

MACDERMOL<sup>®</sup>  
VOLUME

FACIAL VOLUME  
RESTORATION



# MACDERMOL<sup>®</sup> VOLUME

**MACDERMOL VOLUME** is indicated for patients who want to correct a loss of facial volume and enhance their cheeks, cheekbones, chin and temples.

The face can be sculpted and recontoured to create a more natural and youthful look.

**MACDERMOL VOLUME** is a new hyaluronic acid-based implant benefiting from an innovative proprietary technology making it possible to create strong hyaluronan fibers having a high power of water retention and enhanced viscoelastic properties, as well as a better resistance to enzymatic degradation and free radicals.

The gel that is obtained has a strong capacity in volume augmentation and enables **MACDERMOL VOLUME** to provide a long-lasting facial volume restoration (up to 18 months).

**MACDERMOL VOLUME** acts mechanically, by absorbing water and swelling<sup>1</sup>, and biologically, by enhancing the synthesis of new collagen and glycosaminoglycanes<sup>2</sup>. This dual effect makes it possible to create a volume that restores immediately and durably facial volume.

	MACDERMOL VOLUME
COMPOSITION	non-animal hyaluronic acid (HA)
CONCENTRATION	30 mg/ml
VOLUME CAPACITY	● ● ● ● ●
INDICATION	for enhancing facial volume and shaping facial contours
INJECTION SITES	cheeks, cheekbones, chin, temples
INJECTION DEPTH	deep dermis, subcutaneous layer
STERILIZATION	autoclave
NEEDLE DIAMETER	26G
DURATION OF EFFECT <sup>3</sup>	up to 18 months
HOW SUPPLIED	1 mL prefilled syringe or 5 mL vial
STORAGE	between +2°C and +25 °C
SHELF LIFE	2 years

<sup>1</sup>The hyaluronic acid in MACDERMOL can hold more than 3000 times its weight in water.

<sup>2</sup>The body's own natural collagen and hyaluronan production is dramatically enhanced at 4 and 12 weeks after treatment.

<sup>3</sup>Average duration depending on several factors such as patient's skin quality, patient's lifestyle, injection technique of the practitioner and volume injected.

## A SAFE TECHNOLOGY

- Very high purity. The HA used in **MACDERMOL** has the highest purity attainable (less than 0,05 % of proteins and less than 0,0015 IU/mg of endotoxins).
- Non-animal origin. **MACDERMOL** is manufactured from a HA obtained by biofermentation.
- Fully biocompatible. **MACDERMOL** is completely natural, biocompatible, bioresorbable and non-allergenic product.
- Simple, quick and no downtime. The procedure takes only few minutes and daily routine can be resumed immediately after the injection.
- Surgery-free alternative. **MACDERMOL** is a non-surgical procedure and helps to avoid or delay plastic surgery.
- Natural cross-linking system. **MACDERMOL** is cross-linked through a proprietary technology without any toxic agents such as BDDE, formaldehyde, divinyl sulfone etc.
- Very low rate of adverse events. Clinical and practice data indicate that **MACDERMOL** has a lower rate of adverse events in comparison with other competitors.
- Complete control of the manufacturing process. **MACDERMOL** is manufactured under the highest quality standards with top qualified engineers and latest technology.

## AN EFFECTIVE TECHNOLOGY

- Multi-actions. **MACDERMOL** hydrates, provides healing, anti-inflammatory, antioxidant effects, stimulates collagen and proteoglycan synthesis, and plays a significant role in the defensive function of the skin.
- Resistance to degradation. Thanks to a proprietary triple cross-linking technology, **MACDERMOL** provides high power of water retention and enhanced viscoelastic properties, as well as a better resistance to enzymatic degradation and free radicals.
- New collagen production. Copolymerization producing a synergistic effect on glycosaminoglycan and collagen synthesis.
- Very high HA concentration. Thanks to a proprietary process, **MACDERMOL** provides the highest HA concentration on the market.
- Optimal molecular weight. According to external and internal clinical data, the average HA molecular weight in **MACDERMOL** is the most favorable in terms of soft tissue augmentation.
- Perfect elasticity. The gel is easily injected and well attached to the surrounding tissues.
- A complete range designed for each specific indication. The different presentations make it possible to target various patient needs.

