



Huachenbio -- Your Professional Choice

苏州华辰生物科技有限公司

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WeChat
Official Account



WeChat Official
Subscription Account



WeChat ID
for Inquiries

- Serum-Free, Platelet Lysate-Free
- Animal-Derived Component-Free
- Human-Derived Component-Free,
Contains Recombinant Human Serum Albumin (rHSA)
- Chemically Defined, High Batch-to-Batch Consistency
- High Efficiency, Supporting Primary and Passage Cultures of MSCs
- Manufactured in Compliance with GMP Standards,
Supporting Pharmaceutical Registration
- Higher Quality, Endotoxin < 0.1 EU/mL



Partner for End-to-End CGT Solutions



StarMedium® MSC

新一代间充质干细胞化学成分限定培养基

Chemically Defined Medium For Mesenchymal Stem cell

StarMedium® MSC

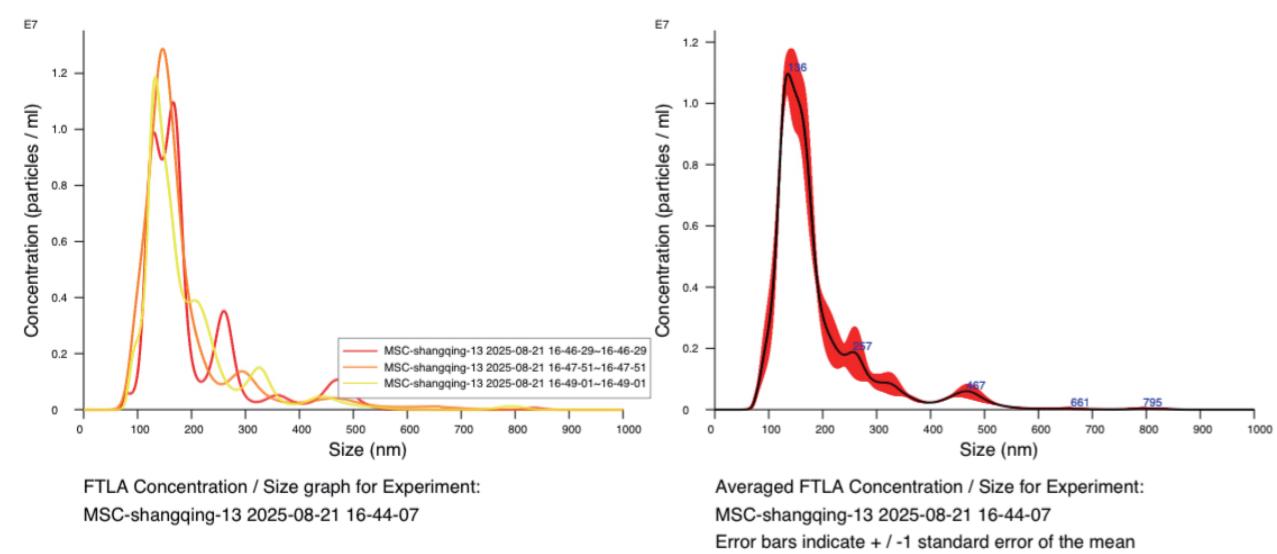
Chemically Defined Medium For Mesenchymal Stem cell

StarMedium® MSC CD Medium is developed and manufactured based on advanced medium formulations and production technologies. Produced in compliance with GMP standards, it enables a seamless transition from your research and development stage to industrialized clinical applications.

Why Choose StarMedium® MSC CD Medium?



