





STEFES Ingredients GmbH

is your reliable partner for raw materials for

-  Nutraceutical
-  Food/Beverages
-  Pet Food/Nutrition
-  Cosmetics



ovomet[®]

ovoDerm[®]

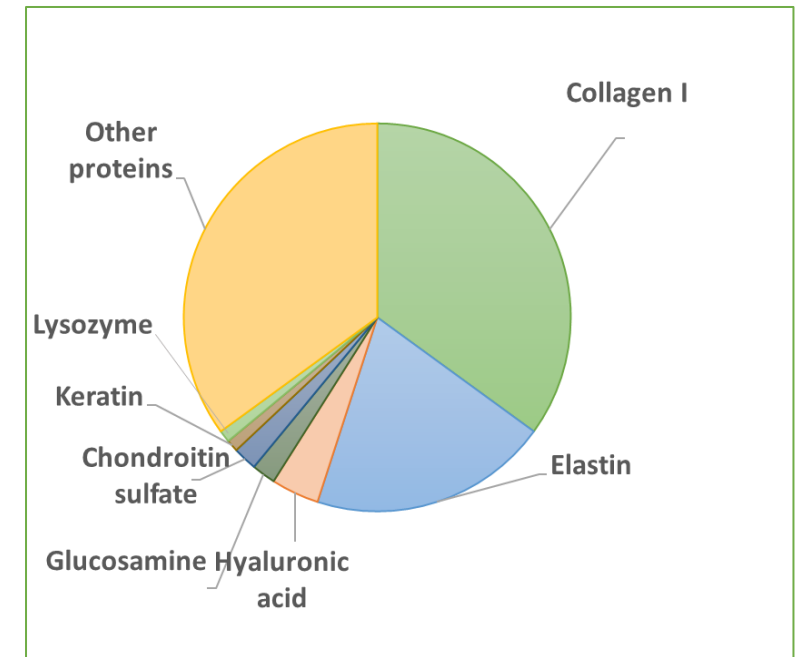
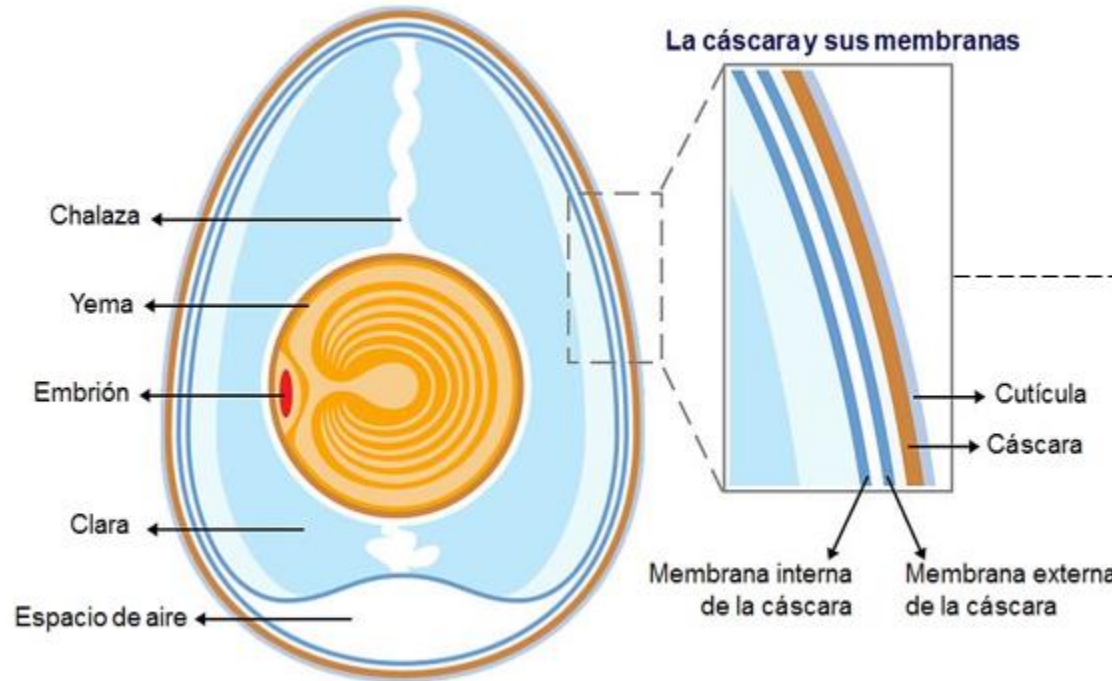
ovoPet[®]

ovocet[®]

A close-up, slightly blurred image of a cracked egg, showing the yolk and the broken shell, with some egg fragments scattered around.

