“THE ESSENCE OF BEAUTY IS IN YOU”
Dermiblast-Cells® is an innovative autologous cellular product, used to revitalize the skin and improve the appearance of moderate to severe wrinkles, drastically improving the signs of aging.
WHAT ARE THE FIBROBLASTS?

Fibroblasts are the main collagen producing cells in our body that play a key role in skin health and rejuvenation of your skin.

**Collagen provides:**
Firmness and structure to the skin and is essential in the support of the dermis (or intermediate layer) of the skin. The dermis is a supporting connective tissue and is elastic. This is where you find the fibroblasts.
YOUR SKIN

Fibroblasts and aging of the skin

As time goes by, our fibroblasts get older and their action become slower every day, until it reaches the time when it produces little collagen, presenting less filling, less support and less elasticity on the skin. This leads us to develop many wrinkles and lines of expression.

Only Dermiblast-Cells® cell therapy grows its own fibroblast cells to produce collagen to be injected into your expression lines to produce results that are exclusively you.
Imagine using your own collagen-producing fibroblast cells to improve the appearance of your smile lines.
WHAT IS THE PROCESS

The treatment consists of 3 steps

Step ①
Two small superficial skin samples are taken, about 4 mm each from the back of your ear (retroauricular region). This is done with the use of a local anesthetic and through an outpatient procedure.

Step ②
Each sample of skin is introduced into a conical tube for washing which contains a buffer of saline with antibiotic and then passes to a second conical tube, both samples are for shipment.

Step ③
A letter of consent is required, duly completed and signed by the patient. You have the option that your cells will be frozen for future applications.
**COLLECTION**
A skin biopsy is taken from the patient.

**CULTURE**
The cells (fibroblasts) are expanded in the laboratory.

**LOCAL ADMINISTRATION**
Subsequently, millions of pure fibroblasts are applied to the patient without any risk of rejection.
RESULTS

Your Dermiblast-Cells® therapy is composed of tens of millions of collagen-producing fibroblasts that are grown from your own skin samples.

The result is to obtain at least 98% pure fibroblasts, making each dose of Dermiblast-Cells® as unique as you.
APPLICATION SPECIFICATIONS

Indications:
Is an autologous cellular product indicated to improve the appearance of moderate to severe nasolabial folds in adults.

Sex:
Men and Women

Dose:
Recommended treatment of three sessions, administering up to 4 milliliters (1 vial) per session, at intervals of 2-4 weeks.

Types of skin:
All skin types

Application area:
The superficial and middle dermis, in the nasogenian folds, marionette lines and periocular area. Neck, neckline and hands.

Reactions or side effects:
Redness, swelling, pain, edema or small bruises after treatments

Drug Interactions:
Patients taking aspirin, NSAIDs or anticoagulants may experience bruising or bleeding during the Biopsy and / or injection sites. The concomitant use of aspirin, NSAIDS, or anticoagulants is not recommended.
SPECIFICATIONS OF USE

1.- Is stipulated a period of 4 to 6 weeks for the expansion in culture of the fibroblasts.

2.- Dermiblast-Cells® will contact the doctor who will coordinate the application of the fibroblasts with the patient.

3.- The doses are sent at 2-8 °C inside a transport cooler controlled by temperature.

4.- Protect Dermiblast-Cells® from exposure to sunlight.
   a) Inspect the container and vials to see if they are damaged, should not be used if the container, vial or seal is damaged.
   b) Store the vial at a temperature between 2-8 °C to minimize viscosity.
   c) Remove the vials from the refrigerator 15-30 minutes before using to allow them to reach room temperature.
5.- If the clients wish, they can cryopreserve the fibroblasts for a second or more applications.

6.- For this therapy it is very important that the patient arrives on time and on the scheduled date for the treatment sessions. If you have to miss an appointment, you must inform your doctor no later than three days before your scheduled appointment and reschedule.

**IMPORTANT:** If you forget or do not arrive at a scheduled treatment session, the Dermiblast-Cells® biological product, prepared specifically for the patient, expires and should be discarded, since the half-life of the cells is short.
BENEFITS

1. **Autologous:**
   Uses the patient’s own fibroblast cells.
   - Deliver tens of millions of collagen-producing fibroblasts.
   - The result is to obtain at least 98% of pure fibroblasts.

2. **Natural:**
   Does not contain chemicals, only the cells of the patients after having been multiplied
   - Produces a proven improvement in the appearance of fine lines of the face.
   - Subtle results that do not change the person’s expression.
   - Reactivation of the production of collagen and elastin by delivering elasticity to the treated area.
   - Hydration, luminosity, softness achieving a fresh and youthful appearance.

3. **Biological:**
   All of the above makes Dermiblast-Cells® a biological treatment, since when dealing with the patient’s own cells, not only is volume being delivered where there was none before, what is being provided is a cellular source that had been lost. This is called cell regeneration.
Since Dermiblast-Cells is a natural treatment that acts at the cellular level.

Most patients will see the results between 2 and 3 months after the application, reaching its maximum effect at 6 months, remaining for 18 months or more, and 65% of patients say the results lasted up to 3 years.

Which is many times more than other treatments in the market.
Day of application  6 months of application

(LILIAN, GALDINO., SOARES., PAULO, & EMIKO, 2012)

Day of application  6 months of application

(GIRISH, FACMS, MASLOWSKI, & ROBERT, 2013)


LILIAN, P., GALDINO., D.´., SOARES., M., PAULO, V., & EMIKO, Y. O. (14 de FEBRERO de 2012). Autologous Fibroblast Culture in the Repair of Aging Skin. †Department of Dermatology, School of Medicine, 13.
