ARTHRAMIDVET®

EXPERTS IN HYDROGELS

Over 20 years of hydrogel development and manufacturing expertise

ArthramidVet® is manufactured by Contura International A/S, the manufacturing arm of the global hydrogel company, Contura International (Contura). For over 20 years, Contura has led the way in research and development of 2.5% injectable polyacrylamide hydrogels (2.5 iPAAG). To date, Contura is the only company capable of manufacturing its patented cross-linked 2.5 iPAAG.

Contura is proud to offer a comprehensive range of products and services to help humans and domestic animals live higher-quality lives. Driven by the guiding principle of "Hydrogels for Life", Contura is committed to advancing the development and widespread adoption of long-lasting hydrogel-based solutions across a wide range of therapeutic indications.

Our Science

Polyacrylamide hydrogel (PAAG) is an inert polymer gel with many varied uses. In 2001, our 2.5 iPAAG was first approved in Europe for use in humans. Decades of clinical use demonstrate an excellent safety profile for the 2.5 iPAAG. It has since been used in humans and animals for a variety of indications.

- **ArthramidVet®** - Canine & Equine Osteoarthritis
- **Arthrosamid®** - Human Osteoarthritis
- **Bulkamid®** - Stress Urinary Incontinence
- **Aquamid®** - facial reconstruction (discontinued 2024)

2.5 iPAAG

ArthramidVet® is an iPAAG comprised of 2.5% cross-linked polyacrylamide and 97.5% sterile water. It is formulated for intra-articular injection and contained in an ergonomically designed syringe for ease of use. The 2.5 iPAAG is non-absorbable, non-degradable, non-pyrogenic and neuro-innocuous. With over 20 years of data collected across numerous species, it has been proven to have excellent biocompatibility with human and animal tissues.[2]

Learn more about Contura

Currently, there is only one production line in the world capable of manufacturing our patented 2.5 iPAAG, located at our production facility in Copenhagen, Denmark. Scan the QR code to watch a brief video on our manufacturing process and our commitment to excellence in manufacturing practices.

Gold-Standard Manufacturing

Global Compliance

Contura's state-of-the-art manufacturing facility in Copenhagen, Denmark has over 20 years of experience producing polyacrylamide injectables. The production line is certified as a Good Manufacturing Practices (GMP) facility, according to EU, US, and other international standards. It is also routinely inspected by the US Food and Drug Administration (FDA)to meet class III medical device requirements for human use devices.

Medical Device Certification

With no active pharmaceutical ingredient and no metabolization following injection, our 2.5 iPAAG is certified as a medical device by US FDA standards.
In some regions of the world where no veterinary medical device classification exists, our 2.5 iPAAG is registered as a veterinary drug, meeting all quality, safety, and efficacy standards required for a veterinary drug by those regulatory bodies.

Manufacturing Process

ArthramidVet® is produced by a patented technology called in In-Line Cross-Linking (ILX), which combines water molecules with cross-linked polymers of polyacrylamide. This provides the gel with molecular stability. It consists of polyacrylamide polymers that are cross-linked in a stable three-dimensional network, which is hydrophilic, giving the gel viscoelastic properties. Large amounts of water remain lightly bound within the structure, constantly interchanging with surrounding tissues, supporting cell and vessel ingrowth and integration.

Hydrogels for Life

We are committed to providing innovative hydrogel technologies that make a meaningful and lasting difference in patients' lives everywhere.

1.Pallua, N., & Wolter, T. P. (2010b). A 5-Year Assessment of Safety and Aesthetic Results after Facial Soft-Tissue Augmentation with Polyacrylamide Hydrogel (Aquamid): A Prospective Multicenter Study of 251 Patients. Plastic & Reconstructive Surgery, 125(6), 1797–1804. https://doi.org/10.1097/prs.0b013e3181d18158

2.Christensen, L. H., Nielsen, J. B., Mouritsen, L., Sørensen, M., & Lose, G. (2008). Tissue Integration of Polyacrylamide Hydrogel: An Experimental Study of Periurethral, Perivesical, and Mammary Gland Tissue in the Pig. Dermatologic Surgery, 34(s1), S68–S77. https://doi.org/10.1111/j.1524-4725.2008.34246.x

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ArthramidVet is intended for use only by a licensed veterinarian.