BOOST CONFIDENCE IN EV COLLECTION

ROOSTERCOLLECT™-EV | COLLECTION MEDIA
EXTRACELLULAR VESICLE (EV) PRODUCTION

LOW-PARTICULATE MEDIUM
STREAMLINED. SCALABLE.

ROOSTERBIO.COM

RoosterBio®

Radically Simplifying Use of MSCs

A low particle medium, RoosterCollect-EV supports seamless transition from hMSC expansion to EV collection.

Catalyze a complete extracellular vesicle (EV) hyperefficient manufacturing workflow by starting with RoosterBio hMSC bioprocess systems including high-volume xeno-free hMSCs and paired media. This engineered system paired with RoosterCollect™-EV increases EV yields with minimized processing times allowing you to get to your product. Productivity translates readily from 2D (batch) to 3D (fed-batch) applications to scale with your development goals.

We provide process recommendations to boost your EV yields.

AS PART OF A COMPLETE SYSTEM FOR MSC EV COLLECTION, ROOSTERCOLLECT-EV IS ENGINEERED TO STREAMLINE INTEGRATION INTO YOUR EV WORKFLOW.

Transition from hMSC expansion to EV collection

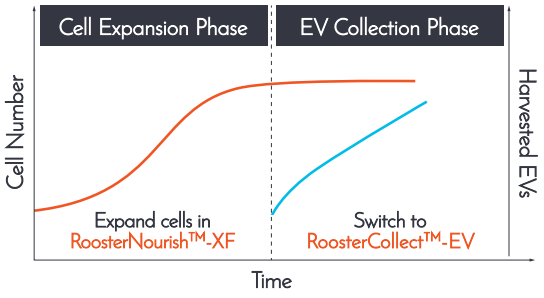

Fig 1(a)

RoosterCollect™-EV reduced particle levels ensure confidence

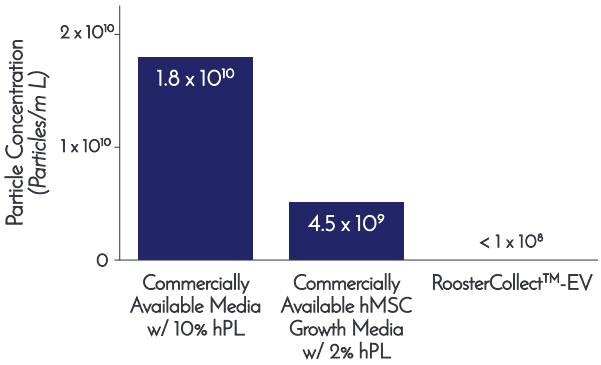

Fig 1(b)

Fig 1(a). Switch from cell expansion phase, using RoosterBio's high-volume hMSCs and paired RoosterNourish-MSC-XF expansion medium, directly to collection phase using RoosterCollect-EV.

Fig 1(b). RoosterCollect-EV is a media engineered for extracellular vesicle collection with a particle level significantly lower than commercially available media – typically containing background particle noise.

Low Particle Collection Medium for Use in Dynamic EV Manufacturing Processes

APPLICATIONS FOR ROOSTERCOLLECT™-EV

Extracellular Vesicles | Secreted Proteins | Conditioned Media

ROOSTERCOLLECT-EV SUPPORTS SCALABLE EV COLLECTION FROM hMSCs

EV collection supported over 48 hours

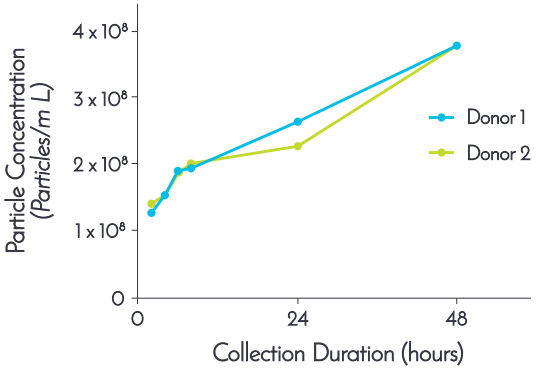

Fig 2(a)

Particle collection in EV size ranges

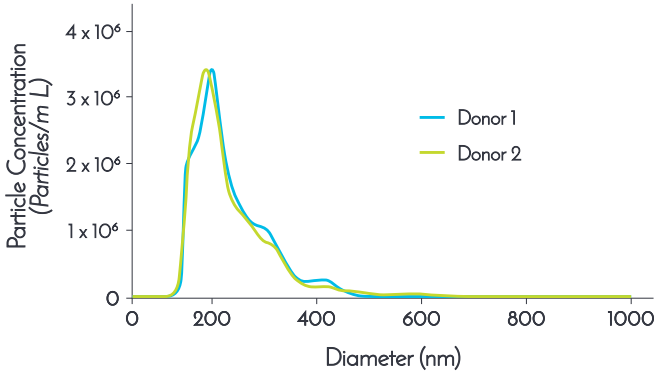

Fig 2(b)

Fig 2(a). RoosterCollect-EV supports EV collection from MSCs from 2 to 48 hours. Particle level in the conditioned media increases over the collection phase.

Fig 2(b). Collected particles have diameters in the size range of 50-350nm.

EV collection scales

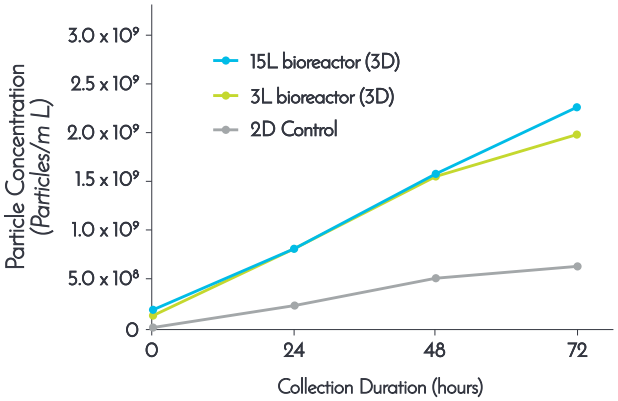

Fig 2(c)

RoosterCollect-EV particle collection scales from 2D vessel culture to 3D bioreactor systems which increases EV production as higher cell quantities are achieved.

PRODUCT FEATURES

- > Low Particle Content
- > Xeno-free. Protein Free. Chemically Defined.
- > Streamlines EV Collection
- > Collect in 2D and 3D Applications
- > Component of EV Production

BENEFITS

- > Reduced Processing Times
- > Ensure End Product Purity

SIMPLIFY EV PRODUCTION & ACCELERATE PRODUCT DEVELOPMENT

RoosterBio®
Radically Simplifying Use of MSCs

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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.