# USES

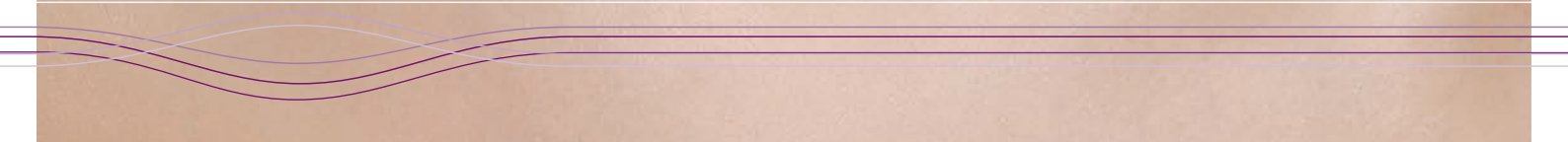
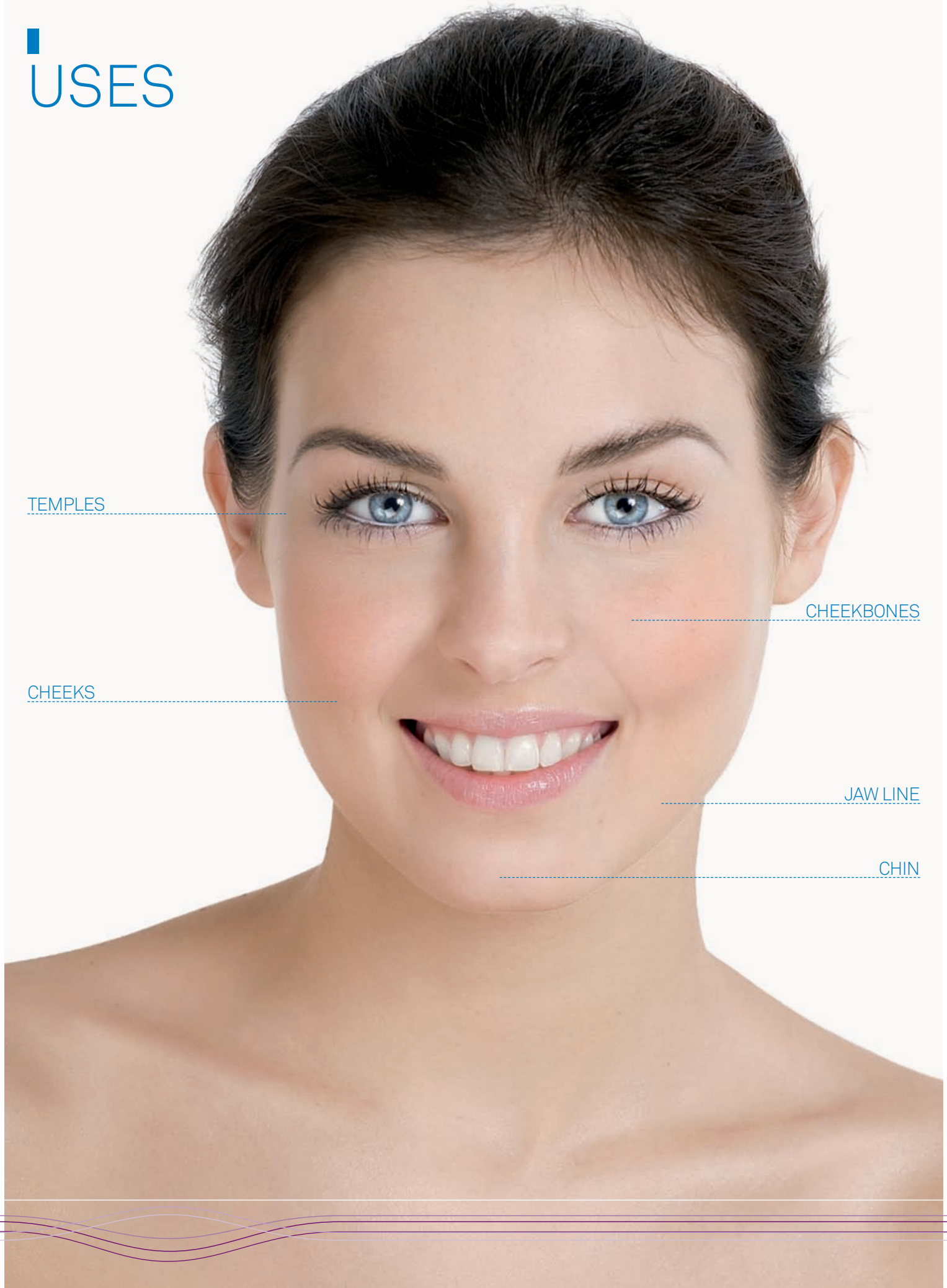
TEMPLES

