



# RoosterCollect EV Pro™

## EXTRACELLULAR VESICLE (EV) PRODUCTION



**Next generation EV collection media, RoosterCollect EV Pro increases EV yields as part of a complete hMSC-EV production system.**

RoosterCollect EV Pro is a media kit engineered to increase EV yields during post-cell expansion hMSC-EV collection by supporting cell health to enable a prolonged collection phase. Qualified to be low particulate, this system ensures EV consistency and purity.

When used alongside RoosterBio's complete EV production system of high-volume xeno-free hMSCs and paired bioprocess media, RoosterCollect EV Pro transfers radically increased productivity in both 3D (fed-batch) bioreactor and 2D (batch) culture applications to meet product development needs and industrialize your EV supply chain.

### PRODUCT FEATURES

Low Particulate. Xeno-free. Chemically Defined.

Maintains hMSC Health

Collect in 2D and 3D Bioreactor Applications

cGMP Compatible Processes

### PRODUCT BENEFITS



Increases EV Yields



Ensures End Product Purity



Translation-Friendly Formats



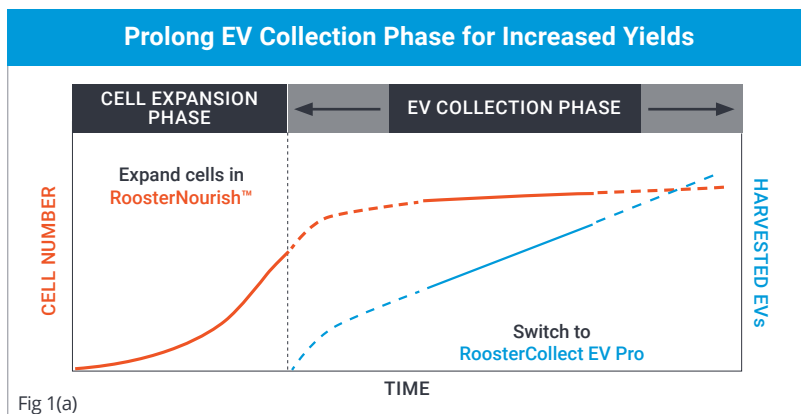
Part of a Complete Solution

**WE PROVIDE SCALABLE PROCESS RECOMMENDATIONS TO BOOST YOUR EV YIELDS.**

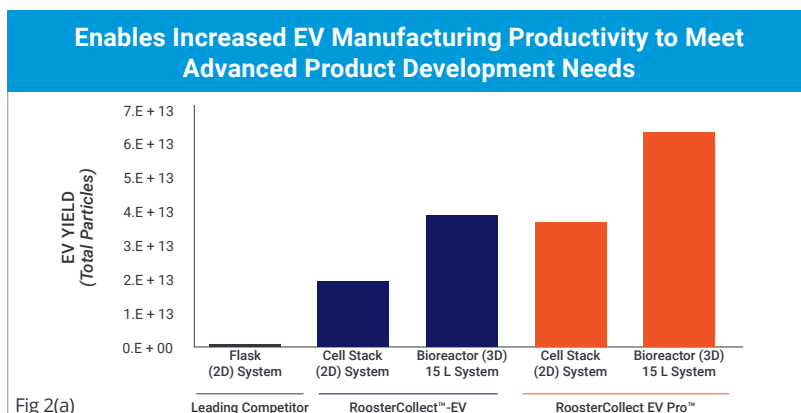


**RoosterBio®**

### Prolong EV Collection Phase for Increased Yields



### Enables Increased EV Manufacturing Productivity to Meet Advanced Product Development Needs



**AN hMSC-EV COLLECTION SYSTEM PROVIDING > 10X MORE EVs PER DOLLAR THAN LEADING SERUM-FREE SYSTEMS**

ACHIEVE A **60-FOLD** INCREASE IN **EV YIELDS**

— WITH —

**25%** REDUCTION IN **MANUFACTURING TIME**  
\*compared to leading serum-free systems

Fig 1(a). Switch from cell expansion phase, using RoosterBio's high-volume hMSCs and paired RoosterNourish expansion medium, directly to collection phase using RoosterCollect EV Pro, which supports hMSC health for an elongated EV collection phase.

Fig 2(a). Total particles collected after 10 days using either RoosterCollect-EV or RoosterCollect EV Pro using RoosterBio's (2D) 10-layer cell stack system or (3D) 15 liter bioreactor system compared to leading competitors 2D flask system. Actual EV yields can vary by donor or tissue type.