**“Natural, Effective and Scientifically proven
Raw Materials”**

All the information appearing in this presentation is registered in the Intellectual Property
Registered with the numbers: NA- 330/15, NA-252/17, NA-253/17, NA 331/15, NA-254/17





ovomet®

An Eggshell-Membrane Powder for nutraceutical products (human) with the indication of **joint-health**. Ovomet® is a anti-inflammatory, pain-relieving “joint regenerator” as well as pain-reliever for Arthritis. Protects from injuries e. g. while doing sports.

ovoDerm®

An Eggshell-Membrane Powder for nutraceutical products (human) for **beauty inside out products**. Ovoderm® leads to softer skin, healthy hair and firmer nails.

ovoPet®

An Eggshell-Membrane Powder for nutraceutical products (**veterinary**) with the indication of joint-health. Ovopet® is a anti-inflammatory, pain-relieving “joint regenerator”. Pain-reliever for Arthritis and hip dysplasia.

ovocet®

A **highly bioavailable Calcium Carbonate** for the use in nutraceuticals for humans and pets.



Main benefits of OVOMET® for joints:

- ✓ Diminishes pain
- ✓ Reduces inflammation
- ✓ Maintains and regenerates cartilage
- ✓ Improves the elasticity of tendons and ligaments reducing the probability of having injuries
- ✓ Strengthens joints by improving its flexibility and functionality
- ✓ Prevents joint injuries
- ✓ Positive results from the very first days
- ✓ Treats arthritis and osteoarthritis (rheumatic diseases)
- ✓ 100% natural product with no side effects
- ✓ Contains more than 36% of essential amino acids.
- ✓ Very low daily dosage: 300 mg
- ✓ Expiration date of 48 months
- ✓ Gluten free

Composition

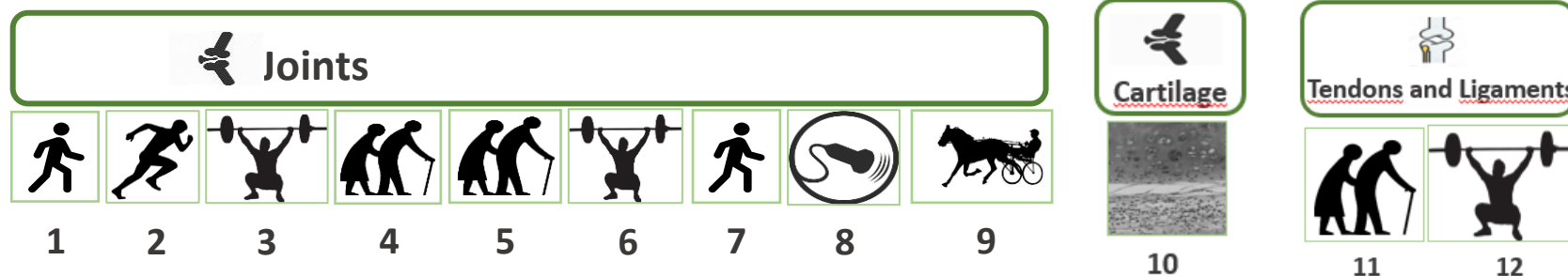
- Collagen types I, V and X
- Elastin
- Hyaluronic acid (HA)
- Glucosamine
- Chondroitin sulphate
- Keratin
- Lysozyme

Over 500 different proteins such as:

- Growth factor β
- Ovocalixin
- Ovocleidin
- Ovotransferrin
- Desmosine
- Isodesmosine
- Sulphur-bearing amino acids



Studies – Joint Health



Recent double blind and placebo controlled studies have demonstrated pain decreases of 28% in 5 days in people practicing moderate physical activity, while no benefits were observed in the placebo group. These decreases in pain after 50 days of treatment have reached a 50% in runners and a 60% in athletes who practice crossfit.

A study performed in an specialized clinic with osteoarthritis diagnosed elderly patients showed that the daily intake of 300mg of Ovomet® during 50 days decreased pain more than 40% and improved joint stiffness a 60%. All the measurements followed standardized and validated methods.

