ABOUT HYAMED

“We offer innovative and enhanced safe products for the benefits of patients and physicians”.

Laboratories Hyamed is located in Geneva, Switzerland. It's specialized in designing, manufacturing and distribution of implantable and injectable medical devices in the field of plastic and aesthetic surgery, dermatology and anti-aging.

HYOMAX®

CROSSLINKED HYALURONIC ACID FILLER

Hyomax® crosslinked hyaluronic acid filler. Its patented technology is developed by multi-national (German, Swiss, French, American and Canadian) scientists and engineers specialized in biopolymers and injectable medical devices with over 15 years' experience.

The quality management system of Laboratories Hyamed Geneva is registered against ISO 13485, 93/42 EEC.

The mission of Laboratories Hyamed Geneva is to develop and deliver safe and innovative products to meet the demands of our patients and doctors.

Safety and Efficacy is two simple goals of Laboratories Hyamed Geneva.
Hyamax® Ultra Deep
Cross Linked Hyaluronic Acid

Clear ultra deep lines

Hyamax Ultra Deep has higher viscosity and has longer effects. It's used for very deep lines such as nasolabial folds and oral commissures and nose bridges.

25mg/ml, BDDE crosslinked HA gel, high viscosity
2 x 1.0ml
30G 13mm needle
Hyomax® Deep Line
Cross Linked Hyaluronic Acid

CLEAR DEEP LINES

Hyomax Deep Line is used for superficial to deep lines such as fine lines, forehead wrinkles, crow’s feet, per-orbital lines and glabellar lines.

25mg/ml, BDDE crosslinked HA gel
2 x 1.0ml
3G 13mm needle
Hyamax Kiss is specifically engineered to be as much as possible similar to the softness of the lips.

25mg/ml, BDDE crosslinked HA gel
2 x 1.0ml
30G 13mm needle

Hyamax Pure is a non crosslinked clear HA gel. It’s not used as a filler but for mesotherapy. It can be quickly absorbed by the skin to replenish the natural HA in the skin and hydrate the skin.

14mg/ml, non crosslinked HA
2 x 1.0ml
30G 13mm needle
Hyamaxis® Ultra is a fully absorbable, high viscosity dermal filler for subcutaneous injection and is designed for creating and shaping facial contours. This non animal based, cross-linked HA gel utilizes the unique properties of dextranomer beads for collagen production. Its long lasting results are ideal for creating or restoring lost volume in areas such as the cheeks and the chin. Unlike other subcutaneous fillers currently on the market Hyamaxis® Ultra is easy to inject using only a 27G needle. An increased amount of dextranomer beads (50mg/ml) ensures maximum collagen production at the injection site for enduring results of up to 24 months.

The effects lasts averagely 18 to 24 months.
17mg/ml, BDDE crosslinked HA gel
50mg/ml, DEAE Sephadex A25
2 x 1.0ml
27G 13mm needle

Hyamaxis is a crosslinked HA with dextranomer beads which gives it the ability to generate new tissue. These fully absorbable dextranomer beads create a scaffolding effect for collagen growth. The positive charge of the beads enables them to attract the body’s own collagen and elastin which then bind together, providing natural augmentation which lasts even after the HA has been broken down. Hyamaxis® is safe, effective, and ideal for treating deep wrinkles and folds.

The effects lasts averagely 12 to 18 months.
25mg/ml, BDDE crosslinked HA gel
25mg/ml, DEAE Sephadex A25
27G 13mm needle
**Product Outline**

