A Next Generation Human Amniotic Liquid Allograft

AMNIOMATRIX® is a cryopreserved liquid allograft derived from the components of the amniotic membrane and amniotic fluid that provides structural tissue to advance soft tissue repair, replacement and reconstruction.
Amniotic tissue is an abundant source of collagen and other extracellular matrix proteins that provide a natural scaffold for cellular attachment and tissue growth in the body. Collagen provides a structural tissue matrix that facilitates, among other things, cell migration and proliferation in vivo.1,2

AMNIOMATRIX® is derived from the components of the amniotic membrane and amniotic fluid recovered from living donors after a full term pregnancy. It was developed using a proprietary technique that morselizes the amnion in an effort to preserve its structural properties in a liquid form. This morselized tissue matrix includes residual proteins, carbohydrates, hyaluronic acid, growth factors, and other chemical compounds naturally present in amniotic fluid and tissue to provide a liquid tissue matrix that is derived from those components essential for fetal growth and development.

Clinicians have used amniotic tissue for over a century as a biologic dressing in a broad range of therapeutic applications.3 It has been generally recognized as a versatile wound covering with published clinical results cited extensively in literature.4

Product Description:
- Cryopreserved liquid allograft derived from the components of the amniotic membrane and amniotic fluid
- Tissue recovered from live, healthy donors during childbirth
- Amnion membrane is morselized maintaining its structural proteins

Product Benefits:
- Easy to apply at wound site
- Immune-privileged: rarely evokes an immune response in the human body
- Presence of residual cells may provide ancillary clinical benefits to the patient
- Natural proteins & growth factors present in amnion provide an extracellular matrix to act as a natural scaffold for cellular attachment and tissue growth

Clinical Applications to Repair, Replace, and Reconstruct
- Chronic and acute wounds
  - Diabetic ulcers
  - Venous & arterial ulcers
  - Pressure ulcers
- Traumatic injuries
- Burns
- Surgical wounds

For Homologous Use Only

Ease of Use. As a liquid allograft, AMNIOMATRIX® can be injected or applied directly to the wound site. It is cryopreserved to facilitate an extended shelf life and is easy to handle in the OR.

Unique Attributes of Amnion
The natural human amniotic membrane is an attractive option for treating complex and chronic wounds because of its non-immunogenic5, anti-inflammatory6 and anti-bacterial7 properties. The tissue also provides a matrix for cellular migration and proliferation and a number of essential growth factors and cytokines.8

During pregnancy the amniotic membrane, fluid and cells act as a biologic system whose primary function is to (i) protect the fetus; and (ii) aid in fetal growth and development.

In addition to its structural properties, the placental membrane and amniotic fluid have been found to contain a rich source of proteins, cytokines, growth factors and other chemical compounds, all of which are essential for fetal growth and development. Amniotic fluid also contains cells that are capable of differentiating into all three germ layers of the human body.9 Specifically, amniotic fluid derived stem cells have been shown to be broadly multipotent, capable of differentiating into adipogenic, osteogenic, myogenic, endothelial, neurogenic and hepatic cells lineages.10

Donor Suitability & Safety Testing
From donor qualification to pre-release lot testing, our processor is committed to patient safety. Please read our package insert for all the details.

References:

ORDER CODE #  PRODUCT NAME/DESCRIPTION
25510  AMNIOMATRIX® Cryopreserved Liquid – 0.25 ml
25520  AMNIOMATRIX® Cryopreserved Liquid – 0.50 ml
25530  AMNIOMATRIX® Cryopreserved Liquid – 1.0 ml
25540  AMNIOMATRIX® Cryopreserved Liquid – 2.0 ml
25550  AMNIOMATRIX® Cryopreserved Liquid – 3.0 ml