# NEXT GENERATION EV COLLECTION MEDIUM ENABLING LARGE SCALE EV PRODUCT & PROCESS DEVELOPMENT

## Applications for RoosterCollect EV Pro™

EXTRACELLULAR VESICLES | SECRETED PROTEINS | CONDITIONED MEDIA

**RoosterCollect EV Pro is Part of a Complete System that  
Generates EVs with Expected Size and Surface Protein Content.**

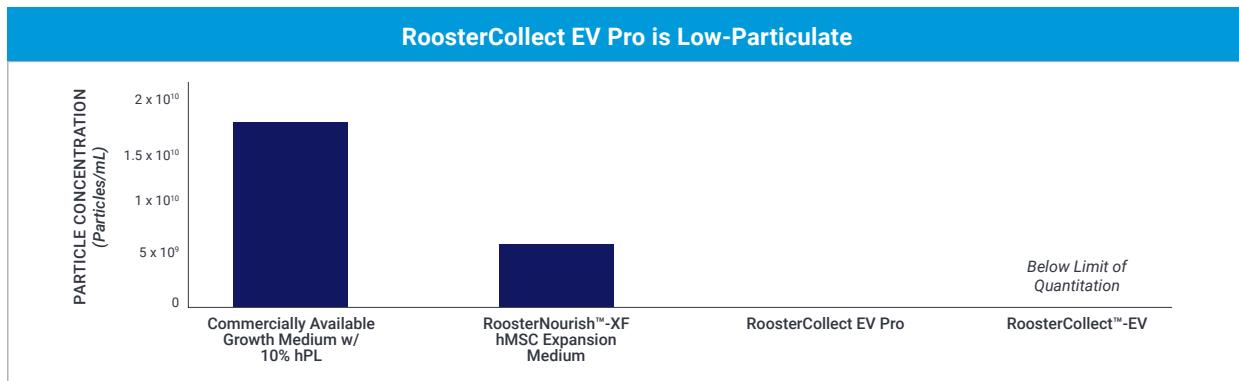


Fig 3(a)

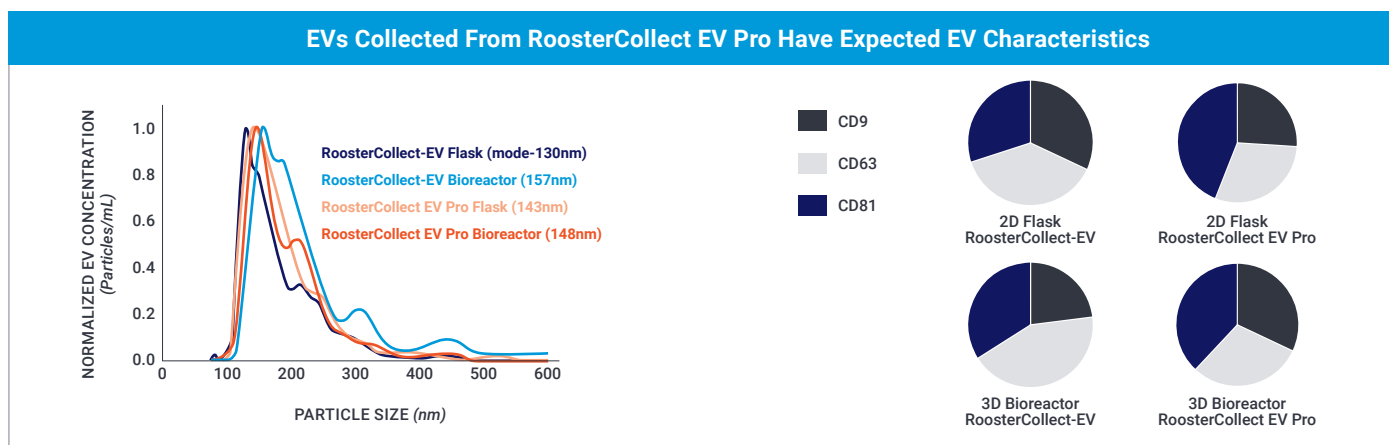


Fig 3(b)

Fig 3(a): RoosterCollect EV Pro is engineered to be low-particle to ensure confidence that collected EVs are from the parental cells.

Fig 3(b): EVs collected using RoosterBio's RoosterCollect-EV and RoosterCollect EV Pro have expected size distribution and relative distribution of CD9, CD63, and CD 81 surface protein markers.

### PRODUCT INFORMATION

PRODUCT	SKU / CATALOG #	UNIT SIZE	INTENDED USE
RoosterCollect EV Pro	K41001	500 ml bottle of RoosterCollect-EV and 10 ml bottle of EV Pro Supplement	For Research Use Only



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RoosterBio, Inc is a privately held manufacturing platform technology company based in Frederick, MD focused on accelerating the development of a sustainable regenerative medicine industry, one customer at a time.