<table>
<thead>
<tr>
<th>Indication</th>
<th>Hyaluronic Acid</th>
<th>Other Ingredients</th>
<th>Source</th>
<th>Syringe Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bio-Restoration</td>
<td>25mg/mL</td>
<td>-</td>
<td>Non Animal</td>
<td>1.0ml</td>
</tr>
<tr>
<td>Stabilized HA</td>
<td>25mg/mL</td>
<td>-</td>
<td>Non Animal</td>
<td>1.0ml</td>
</tr>
<tr>
<td>Composition</td>
<td>25mg/mL</td>
<td>25mg/mL</td>
<td>Non Animal</td>
<td>1.0ml</td>
</tr>
<tr>
<td>DEAE Sephadex</td>
<td>25mg/mL</td>
<td>25mg/mL</td>
<td>Non Animal</td>
<td>1.0ml</td>
</tr>
<tr>
<td>Degree of Cross Linking</td>
<td>-</td>
<td>-</td>
<td>Non Animal</td>
<td>0.6ml</td>
</tr>
<tr>
<td>Needle Used</td>
<td>30G or 32G</td>
<td>27G</td>
<td>Non Animal</td>
<td>1.0ml</td>
</tr>
<tr>
<td>Injection Depth</td>
<td>Superficial Dermis</td>
<td>Mid Dermis</td>
<td>Non Animal</td>
<td>1.0ml</td>
</tr>
<tr>
<td>Duration</td>
<td>6 months</td>
<td>9-12 months</td>
<td>Non Animal</td>
<td>1.0ml</td>
</tr>
</tbody>
</table>

*Hyamax® Pure is not intended to be used as a dermal filler as it is a Bio-Restoration implant.*

**Safe & Effective**

Hyamax® Pure is a biodegradable, non animal-based, non cross-linked, clear HA gel. It is quickly absorbed into the skin, replenishing HA that has been lost to aging. With its hygroscopic properties, Hyamax® hydrates the skin and restores elasticity for firm, healthy-looking skin. Hyamax® helps to nourish and moisturize the entire surface of the dermis creating healthier looking skin. Treatments typically take 10-15 minutes and are repeated on a monthly basis for four consecutive months.

Hyamax® Deep Line, Ultra Deep and Kiss products are a high viscosity, biodegradable, non animal-based, clear HA gel made using hyamid’s patented crosslinking process. This process creates a thicker, longer lasting gel that improves the ability to treat deep and more pronounced lines and wrinkles such as nasolabial folds and oral commissures.

**Safe & Effective**

The HA used in the Hyamax® family of products is obtained through biosynthesis, making it safe and non pathogenic for humans. With less than 0.025 IU/mg of endotoxins and less than 2 ppm of protein*, it exceeds the highest standard of purity for HA.

The Hyamax® line of dermal fillers is completely free of all animal products, thus reducing the risk of an immunogenic reaction. The HA utilized in the Hyamax® product line is naturally integrated into the tissue keeping the skin looking healthy and natural. Because the Hyamax® product line consists of non-permanent material, it allows clients the opportunity to reassess their needs throughout the course of their treatment as desired.

The safety of the Hyamax® family of fillers is our utmost concern. The following tests have been conducted on Hyamax®:

- 4 week muscle implantation
- Acute systemic injection test
- Biocompatibility test
- Cytotoxicity
- Guinea Pig maximization sensitization
- Identification: pH, osmolality, residual BDDE, sterility
- Intra-cutaneous reactivity
- Mutagenicity
- Protein
- Reverse mutation assay
- Tests for Interactions with Blood Hemolysis test
- Tests for local effect after implantation
- Acute toxicity
- Sub chronic toxicity
- 26 week biocompatibility & toxicity study
- Testing by AppTeC Inc., Pennsylvania, USA.

Patient and Physician Satisfaction

Results based on a 120 patient single center study conducted in Germany. The result of this study suggest that the combination of positively charged dextrin beads and a highly bio-compatible liquid polymer medium like gelatinized hyaluronic acid, with or without dextranomer beads induced significant and safe tissue augmentation, Hyamax® and Hyamax® fulfill the expectations of a safe and efficient tissue augmentation material

**Chemical/Physical Characterization**

A 500 μm microscopy photo reveals the smaller particle size and more uniform dispersion of the particles of Hyamax® vs. other popular HA based fillers. This results in a more homogenous gel that is smoother to inject and easier to mold.

- 500um Hyamax®
- 500ums Juvederm®
- 500um Restylane®
- 500um Captique®

*Juvaderm® is a registered trademark of Allergan Inc.
Restylane® Touch and Perlane are registered trademark of HA North American Sales.
Radiesse® is a registered trademark of Bioform Medical Inc.