



Platinum Biologics

NANO XSOMES

Introducing Nano Xsomes – the revolutionary cord blood (plasma)-derived exosome that is transforming the field of regenerative medicine. With a proven track record of safety, potency, and purity, Nano Xsomes are the only exosomes backed by published peer-reviewed studies on process and efficacy.

Our innovative product is formulated from human progenitor endothelial stem cells (hPESCs) and is characterized for biologically active factors using ELISA, nanoparticle tracking analysis, and single particle interferometric reflectance imaging sensing. The result is a highly potent extract that has been shown to promote fibroblast proliferation and induce stem cell migration, making it the ideal solution for a wide range of regenerative applications.

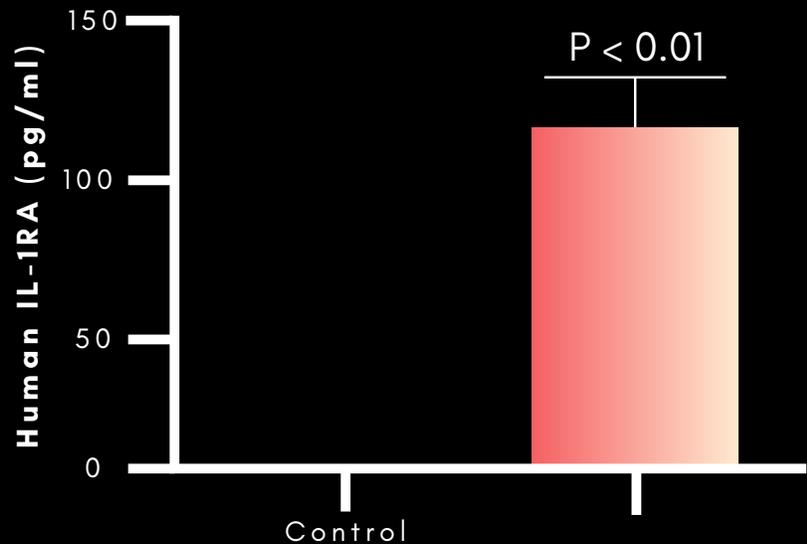
With the presence of growth factors such as IGFBP 1, 2, 3, and 6, insulin, growth hormone, PDGF-AA, TGF-β1, VEGF, and the anti-inflammatory cytokine, IL-1RA, Nano Xsomes offer a comprehensive solution for regenerative medicine. Membrane enclosed particles within exosome size range and expressing exosome tetraspanins CD81 and CD9 have also been identified, confirming the high quality and purity of our product.

No other exosome product has the pedigree or paperwork to prove it.

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Table 1. Growth factors expressed in the formulated stem cell extract.

Growth Factors	Average Amount (pg/mL)	
IGFBP-1	Insulin-like growth factor-binding protein-1	70
IGFBP-2	Insulin-like growth factor-binding protein-2	18.1
IGFBP-3	Insulin-like growth factor-binding protein-3	552.6
IGFBP-6	Insulin-like growth factor-binding protein-6	20.3
Insulin	Insulin	518.5
GH	Growth hormone	10.5
FGF-7	Fibroblast growth factor-7	45.5
HB-EGF	Heparin-binding EGF-like growth factor	42.2
PDGF-AA	Platelet derived growth factor-AA	58.1
TGF-α	Transforming growth factor alpha	2.4
TGFβ1	Transforming growth factor beta 1	1036.90
EG-VEGF	Endocrine-gland-derived vascular endothelial growth factor	86.6
VEGF	Vascular endothelial growth factor	30.8
VEGF R2	Vascular endothelial growth factor-receptor 2	20.6
VEGF R3	Vascular endothelial growth factor-receptor 3	300
VEGF-D	Vascular endothelial growth factor D	16.6
BDNF	Brain-derived neurotrophic factor	68.6
b-NGF	Beta-nerve Growth factor	9.5
NGF-R	Nerve growth factor receptor	21
NT-4	Neurotrophin-4	110.3



Product	SKU	Dose
NANO XSOMES	NEX180	180b/mL

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All Platinum Biologics products are intended for cosmetic, research and/or homologous use.