



TEOXANE Laboratories in Geneva

Located in the heart of Geneva, a few minutes from the International Airport and from the City centre, TEOXANE Laboratories benefit from an exceptional environment and geographical location.

TEOXANE Laboratories are specialized in the design, development and manufacture of hyaluronic acidbased filling and revitalization gels, compounds which give an excellent clinical result and have been shown to be very well tolerated in dermatologic applications.

TEOSYAL® is the leading brand and consists of three products which complement each other and enable practitioners to satisfy the expectations of their patients.

THE BEST OF HYALURONIC ACID

TEOSYAL®

EFFICACY • SAFETY • DURABILITY

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TEOSYAL®



The best of hyaluronic acid.



TEOSYAL® is a complete range of 100% hyaluronic acid based, wrinkle-filling products.

The TEOSYAL® range of products consists of different formulations, which can restore facial volume, redefine and augment lips and repair cutaneous depressions. In its fluid version, TEOSYAL® also revitalizes the dermis deep down to restore skin tone, elasticity and hydration.

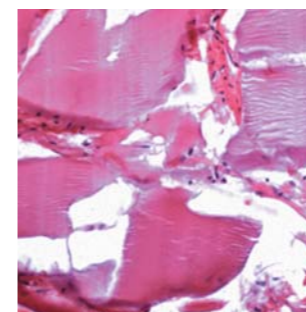
An exclusive formulation combining viscosity and elasticity. The principal characteristic of TEOSYAL® gels is their exceptional viscosity and elasticity, which enables very effective filling, as well as a greater resistance to dermal deformity.

A combination of tolerance

Biocompatibility studies undertaken by an independent laboratory in conformity with ISO 10993-1 norms (tests for toxicity, cytotoxicity, sensitization, intradermal reaction, Ames test, implantation test) have shown the good dermal tolerance of the TEOSYAL® range.

And durability

TEOSYAL® 27G and TEOSYAL® 30G gels are reticulated in order to lengthen life expectancy in the dermis. This stage consists of linking together macromolecules of hyaluronic acid by means of "cross-links", thereby rendering them more resistant to degradation, mainly due to the presence of hydroxyl radicals.

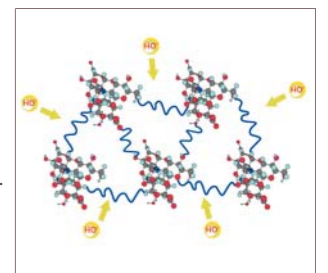


TEOSYAL® 27G after three months implantation in the dermis of the rat.

This diagram shows the absence of an inflammatory reaction on contact, or at a distance from the implanted product. A very thin monocellular layer of fibroblasts with very long extensions has been seen around some product masses. A significant product presence has been observed at each of 12 implant sites.

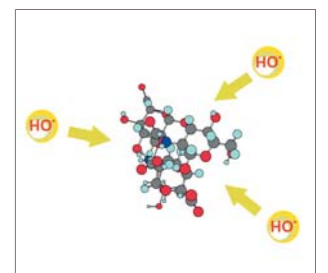
Cross linked hyaluronic acid

Hyaluronic acid molecules form a dense and tangled network. Degradation is caused by hydroxyl.



Non-cross linked hyaluronic acid

The hyaluronic acid molecule is exposed to hydroxyl radicals and degradation is much more rapid.



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TEOSYAL® FEATURES

- 1 Level of protein lower than 5 µg/g: one of the lowest protein contents of all the products on the market.¹
- 2 A level of bacterial endotoxins significantly lower than the requirements of European Pharmacopoeia.²
- 3 Monophasic and homogeneous gel.
- 4 360° rotation and ergonomic plunger: a syringe designed especially for Teosyal®.
- 5 25 mg/g: one of the highest hyaluronic acid concentrations on the market.
- 6 2 syringes of 1 mL.

TEOSYAL® BENEFITS

- 1 Reduced risk of hypersensitive reactions.³
- 2 Limited risks of inflammation, redness and edema. Less hydroxyl radicals, a major factor of hyaluronic acid degradation → **Enhanced duration.**
- 3 Less vulnerability to hydroxyl radicals for delayed degradation.
- 4 Enhanced injection procedure and dosage control.
- 5 Optimal viscoelasticity for effective and durable filling.
- 6 More product for better results.

1 - Data provided by the manufacturer on 24 consecutive batches.
 2 - Specifications of current European Pharmacopoeia (5th Ed.) require hyaluronic acid gels for intradermal injection at the concentration of 25 mg/g (like Teosyal®) a bacterial endotoxin level lower than 12.5 EU/g (E.U. = Endotoxin Unit). Bacterial endotoxins are measured on each Teosyal® batch. Value measured on 30 consecutive batches: <0.2 EU/g.
 Measures have been performed by an independent GLP laboratory certified by AFSAPS, Swissmedic and FDA.
 3 - Fridman P.M., Mafong E.A., Kaurav A.N.B., Geonemus R.G. Safety data of injectable non-animal stabilized hyaluronic acid gel for soft-tissue augmentation Dermatol. Surg., 2002, 28 (6), 491-494.

