

Growth Factors in SurForce® vs. Cord Tissue

Determining the presence and quantity of certain growth factors in amniotic membrane versus cord tissue

(Data reported from a third party lab and summarized by Surgenex®)

Growth Factors	SurForce® pg/mL	Cord Tissue pg/mL	Role
EGF - Epidermal Growth Factor	94.2	0.0	Helps cellular proliferation, differentiation and survival. Central to wound healing
EGF R - Epidermal Growth Factor Receptor	22.2	3.3	
EG-VEGF - Endocrine Gland-derived Vascular Endothelial Growth Factor	17.4	0.0	Promotes proliferation and differentiation
HGF - Hepatocyte Growth Factor	145.2	5.9	Regulates cell growth, motility, and morphogenesis
PDGF-AA - Platelet-derived Growth Factor AA	10.5	0.1	Stimulates tissue healing
*MCSF R - Macrophage Colony-stimulating Factor Receptor	16.1	*121.0	Stimulates monocytes and macrophages
TGFα - Transforming Growth Factor Alpha	65.0	7.7	Required for wound healing
GDF-15 - Growth and Differentiation Factor 15	47.4	37.2	Regulates inflammation, cell repair, and cell growth
IGFBP-1 - Insulin-like Growth Factor-binding Protein 1	3,650.9	1468.6	Modulates the activity of IGF growth factors through promotion or inhibition
IGFBP-2 - Insulin-like Growth Factor-binding Protein 2	62.1	26.8	
IGFBP-3 - Insulin-like Growth Factor-binding Protein 3	3,125.8	1,807.0	
*IGFBP-6 - Insulin-like Growth Factor-binding Protein 6	143.3	*2,329.0	Differentiates MSCs into muscle cells

(*) Denotes growth factor may not be beneficial

Growth Factors Comparison

Samples were tested by ELISA at a uniform concentration of 240 micrograms of protein per milliliter

■ SurForce®
■ Cord Tissue

All growth factors reported in
pg/mL (picogram/milliliter)

