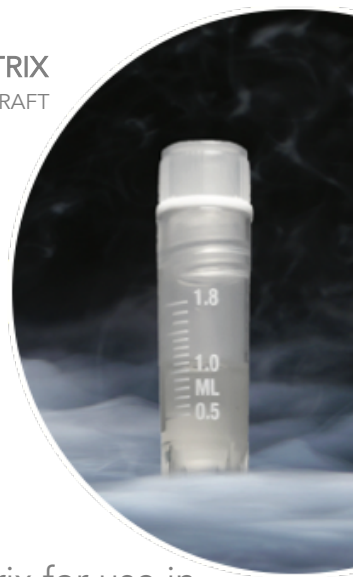




AMNIOTIC TISSUE MATRIX
FROZEN FLOWABLE ALLOGRAFT



PATRIOT-RS is a connective tissue allograft flowable matrix.

It's derived from chorion-free human placental tissue and amniotic fluid, cryopreserved to maintain the viability of the intercellular messengers. **PATRIOT-RS** retains the biologic functionality that ensures symmetrical structure development, growth, and repair of the soft tissue by acting as a biologic matrix for use in filling defects, or for points of localized inflammation.

The placental Extracellular Matrix (ECM) modulates correct cellular reconstruction rather than scar tissue formation. This ECM includes growth factors, fibronectin, laminin, hyaluronic acid, proteoglycans, and other proteins. Anti-inflammatory and anti-fibrotic proteins in placental ECMs reduce inflammation, fibrous tissue growth, and potential scar tissue formation as they downregulate TGF- β , suppress pro-inflammatory cytokines, and inhibit MMPs and fibroblast formation.

PATRIOT-RS IS NON-IMMUNOGENIC

Placental tissues possess little risk of foreign body reaction in the patient, which can lead to fibrosis and graft failure. They perform a similar role during pregnancy, preventing a response between baby and mother. Placental tissue contains components that help to create a healthy environment by potentially reducing bacteria counts in the wound. Its antibacterial effects have been demonstrated against a wide range of bacteria.

FOUNDATION FOR
REGENERATION



Placental ECMs contain Collagens I, III, IV, V, VI, VII, and fibrous proteins that provide a structural scaffold to support migration. Fibronectin, integrins, laminin, and hyaluronan also play a key role in proliferation, differentiation and adherence to the scaffold.

TISSUE DONORS

Healthy women 18-35 years old, undergo an extensive clinical risk assessment of their medical and social histories as well as blood and tissue testing to determine eligibility to donate. The placental tissue can be accepted for donation after a healthy baby is delivered via elective Caesarian section.

RELEASE APPROVAL

Once donor tissue is collected it is processed utilizing a proprietary process within the regulations of FDA 21CFR part 1271/PHS 361. Release criteria includes extensive bioburden testing to ensure safety as well as quality protocols and review:

VEGF: 36.6 ± 3.2 pg per 1-mil

bFGF: 802 ± 34 pg per 1-mil

PDGF-BB: 38.7 ± 2.8 pg per 1-mil

IL-1ra: $13,015 \pm 58$ pg 1-mil

PATRIOT★RSF should be considered as an addiction-free solution to pain, rather than opioid based pain management. **PATRIOT★RSF** is also non-steroidal and doesn't carry the side effects associated with steroid based treatments. **PATRIOT★RSF** can be used without limitation as well, unlike cortisone type treatments that actually cause deterioration of the joints

USES FOR **PATRIOT★RSF**

- Orthopedic pathologies
- Topical wound healing
- Scar management
- Organ system pathologies
- Pain and anti-inflammatory control
- Diabetic Foot Ulcer

PATRIOT★RSF is a pure product, carefully prepared for maximum effect and safety. No adverse events have been reported during its years of research, development and use. Placental allografts have an exemplary safety record, choosing **PATRIOT★RSF** a reliable option.



AMNIOTIC TISSUE MATRIX
AMBIENT FLOWABLE ALLOGRAFT

PATRIOT*RS are multipurpose all-natural liquid matrix allografts derived from amniotic fluid. The natural properties of amniotic tissue harness growth factors, cytokines, and other biologic components essential for supporting healing.



Intended for Homologous Use Only Inherent Benefits of **PATRIOT*RS**

- Contains important growth factors and proteins including PGE2, WNT4, GDF 11, PDGF, VEGF, EGF, FGF and TGF-B
- Composed of collagens and structural proteins that may support angiogenesis, tissue growth, and collagen production during tissue regeneration and repair
- Immune privileged with anti-inflammatory and anti-bacterial properties
- A rich source of growth factors, cytokines, hyaluronic acid, and collagen scaffolds
- Contains extracellular matrix components for cellular attachment and proliferation

- Amniotic fluid contains collagen substrates, growth factors, amino acids, polyamines, lipids, carbohydrates, cytokines, extracellular matrix molecules such as hyaluronic acid and fibronectin, as well as other chemical compounds that support tissue protection
- The proprietary processing methodologies have been shown to successfully preserve inherent levels of key growth factors and biological components⁴
- As an all-natural liquid matrix, it can be applied directly to the site of augmentation, injury, or pain

TISSUE DONORS

Healthy women 18-35 years old, undergo an extensive clinical risk assessment of their medical and social histories as well as blood and tissue testing to determine eligibility to donate. The placental tissue can be accepted for donation after a healthy baby is delivered via elective Caesarian section.

RELEASE APPROVAL

Once donor tissue is collected it is processed utilizing a proprietary process within the regulations of FDA 21CFR part 1271/PHS 361. Release criteria includes extensive bioburden testing to ensure safety as well as quality protocols and review:

PATRIOT★RSAF should be considered as an addiction-free solution to pain, rather than opioid based pain management. **PATRIOT★RSF** is also non-steroidal and doesn't carry the side effects associated with steroid based treatments. **PATRIOT★RSF** can be used without limitation as well, unlike cortisone type treatments that actually cause deterioration of the joints

- Provided in a sterile vial, sealed in a clear peel-pouch.
- Product is shipped and stored at room temperature (50-86°F/10-30°C), ready to use off the shelf without any thawing or preparation required. Product has a one-year shelf life

PATRIOT★RSAF is a pure product, carefully prepared for maximum effect and safety. No adverse events have been reported during its years of research, development and use. Placental allografts have an exemplary safety record, choosing **PATRIOT★RSAF** a reliable option.

PATRIOT★RSAF Ambient Flowable Allograft

Item Code	Description	Size
PRSAF-2035	PATRIOT-RSAF Ambient Temperature Amniotic Fluid	0.35mL
PRSAF-2050	PATRIOT-RSAF Ambient Temperature Amniotic Fluid	0.50mL
PRSAF-2100	PATRIOT-RSAF Ambient Temperature Amniotic Fluid	1.0 mL
PRSAF-2200	PATRIOT-RSAF Ambient Temperature Amniotic Fluid	2.0 mL