Comprehensive Placental Tissue Matrix & Amniotic Solutions
Advantages of Amniotic & Placental Tissue

MODULATE CORRECT TISSUE RECONSTRUCTION
The placental Extracellular Matrix (ECM) modulates correct tissue reconstruction rather than scar tissue formation. This ECM includes growth factors, fibronectin, laminin, hyaluronic acid, proteoglycans, and other proteins.1

REGULATES INFLAMMATION & FIBROSIS
Anti-inflammatory and anti-fibrotic proteins in placental ECMs reduce inflammation, fibrous tissue growth, and potential scar tissue formation as they downregulate TGF-B, suppress pro-inflammatory cytokines, and inhibit MMPs and fibroblast formation.2,3

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.4,5

ANTI-MICROBIAL
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.6

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.4,5

1Data on file at Human Regenerative Technologies, LLC.

*Statements are based on studies of amnion and/or placental tissues generally and are not specific to VIAFLOW™ or ACTISHIELD™.
**ACTISHIELD™ & ACTISHIELD™ CF**

**Amniotic Barrier Membranes**

**PRODUCT DESCRIPTION**
ACTISHIELD™ and ACTISHIELD™ CF Amniotic Barrier Membranes are biologic allografts derived from dehydrated human amniotic tissue. ACTISHIELD™ and ACTISHIELD™ CF membranes are sterilized post packaging.

- Two thicknesses available
  - Amnion only (ACTISHIELD™ CF)
  - Chorion based membrane (ACTISHIELD™)
- Ideal handling, both dry and wet*
- Adheres well without sutures*
- Easy to apply topically and internally*
- Creates no additional bulk at the site*
- 5 year shelf life at ambient temperature

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**VIAFLOW™ & VIAFLOW™ C**

**Flowable Placental Tissue Matrices**

**PRODUCT DESCRIPTION**
VIAFLOW™ & VIAFLOW™ C Flowable Placental Tissue Matrices are unique, pre-mixed, tissue matrix allografts, processed from human placental tissues. This tissue matrix contains collagens, growth factors, and other key biologic components.*

- Two configurations available
  - Ambient temperature (VIAFLOW™)
  - Cryopreserved (VIAFLOW™ C)
- 5 year shelf life at ambient temperature (VIAFLOW™)
- 5 year shelf life at -40°C (VIAFLOW™ C)
- Flowable through a 23G needle
- Injectable to target defects quickly and precisely
- Easily mixable with autologous fluids*

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*Data on file at Human Regenerative Technologies, LLC.
### ACTISHIELD™
Amniotic Barrier Membrane

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<th>Part#</th>
<th>Description</th>
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<td>ACTISHIELD™ Amniotic Barrier Membrane 2x4cm</td>
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<td>AM20-4X08</td>
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### ACTISHIELD™ CF
Amniotic Barrier Membrane

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### VIAFLOW™
Flowable Placental Tissue Matrix

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### VIAFLOW™ C
Cryopreserved Flowable Placental Tissue Matrix

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