

## hMSC BIOPROCESS MEDIA CATALOG

CATALOG NO.	PRODUCT	QUANTITY	FORMAT	SIZE
KT-001	hMSC High Performance Media Kit	1 unit	Bottles	500 mL (SU-005) 10 mL (SU-003)
KT-018	hMSC High Performance Media Kit, 3 L	1 unit	Bags	3 L (SU-012) 60 mL (SU-014)
KT-016	hMSC High Performance Media Kit XF	1 unit	Bottles	500 mL (SU-005) 10 mL (SU-016)
SU-015	RoosterReplenish™-MSC	1 unit	Bottle	10 mL
SU-017	RoosterReplenish-MSC	1 unit	Bag	30 mL
SU-018	RoosterReplenish-MSC	1 unit	Bag	60 mL
SU-023	RoosterReplenish™-MSC-XF	1 unit	Bottle	10 mL

## PRODUCT DESCRIPTION

### hMSC High Performance Media

Our high-productivity Bioprocess Media Kits have been designed for efficient expansion of human Mesenchymal Stem/Stromal Cells (hMSC) in traditional flasks or cell expansion bioreactors. Media kits are available in low serum and xeno-free (XF) formulations, in bottle or bagged configurations.

### hMSC High Performance Media Kits (bottles)

hMSC High Performance Media Kit (KT-001) is a low FBS medium that has been optimized for the rapid expansion of hMSCs. When paired with RoosterBio hMSCs, 10x cell expansion is guaranteed within one week of culture in our media systems. hMSC High Performance Media Kit XF (KT-016) is a standardized, xeno-free medium for the rapid expansion of hMSCs. One 10 mL vial of Media Booster (SU-003) or Media Booster XF (SU-016) should be added to 500 mL of hMSC High Performance Basal Media (SU-005) for optimal results. Please note that our media kits, and hMSC High Performance Basal Media (SU-005) alone, are not suitable for use as a base medium for hMSC differentiation.

### hMSC High Performance Media (bagged)

Our larger volume, single-use disposable universally-compatible bagged media kits are designed to

accommodate any Bioprocess vessel including plate or suspension bioreactors, multi-layer flasks, and HYPERStacks. One bag of Media Booster should be aseptically or sterilely connected via tube welding or quick connects and added to bagged hMSC High Performance Basal Media for optimal results.

### RoosterReplenish™-MSC

RoosterReplenish-MSC (SU-015, -017, -018) and RoosterReplenish-MSC-XF (SU-023) are first-in-class bioreactor feeds that replace partial and full media exchanges for bioreactor culture – simply add feed to cultures on day 3 or 4. Each 10 mL bottle can be used to supplement 500 mL of hMSC High Performance Media (KT-001 or KT-016) in suspension culture. RoosterReplenish-MSC is also available in single-use bags and should be used to supplement hMSC High Performance Media Kit (KT-018).

## RECOMMENDED USE

RoosterBio High Performance Media systems are engineered for rapid hMSC growth in 2D or 3D culture and designed to be paired with RoosterBio's high quality hMSCs. Our Bioprocess Media systems are engineered as batch or fed-batch systems (see hMSC Expansion Flask or Bioreactor Protocols).

**INTENDED USE: FOR RESEARCH USE ONLY.** Not approved for human, clinical trial, or diagnostic use. **WARNING:** These products are of human origin and should be handled as potentially infectious. Follow appropriate safety precautions.

## QUALITY CONTROL

Rigid QC testing is performed on all Media Kit lots. hMSC High Performance Basal Media lots are tested for sterility, physical characteristics (pH, osmolality), cell expansion, and endotoxin. Media Booster (SU-003 and SU-014) and Media Booster XF (SU-016) lots are tested for sterility, appearance and for RoosterBio hMSC expansion when added to High Performance Basal Media. Each lot supports 10x RoosterBio hMSC expansion within 1 week of culture when using our Expansion Protocols. Certificates of Analyses (CoA) are provided with High Performance Media Kits.

## STORAGE AND USE

**hMSC High Performance Basal Media** should be stored at 2-8° C for up to 1 year from date of manufacture and away from light.

**Serum-containing Media Boosters** may be stored at -20° C for up to 2 years from date of manufacture. **Xeno-free Media Boosters** may be stored at -20° C for up to 1 year from date of manufacture.

**Supplemented Media** is good for 2 weeks in the dark at 2-8°C.

**RoosterReplenish™-MSC** may be stored at -20° for up to 6 months from receipt date or 2 years from date of manufacture, whichever is earlier.