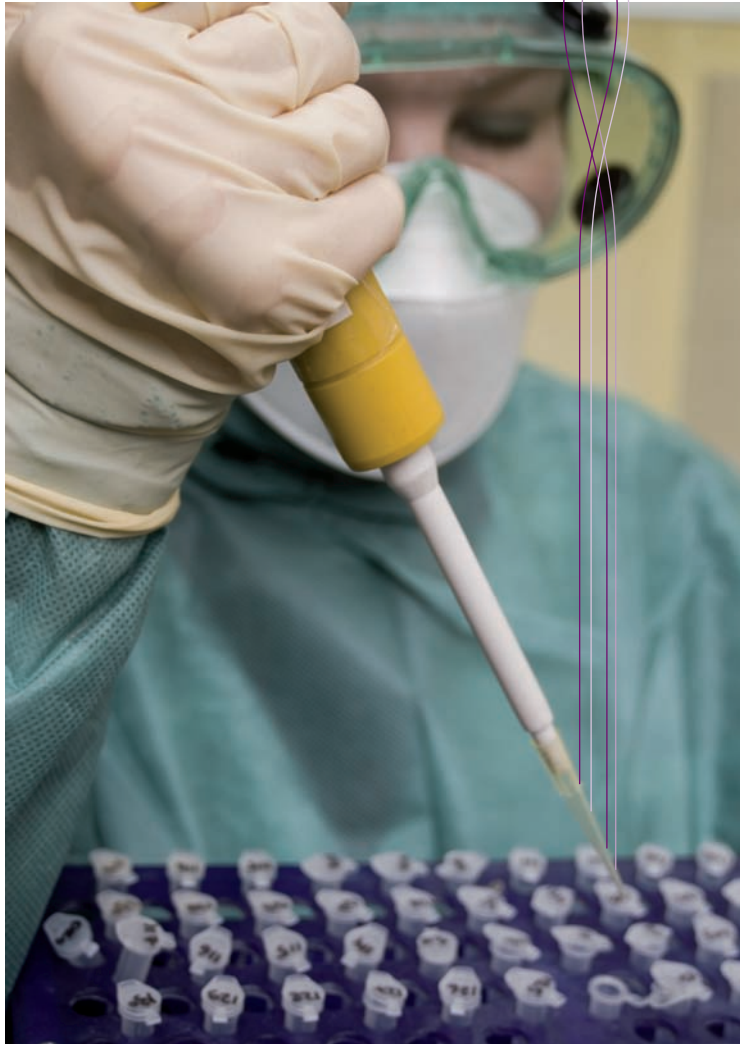
CHEEKBONES

CHEEKS

JAW LINE

CHIN





# MACDERMOL®

Launched in 2001, **MACDERMOL®** is a family of hyaluronic acid-based gels for intra- and subdermal use.

All the products are classified as medical device of class III and bear the CE mark.

**MACDERMOL®** is manufactured by the biotechnology company Novatex Bioengineering under strict quality control and meets the requirements of the European Medical Devices Directive 93/42/EEC.

Novatex Bioengineering, a subsidiary of Laboratoires ORGEV, is ISO 9001:2008 and ISO 13485:2003 certified.

For more information, please visit [www.macdermol.com](http://www.macdermol.com).



manufactured by:  
**NOVATEX BIOENGINEERING SA**  
Avenue des Sports 26  
CH-1400 Yverdon-les-Bains  
Switzerland  
[www.novatex-bioeng.com](http://www.novatex-bioeng.com)