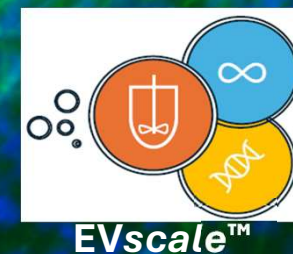


**Extracellular Vesicles (EV) from MSC/TERT lines  
show combinations of biological activities**

**EV products for Regenerative Medicine - EVscale™**

Phoenestra GmbH  
April 2025



# EV produced by EVscale™ display combinations of biological activities in *in vitro* assays and models



EV1-5 ... EV preparations from cultivations of MSC/TERT lines derived from different human tissues

For more information, please get in contact with us: [office@evscale.info](mailto:office@evscale.info)

Assay	EV1	EV2	EV3	EV4	EV5	Comments
Anti-Fibrosis 2D	+++	++	++	++	-	human skin fibroblasts
Anti-Fibrosis 3D	++	+++	+*	+*	+++	human liver organoids
Anti-Inflammation	+/**	++	++	++	+++	mouse macrophage/microglia
CD73 Activity	++	++	+++	++	++	enzyme activity assay
Proliferation - Kidney	++	+++	+++	++	+++	human tubular cells
Proliferation - Nerve	++	+	n.a.	+++	n.a.	human Schwann cells
Wound Healing	+++	n.a.	n.a.	n.a.	n.a.	HACAT cell scratch assay
Vasculogenesis 2D	+++	+++	++	+++	+++	HUVEC Matrigel assay
Vasculogenesis 3D	+++	+++	+++	++	+*	HUVEC 3D Fibrin clot assay
Cardioprotection	+++	n.a.	n.a.	+++	n.a.	Rat cardiac myoblast assay
*not significant	n.a. ... not analyzed					