002;22(1):27-38.
- 4. "Medical Information (from PDR) about the components of KALA Health MSM, Glucosamine and Chondroitin Joint Support Combo," Kalahealth.com, n.p., November 8, 2011, Web, August 8, 2013.
- 5. Ellert M., "Nutrient Absorption," Siumed.edu, n.p., 1998, WEB, August 8, 2013.
- 6. Macleavy, Ian, "The Forgotten Longevity Benefits of Taurine," Life Extension Magazine, www.lef.org, June, 2013, WEB, August 8, 2013.
- 7. G. Gopal Krishna, MD; and Shiv C. Kapoor, PhD, "Potassium Depletion Exacerbates Essential Hypertension," Annals of Internal Medicine, American College of Physicians, Vol 115, No. 2, 15 July 1991, WEB, August 8, 2013.
- 8. Spadafori, G., "Hyperthroidiusm: A Common Ailment in Older Cats," Veterinarypartner.com, n.p., 1/20/1997, WEB August 8, 2013
- 9. Wilson, M.D., The Center for Development, "Lawrence, "Zinc, The Gentle Strength and Balancing Mineral," October, 2012, WEB, August 8, 2013.
- 10. Vitamin B12, Medicine Plus, Nlm.nih.gov, Natural Library of Medicine, 10/30/2012, WEB, August 8, 2013.
- Williams, Ph.D., Carey, Supplements, Ask the Expert, Equine Science Center, Rutgers, The State University of New Jersey, Esc.rutgers.edu, n.d., WEB, August 8, 2013
- 12. Karaki H., Erakawa N., Kutshy, P., "Potassium-induced contraction in smooth muscle," PubMed.gov, U.S. National Library of Medicine, National Institutes of Health, Ncbi.nlm.nih.gov, December 20, 1984, WEB, August 8, 2013.
- 13. Cluett, M.D., Jonathan, "Glucosamine and Chondroitin," Nov. 5, 2010, WEB, Aug. 8, 2013.
- 14. Chondroitin Sulfate, Chemicalland21.com, lifescience, n.d., WEB, August 8, 2013.
- 15. "MSM (Organic Sulfur) A Basic Essential Nutrient Needed Now, More Than Ever Before," All Natural, Natural Healing Source Center, All-natural.com, n.d., WEB, August 8, 2013.
- 16. Dr, Joe Collins, "Nutrition & Eyes," DrJoeCollins.com, C2009, WEB, August 8, 2013.

- 17. "The Golden Years: Three Signs that Your Animal is Aging," Petag.com, n.p., C2010, WEB, August 8, 2013.
- 18. Vitamin B-12, NIH Office of Dietary Supplements, Dietary Supplement Fact Sheet, June 24, 2011, WEB, August 9, 2013.
- 19. Franklin, Nina Cherie, "How Vitamin B12 Promotes Weight Loss," Nutrition.answers.com, C2012, WEB, August 9, 2013.
- 20. "Nutrition for the Adult Cat," Virginia-Maryland Regional College of Veterinary Medicine, VetMed.vt.edu, n.d., Wed, August 8, 2013