

HELIOS[®] Exosome-Depleted UltraGRO™-PURE GI

For hMSC-derived EV production

Particle in medium	α -MEM media alone	2% ED UG-P GI	5% ED UG-P GI	<i>Minimal interference</i>
Particle count/mL	$1.93 \times 10^8 \pm 1.27 \times 10^7$	$3.51 \times 10^8 \pm 1.31 \times 10^7$	$4.32 \times 10^8 \pm 5.54 \times 10^7$	

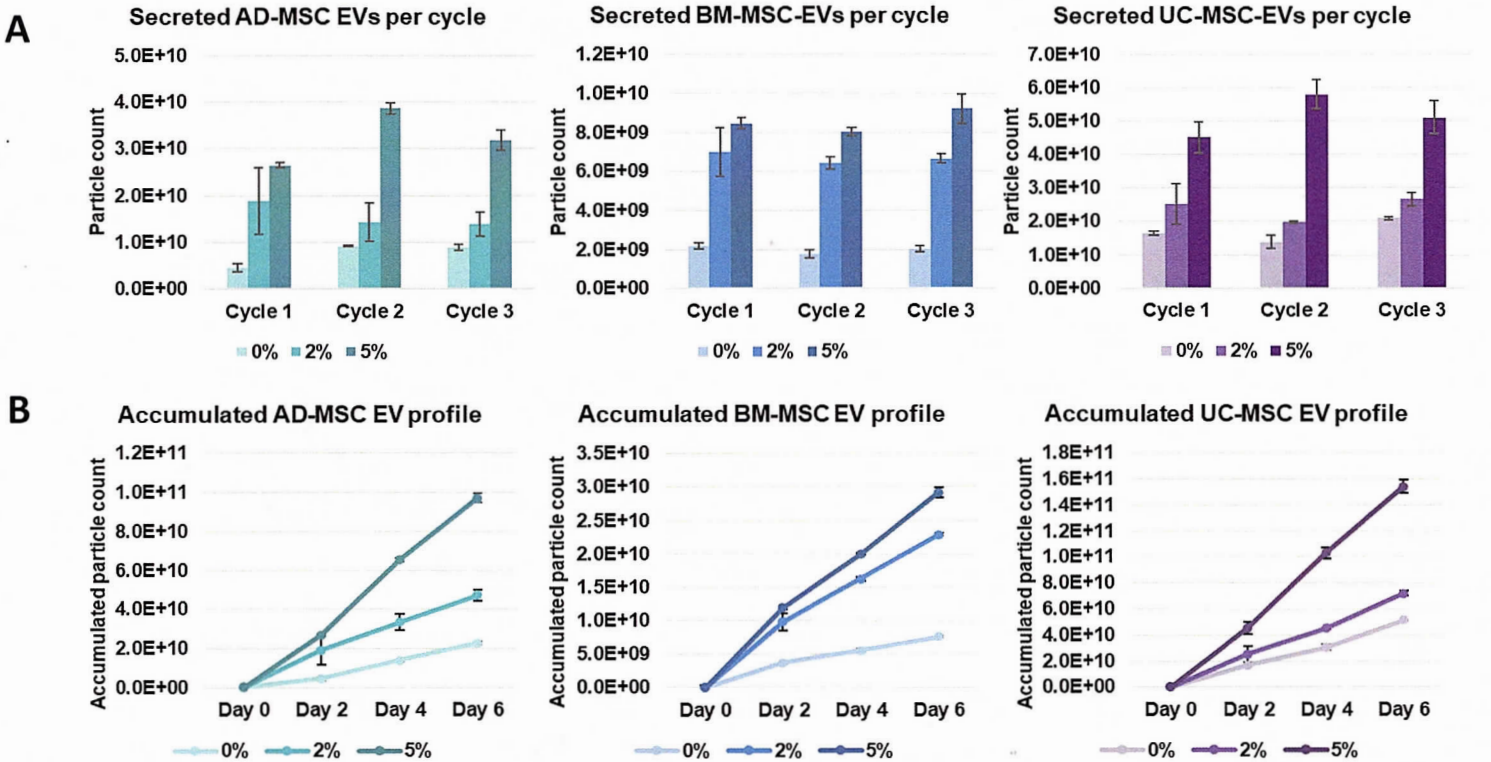


Fig.2: After MSCs reached 50-70% confluency in a T75 flask, the culture media was changed to ED UG-P GI supplemented culture media, and the media refresh was performed every 2 days as one culture cycle. (A) MSC-derived EVs secretion and their (B) accumulation profile were measured by NTA. (C) The MSC specific phenotype was not altered throughout the culture period up to 14 days.

Billions of MSC-derived EVs can be easily acquired for further applications!



Specifications	Acceptance
Appearance	Slight yellow
Mycoplasma	Negative
Endotoxin	< 10 EU/mL
Sterility	No growth
pH	6.5 – 8.5
Osmolarity	270 – 330 mOsm/kg
Particle depletion rate	> 95%
Cell assay	Support MSC culture
Gamma irradiation dose	25 – 40 kGy

Ordering Information

Product Number	Product	Bottle Size (mL)
HPCHEFR105	Exosome-Depleted UltraGRO™-PURE GI	50
HPCHEFR110		100
HPCHEFR150		500