

## **Defined EV-Products**

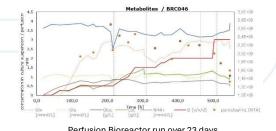
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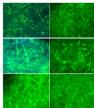
## Openforsenices EVscale<sup>™</sup> - Extracellular Vesicles at scale

Understanding your therapeutic product is key for clinical and regulatory success. This is also true for Extracellular Vesicle (EV)-based products and - due to their inherent complexity - a challenge in itself. Stable MSC lines (MSC/TERT) and a productive perfusion process are the foundation for scalable and consistent EV supplies by EVscale™.



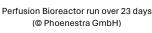






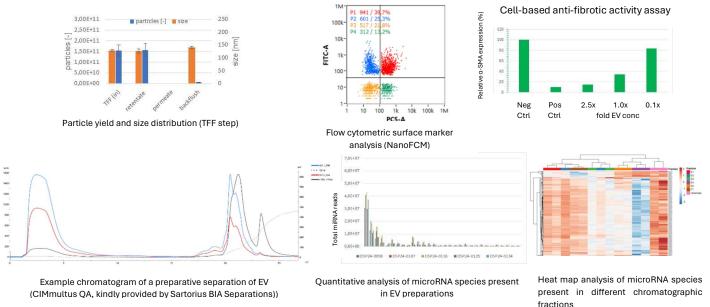
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Proprietary Perfusion Bioreactor setup (Patent pending, © Phoenestra GmbH)



Viable cell on carrier after 2, 4 and 7 days (top to bottom) (© Phoenestra GmbH)

And EV*scale*<sup>™</sup> goes beyond by assembling Downstream processing and analytical tools which enable better understanding and definition of EV-based products with a Target Product Profile (TPP). EV preparations processed by Tangential Flow Filtration (TFF) and/or chromatographic separation methods are analyzed in-depth using orthogonal methods addressing particle number, size and nature, protein marker profiles, RNA composition and relevant functional biological activities.



EVscale™ has been developed in collaboration between Phoenestra GmbH, Evercyte GmbH and TAmiRNA GmbH

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