Publications

- Garcia-Tabar *et al.* *International Journal of Sport Nutrition and Exercise Metabolism* 2016 (26) S1-S15.
- Garcia-Tabar *et al.* *Archivos de Medicina del Deporte* 2015; 32 (5): 314-334.
- Blasco JMI *et al.* *International Journal of Clinical Rheumatology* (2016) 11 (5), 077-081.
- Aguirre A *et al.* *Journal of Osteoporosis and Physical Activity* (2017) 5:1.
- Aguirre A *et al.* *Journal of Trauma and Treatment* (2017) 6:2.
- Gil-Quintana *et al.* *Journal of Osteoporosis & Physical Activity* (2018) 6: 211.
- Aguirre *et al.* *Journal of veterinary medicine and animal health* (2018)



Main benefits of OVODERM®:

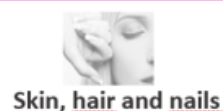
- ✓ Improves skin's health
- ✓ Increases the skin's barrier function
- ✓ Improves skin's elasticity
- ✓ Reduces the skin's fatigue
- ✓ Firming effect
- ✓ Protects against water loss
- ✓ Retains skin's humidity

Composition

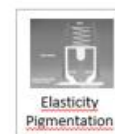
- Collagen types I, V and X
- Elastin
- Hyaluronic acid (HA)
- Glucosamine
- Chondroitin sulphate
- Keratin
- Lysozyme
- Sulphur bearing amino acids: methionine, cysteine
- Over 500 different proteins



Studies



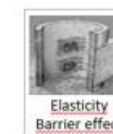
13



14



15



16

A double blind and placebo controlled study was carried out by the dermatology department of a prestigious clinic by using the most advanced technology.

The daily intake of 300 mg Ovoderm® demonstrated: A decrease in trans epidermal water loss of 20%, an increase in face skin elasticity of 25%, an improvement in firmness of 50%, a decline in the skin's fatigue effect higher than 30%

The above stated improvements were even better for women over 50 years old. Face skin appearance was younger and the reduction of wrinkles was clearly demonstrated by pictures taken before and after the treatment. The intake of Ovoderm® was shown as a very effective anti-aging treatment.

Another double blind and placebo study was performed to evaluate the effectiveness of Ovoderm® for the skin's health. After 60 days of Ovoderm® intake, patients with skin categorized as affected-normal reached values of healthy-very healthy while the placebo group continued in the initial skin values of normal-affected. The skin health improvement was accompanied by: The increase of the skin's barrier function of 40%, the improvement in elasticity of 13%, the increase of firmness of 66%, the decline in the skin's fatigue effect of 36%.

These studies allow to conclude that the improvement in the external appearance of the skin of the patients is a consequence of the restitution of the skin health and of changes occurring in the more internal layers of the skin.

A vertical stack of several books with colorful spines in shades of orange, red, and grey.

Publications

- Aguirre *et al.* Beneficial effects of oral supplementation with Ovoderm® on human skin physiology: two pilot studies *Journal of dietary supplements*. (2017) 14 (6): 706-714.
- Gil-Quintana *et al.* Ovoderm® an effective treatment to improve skin condition in patients with altered skin barrier function *Journal of Skin*. (2018) 2 (1): 11-14.
- Gil-Quintana *et al.* Supplementation with Ovoderm® reduces the clinical signs of skin aging. A double-blind, placebo-controlled study. *Clinical Research in dermatology*. (2018).



