

BIOSTEM SCIENCE

REGEN

REGEN SERUM

What is REGEN serum?

REGEN serum is a regenerative serum that contains stem cells, growth factors, and anti-inflammatory cytokines that heal and rejuvenate the skin. These promote collagen production and prevent elastin degradation. It can reduce fine lines and wrinkles, reduce the appearance of scarring, increase hydration, and improve texture and pigment irregularities.

What is in the REGEN serum?

REGEN serum is mainly composed of three key ingredients:

Amnion – The amniotic membrane is the innermost layer of the placenta. This membrane is the most potent source of fresh youthful cells. Amniotic cells have growth factors and peptides that assist with skin repair and healing. It has the perfect pH balance for the skin and has naturally occurring Hyaluronic acid. It has been used in clinical medicine approximately 100 years.

Wharton's jelly - This gelatinous substance contains stem cells and is found within the umbilical cord. It contains stem cells, mucopolysaccharides, fibroblasts, growth factors, and macrophages. It has anti-inflammatory, anti-scarring and wound healing properties that create a regenerative environment for healing and repair.

Chorionic villi - These are tiny finger shaped growths found in the placenta. They are very vascular nutrient pathways that funnel resources into the womb. The core of each Chorionic Villi is an MSC dense environment. Surrounding this core is a thick fibrous shell that is difficult to penetrate. We have developed a proprietary digestive enzyme free process for harvesting MSC's from within this core in volumes never before achieved.

120+ growth factor profile and 400+ anti inflammatory cytokines to stimulate and repair/heal the skin from the bottom up while resurfacing the top. This makes the serum superior to PRP.

How are these ingredients acquired?

The consenting mother is fully tested prior to donation. After birth, the umbilical cord is drained of the blood to be given back to the baby. It is then cut and taken along with the placenta. It would otherwise be discarded after birth. Bio-ethical and non-controversial. Above and beyond American Association of Tissue Banking and FDA standards.

REGEN serum is cryo-preserved. This preserves the cells in their current state until thawed. Nutrients are added to the REGEN serum so when the cells are thawed they are able to feed. No "shock thaw" (immediate cell death when thawed)

Is this safe?

Only birth tissue from consenting mothers who have passed a comprehensive medical background check, blood screenings, and are full-term live, C section births are accepted. In addition, tissue procurement organizations within the United States who use ACOG collection techniques that prioritize the health and safety of mother and baby over procurement are used,

REGEN serum undergoes 3rd party testing to ensure there are no endotoxins and also tests for sterility. Only tissue is used (no blood). There is no DNA; it is acceptable to every person's body.

Lab Testing Guidelines:

USP 71 Sterility Guidelines (All fungus, Mold, Yeast, bacteria) in accordance with AATB and FDA

Endotoxin Guidelines in accordance with the AATB and FDA

Viruses and blood/tissue borne pathogens in accordance with the AATB and FDA

Why would I use REGEN serum instead of PRP?

All PRP is not created equal. The quality and amount extracted is different for each person. The presence, type and amount of white blood cells (called leukocytes) can also vary. Not having the correct type and amount of white blood cells can cause a negative reaction, due to the aggressive nature of some of these “first responder” cells when an injury is present.

When using amnion, not only can we control what is being applied to the skin, it also operates differently. Since amnion is the placental membrane it is the most potent source of the healthy cells we want to use. For example, it has over 30 types of collagen. By age 50 you only have 8 types of collagen. We are able to take those same growth factors and apply them topically to the skin. When using PRP you are only able to utilize those 8 types remaining. Amnion also has the perfect pH for the skin, while PRP does not.

Another advantage REGEN Serum has over PRP is the healing time. The amount of growth factors significantly reduce the recovery time vs PRP applications.

With combining the amnion with wharton's jelly and the chorionic villi, we are able to treat and repair each layer of the skin all the way up to the top, resulting in a far superior treatment than PRP.

Before & After