Exosome Particle Count Assay Chart

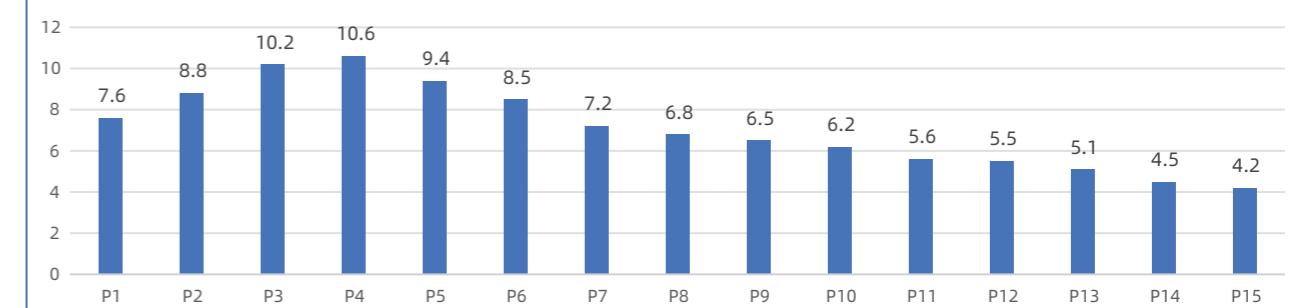


Expansion Fold

StarMedium Continuous Passage of Mesenchymal Stem Cells (MSCs) in Chemically Defined Medium

Passage	Seeding Density cells / cm ²	Culture Container	Harvested Cell Number (cells/bottle)	Expansion Fold	Total Expansion Fold
P0	-	T75	5.00E+05	-	-
P1	10000	T175	1.33E+07	7.6	7.6
P2	10000	T175	1.54E+07	8.8	66.88
P3	10000	T175	1.79E+07	10.2	682.176
P4	10000	T175	1.86E+07	10.6	7231.0656
P5	10000	T175	1.65E+07	9.4	67972.01664
P6	11000	T175	1.64E+07	8.5	577762.1414
P7	11000	T175	1.39E+07	7.2	4159887.418
P8	11000	T175	1.31E+07	6.8	28287234.44
P9	12000	T175	1.37E+07	6.5	183867023.9
P10	12000	T175	1.30E+07	6.2	1139975548
P11	12000	T175	1.18E+07	5.6	6383863070
P12	13000	T175	1.25E+07	5.5	35111246882
P13	13000	T175	1.16E+07	5.1	1.79067E+11
P14	13000	T175	1.02E+07	4.5	8.05803E+11
P15	14000	T175	1.03E+07	4.2	3.38437E+12

