FRESH THINKING supports healing.

www.organogenesis.com
Go from *What If* to *What’s Next* with Affinity®

Support more natural wound healing with Affinity, the first fresh, living cellular amnion product in the market brought to you by Organogenesis.

The Closest Choice to Native Amniotic Membrane

Like native amniotic membrane, Affinity contains:

- **Viable cells**, including epithelial cells, fibroblasts, and mesenchymal stem cells (MSCs)\(^1\,^2\,^3\)
- **Growth factors/cytokines**\(^2\,^3\) – In vitro studies have shown these factors are released and are bioactive
- **Native extracellular matrix (ECM)** structure with multiple ECM proteins important for scaffolding, including collagen types I, III, V, VI, and hyaluronic acid\(^1\,^3\,^4\)

- **The spongy/intermediate layer**, an abundant source of proteoglycans, glycoproteins, and hyaluronic acid, which provide structural support as well as modulate cell-to-cell and cell-to-matrix interactions\(^1\,^2\,^5\)

Preserve Important Mesenchymal Stem Cells (MSCs)

Affinity undergoes a proprietary process called AlloFresh.\(^7\) This process preserves MSCs in Affinity, as shown in an *in vitro* study.\(^1\)

Research has suggested MSCs play an important role in the wound healing process by:\(^6\,^10\)

- Regulating immune response and inflammation
- Secreting growth factors/cytokines and matrix proteins
- Promoting an organized extracellular matrix

*In Vitro* Studies Have Shown That Affinity Growth Factors/Cytokines Release Similarly to Unprocessed Amniotic Membrane

<table>
<thead>
<tr>
<th>Time (Days)</th>
<th>0</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
</tr>
</thead>
<tbody>
<tr>
<td>Growth Factors/Cytokines Released (pg/cm(^2))</td>
<td>0</td>
<td>100,000</td>
<td>200,000</td>
<td>300,000</td>
<td>400,000</td>
<td>500,000</td>
<td>600,000</td>
<td>700,000</td>
</tr>
</tbody>
</table>

**Total Growth Factor and Cytokine Release**\(^1\,^2\)

- **Affinity** (after ~30 days of storage in AlloFresh solution)
- **Unprocessed Amniotic Membrane**

In vitro, 70% of Affinity Growth Factors/Cytokines Are Released Within 7 Days\(^5\)
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REFERENCES


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