100% NON-ANIMAL ORIGIN



Forehead lines

Glabellar lines

Crow's feet

Cheekbones and cheeks

Revitalization of the face

Nasolabial folds

Perioral wrinkles

Lip contouring

Oral commissures

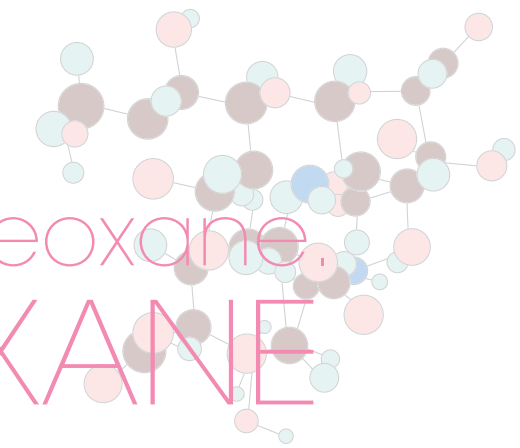
Lip augmentation

Marionettes lines

Oval of the face

Revitalization of the neck and décolleté

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A few facts about Teoxane

TEOXANE

- 2003:** Creation of TEOXANE Laboratories. Construction of the production unit in the heart of Geneva.
- 2004:** Class III CE approval Market of TEOSYAL® products.
- 2005:** Creation of 2 new divisions:
 - TEOXANE France
 - TEOXANE Germany
- 2006:** The TEOSYAL® range is present in over 40 countries worldwide.

TEOSYAL® RANGE – SUMMARY TABLE				
	TEOSYAL® 27G Deep Lines	TEOSYAL® 30G Global Action	TEOSYAL® 30G Touch-Up	TEOSYAL® Meso
PRESENTATION	Box of two 1 mL syringes	Box of two 1 mL syringes	Box of two 0.5 mL syringes	Box of two 1 mL syringes
CONCENTRATION	25 mg/g	25 mg/g	25 mg/g	15 mg/g
TYPE OF NEEDLE	27G	30G	30G	30G
INJECTION SITE	Teosyal® 27G is mainly recommended for filling deep facial wrinkles, increasing lip and cheek volume, and remodeling facial contours.	Teosyal® 30G is mainly recommended to fill linear facial wrinkles, mild to moderate nasolabial folds, and to redefine lip contour.	0.5 mL syringes are particularly recommended for touch-up sessions when completing a treatment.	Teosyal® meso is a non-cross linked hyaluronic acid. It is used to revitalize the skin on the face, neck and neckline.
INJECTION LEVEL	Mid and deep dermis	Mid dermis	Mid dermis	Superficial dermis



Injection techniques

TEOSYAL® 27G and 30G

are injected using the linear threading injection technique: introduce the needle along the length of the cutaneous depression, then slowly introduce the product while withdrawing the needle. Thoroughly massage the injected site to ensure a uniform distribution of the product. Depending upon the extent of the correction site, a further application after six to eight weeks may be useful.

TEOSYAL® Meso

is injected uniformly and superficially over the treatment site using the multipuncture technique. Manually stretch the treatment site and carry out multipunctures of two to three millimetres in diameter, separated by one centimetre, to a depth of approximately two millimetres.

The injection volume depends upon the extent of the correction site. Thoroughly massage the treatment site in order to uniformly distribute the product. Generally speaking, it is necessary to anticipate three to four treatment sessions at intervals of three to four weeks, then one session every three months for maintenance.

Adverse reactions
 - Redness, edema, itching and slight pain at the injection site can occur following treatment and generally subside after 72 hours.
 - Induration and staining at the injection site.
 - Rare cases of necrosis in the glabellar region, hypersensitivity and abscess formation have been described in the literature after the injection of hyaluronic acid.
 The practitioner must therefore inform the patient about these potential risks.
 Contraindications, precautions for use, storage conditions, dosage and method of administration: refer to the instruction leaflet.

A syringe designed for greater precision and comfort.



THE PISTON:
 Particularly rigid and wide in diameter allowing easier injection of the product.

THE PLUNGER:
 Large enough to be comfortable when holding the syringe. Its 360° rotation allows you to angle the needle as necessary.

THE LUER LOCK:
 It is built into the body of the syringe to prevent any risk of product leakage.

An ultramodern Manufacturing Unit satisfying the strictest norms.
 A Research & Development Department and an integrated Manufacturing unit.

Manufacturing Unit

The manufacturing unit was created in conformity with FDA recommendations (Food and Drug Administration). This unit has been made for the manufacture of TEOSYAL® gels and has a sterile room endowed with the most up-to-date equipment.

The manufacturing process is undertaken in accordance with ISO 9001 and ISO 13485 international norms, as well as meeting the requirements of the 93/42 European Directive in relation to medical devices. Sterilization of products is carried out in moist heat using a pharmaceutical autoclave, the sterilization cycles have been specifically developed and validated for the TEOSYAL® range.



Each manufacturing stage is strictly controlled, from the receipt of raw materials to final packaging. Numerous tests are carried out on each batch of the TEOSYAL® range, in conformity with EN 1174-1 and EN 1174-2 European norms (initials biocontamination test), and with the European Pharmacopoeia in force (sterility test, bacterial endotoxins, pH, ...).

Research & Development

From the time of its creation, TEOXANE Laboratories have had a Research and Development Department supported by chemists of the highest calibre. The TEOSYAL® range is entirely conceived and manufactured internally. This results in exceptional synergy and reactivity. Permanent clinical and medical support and regular communication enable the R&D team to improve, conceive and develop products in keeping with the needs of doctors.

