

Optimize and upgrade to...



**RICHSOURCE®**

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**PRODUCTS**

For homologous use only	EXOSOMES Extracellular Vesicles (EVs)	Bone Marrow Aspirate	Adipose Aspirate	PRP	Umbilical Cord Blood
<b>Off-the-shelf Graft</b>	YES	No	No	No	Yes
<b>Contains Primarily Exosomes</b>	YES	No	No	No	No
<b>EV nanometer diameter size 80 - 120</b>	YES	No	No	No	No
<b>Contains Amniotic Fluid</b>	YES	No	No	No	No
<b>Placenta, Amnion Membrane, Wharton's Jelly and Amniotic Fluid</b>	Source varies	No	No	No	No
<b>Contains Multipotent Cells or EVs</b>	YES	Yes	Yes	No	Yes
<b>Contains Pluripotent Cells or EVs</b>	YES	Minimal	Minimal	No	Minimal
<b>Contains Extracellular Matrix</b>	YES	No	No	No	No
<b>Growth Factors</b>	300	62	Minimal	7	Minimal
<b>Endotoxin, Bioburden, Mycoplasma Tested</b>	YES	No	No	No	No
<b>Flexible Signaling</b>	YES	No	No	No	No
<b>Surgical Procedure to Obtain Tissue</b>	NO	Yes	Yes	Yes, minor	No
<b>Aged Cells</b>	NO	Yes	Yes	Yes	Yes
<b>Multiple Donor DNA</b>	NO	No	No	No	Yes
<b>Cell Cultures Expansion</b>	NO	Yes frequently	Enzyme used to isolate cells	No	No
<b>Centrifuged</b>	NO	Yes	Yes	Yes	Yes