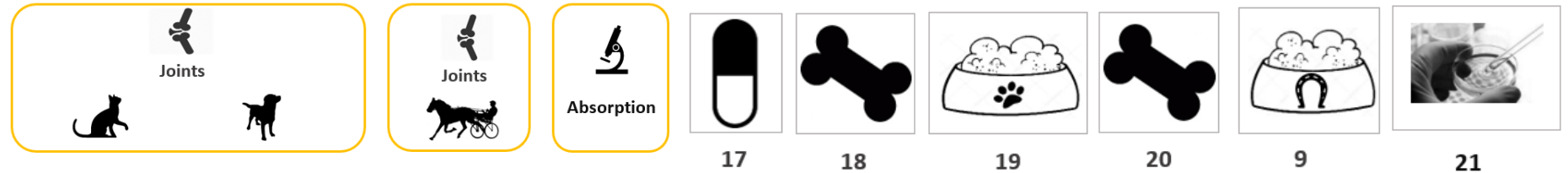
Main benefits of OVOPET® for joints

- ✓ 100% natural product with no side effects
- ✓ Positive effects since the first week
- ✓ Diminishes pain
- ✓ Reduces inflammation
- ✓ Maintains and regenerates cartilage
- ✓ Protects and strengthens your pet’s joints
- ✓ Protects your pet against hip dysplasia
- ✓ Improves your pet’s joint mobility and muscle development
- ✓ Increases the elasticity of tendons and ligaments
- ✓ Improves your pet’s quality of life
- ✓ Recommended also for geriatric animals, large breed puppies, after orthopedic surgery and for competing animals
- ✓ Expiration date of 48 months
- ✓ Very low daily dose, 12-15 mg/kg per day

Composition

- Collagen types I, V and X
- Elastin
- Hyaluronic acid (HA)
- Glucosamine
- Chondroitin sulphate
- Keratin
- Lysozyme
- Sulphur bearing amino acids: methionine, cysteine
- Over 500 different proteins

Studies



Study carried out under vet supervision based on the valid test for chronic pain and treatment in dogs with osteoarthritis (CBPI), in which the dogs were given Ovopet®-based chondroprotective snacks for 60 days. Visible and statistically significant results were achieved, with a 31% reduction in pain and 36% increase in overall activity, noticeably improving the quality of life of these pets.

Study with a double-blind placebo performed in collaboration with vet clinics to assess the effectiveness of Ovopet® snacks on dogs with hip dysplasia. Under vet observation and supervision, among other tests, measurements were taken of the muscular perimeter (cm), the degree of extension-flex, blood tests with inflammatory markers and hip ultrasound scans, in which a reduction of joint space (cm) of around 50% was observed following treatment, with an overall improvement of the pets’ condition at almost 40%.

A study in trotter horses was performed by one of the most prestigious veterinary teams of Europe employing innovative techniques to measure the lameness and pain. The study demonstrated that Ovopet® is a highly effective product for decreasing lameness, showing more than a 20% of lameness decline in 60 days of treatment. The objective and innovative pain measurement showed a decrease of 20% in pain in horses intaking Ovopet® compared to the placebo group. Taking all together, the intake of Ovopet® favours a better sports performance of horses, thanks to its ability to decrease lameness and pain.

Publications

- Ovopet[®] (eggshell membrane), a new ingredient to treat hip dysplasia in dogs (*PetFood Forum Europe 2017*)
- Aguirre *et al.* The efficacy of Ovopet[®] in the treatment of hip dysplasia in dogs *Journal of veterinary medicine and animal health* (2018)



Main benefits of OVOCET®

- ✓ More absorbable, natural and environmentally friendly form of calcium
- ✓ Combines calcium carbonate with transport proteins for a maximum absorption compared with other sources
- ✓ Enriches bones organic matrix helping to improve the fixation of calcium
- ✓ Increases bone density more than other calcium sources
- ✓ Contains trace elements, such as strontium, to strengthen bones

Composition

- Composition
- 98% calcium carbonate
- 2% soluble proteins
- 250 ppm of strontium
- Absent of heavy metals



Digestibility analysis

Establishing the digestibility of calcium from different sources and using the insoluble ash in HCl method via an external laboratory. The result of the study reveals maximum availability (98%) of calcium from Ovocet, thus exceeding the absorption rate of any other calcium source.

ovomet[®] Joint and Tendon Health

ovoDerm[®] Beauty from within

ovoPet[®] Joint Health for Pets

ovocet[®]



Patents

EGGNOVO a European company with patents allowing it to separate the external part of the egg shell (calcium carbonate) from the internal part (membrane). The industrial process, in which no chemical products are used, is completely respectful to the nature of the product.

Eggnovo is the owner of the following patents:

ES 2 181580 B1

Method for separating the internal membrane from the egg shell.

ES 2 327087 B2

Method for separating the internal membrane from the egg shell.

Both patents have been conceded and have correctly paid rates.



The **SYNERGY** of the components increases the efficacy!

Quality, Service as well as a Long-Term Relationship with our Customers, Partners and Suppliers are our Highest Priority