

Leading Pharmaceutical Innovation



A CDMO for
YOUR
Hyaluronic Acid products
& Medicated Patches



Hyaluronic
Acid
Experts

Leading Pharmaceutical Innovation

Born in 2000 in Morra De Sanctis (Avellino), Altergon represents a Centre of Excellence and Innovation for the production of medicated patches and active pharmaceutical biotech ingredients (Hyaluronic Acid and GAG's).

With a total area of about 57.000 sqm, Altergon production site consists today of 4 manufacturing buildings and 8 production lines, 4 modern R&D laboratories, with pilot plants for the several platforms of Drug Delivery: medicated patches - microneedles - Process Product Design (PPD) fermentation - oral films, a modern Quality Control laboratory and an automated warehouse. A side building for general services (including a conference lecture hall) is available. Moreover, Altergon takes advantage of SAP Management System.

The research and development activities, the manufacturing processes as well as the packaging operations are performed by means of high quality modern technology in strict compliance with the rules and ethical principles and managed by high-qualified, experienced technical staff.

Thanks to the uniqueness of the patented processes, the company is today among the leading European producers of medicated Hydrogel patches (Flector®), Drug in Adhesive matrix patches (Nitroglycerin, Piroxicam, Diclofenac and others) and ultra pure pharmaceutical grade Hyaluronic Acid (SHYALT®).



A
CONTINUALLY
EVOLVING
COMPANY



Pharmaceutical Products

HYDROGEL PATCHES

Patch with a soft hydrogel compound, gently adheres to the skin.

Due to the drug delivery system, it grants a controlled release of the active ingredients – 12/24 hours according to the formulation.

Comfortable, easy to apply and remove, does not stain clothes, does not use volatile organic solvents and it is therefore normally very well tolerated.



MASKS AND SPECIAL PATCHES

Hydrogel Mask patches are formulated to soothe, refresh and hydrate the skin of face, neck and décolleté. The particular molecular structure of the Hydrogel Mask patch allows a significant quantity of water to be contained, which evaporates during the application, refreshing and hydrating the treated area and releasing the functional ingredients in the skin through osmosis.

Special patches are designed to provide more comfortable format and higher adhesiveness for specific applications (i.e. knees, elbows, shoulders). Many flexible and customised formats are available, with hydrogel and drug in adhesive technologies: rounded corners, easy peeling, not standard shapes. Special patches can be developed also with natural functional components.



DRUG IN ADHESIVE MATRIX / TRANSDERMAL PATCHES

The adhesive layer is particularly thin and dry and it adheres to the skin providing a gradual release of the drug. The active ingredient may act locally (topical patch) or in the general body circulation (transdermal systemic action).

The transdermal drug delivery technology may find wide application, as for instance in the field of cardiac therapy as well as in anti-inflammatories, hormones and in the pain therapy.



PRE-FILLED SYRINGES (PFS)

Dedicated line to the production of cross-linked Hyaluronic Acid pre-filled syringes (PFS) terminally sterilized and suitable for medical and orthopaedic applications, patented and innovative for the higher purification.

ORODISPERSIBLE FILMS (ODF)

Orodispersible films (ODF) constitute an innovative oral drug delivery system. This dosage form is placed on patient's tongue or oral mucosal tissue and it rapidly dissolves to release the API for mucosal and sublingual absorption. As the film dissolves, the drug enters the blood stream buccally or sublingually; this leads to reduced drug exposure and to a rapid onset of action, avoiding the hepatic "first-pass".

Orodispersible films have emerged as an advanced alternative to the traditional tablets, capsules, suppositories and liquids in a wide range of pharma (and nutraceuticals) applications; they offer fast, accurate dosing in a safe, efficacious format that is convenient and portable and facilitates the compliance.



STERILE IMPREGNATED GAUZES

An innovative dedicated plant for the production of sterile impregnated dressing specifically designed for wound healing purpose, thanks to the Hyaluronic Acid hygroscopic features that guarantee the right level of hydration in the dermis and contribute to the tissue regeneration process.

Hyaluronic Acid

(Active Pharmaceutical Ingredient)

THE HANa PRODUCTION FACILITIES

An innovative and patented manufacturing biotech process for the production of Sodium Hyaluronate (HANa) has been established.

Italian Patent n° 0001413257
European Patent n° EP2870255B1
USA Patent n° 9347079

Ultrapure Hyaluronic Acid - SHYALT® with customized molecular weights (from 40 KDa to 4000 KDa) is obtained starting from the cell strain *Streptococcus equi zooepidemicus*, through a multi-step process that includes fermentation, filtration, ultra-purification, finishing up to the final packaging. The Strain has been deposited at the Pasteur Institute in Paris.

Certificate of Suitability by EDQM n° R1-CEP 2014-263-Rev 00



A CONTINUALLY EVOLVING COMPANY

2010
HANa
1st line

First plant, validated and approved under ICHQ7 EUGMP part II - engineered under ISPE vol. 6 guideline for Biopharmaceutical Manufacturing Facilities. AIFA authorized, CEP and GMP certified.

A State of the Art multipurpose Pilot Plant equipped for the study and development of new biotech processes.

2015
Pilot Plant

2016
HANa
2nd line

Expansion of the production capacity - dedicated to HANa specific for Medical Device (production under ISO 9001). Fully GMP, with a low content of endotoxins.

Huge expansion of the PHARMA PLANT under GMP and EDQM certified.

2022

API BIOTECH = HANa



SHYALT
ULTRAPURE
SODIUM HYALURONATE ALTERGON

ULTRA PURE ULTRA SAFE ULTRA MODERN

Altergon Italia R&D labs patented a brand new process for the production of SHYALT® ULTRAPURE – Ultra pure Hyaluronic Bulk. The patent recognises the originality of the process for the production of Hyaluronic Acid for pharmaceutical and medical injectable applications and formulations.

SHYALT® ULTRAPURE comes in customizable batches with Molecular Weight between 40 and 4000 KDa and Intrinsic Viscosity 0.2 - 3.6 m³/kg.

Especially suitable for intra-articular - intraocular use or for the modern concept of Cross-link with high and improved resistance to thermal production treatments.

SHYALT® ULTRAPURE is covered by CEP n° R1-CEP 2014-263-Rev 00.



Headquarters & Sales Office - Switzerland

Via Dogana Vecchia, 2
CH 6900 Lugano – SVIZZERA
+41 (0)58 3601500 - www.altergonsa.ch
info@altergonsa.ch - sales@altergonsa.ch

Production Plant – R&D - Italy

Zona Industriale A.S.I.
83040 Morra De Sanctis (AV) – Italy
development@altergon.it - www.altergon.it
customerhana@altergon.it - www.hyaluronate.altergon.it

Altergon Italia S.r.l.

Registered office
Via dell'Industria
83030 Pietradefusi (AV) - Italy