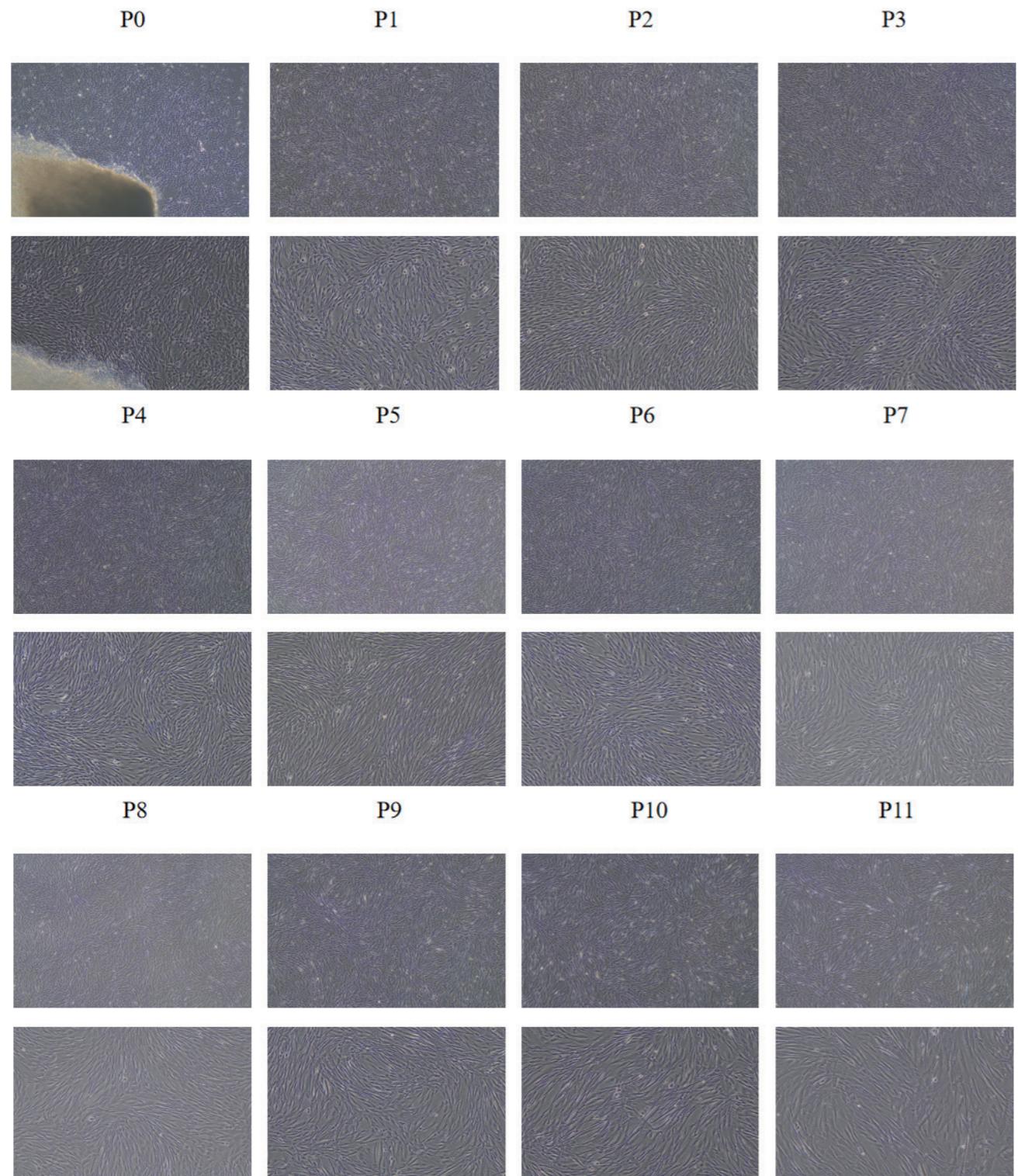
StarMedium Expansion Fold of Mesenchymal Stem Cells (MSCs) During Passage and Expansion in Chemically Defined Medium



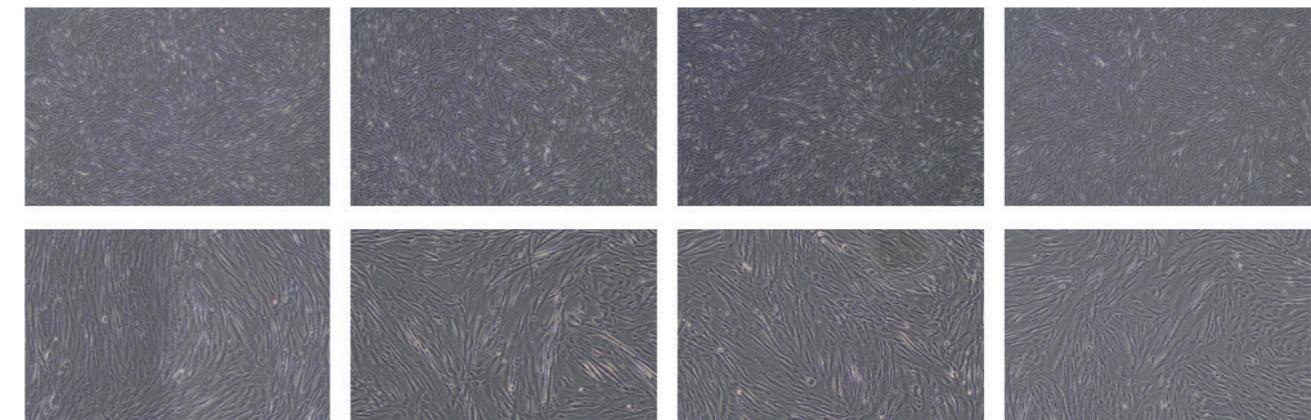
Complete Medium	3.60E+08
72-Hour Culture Supernatant	1.83E+09

UC-MSC Cell Culture Micrograph

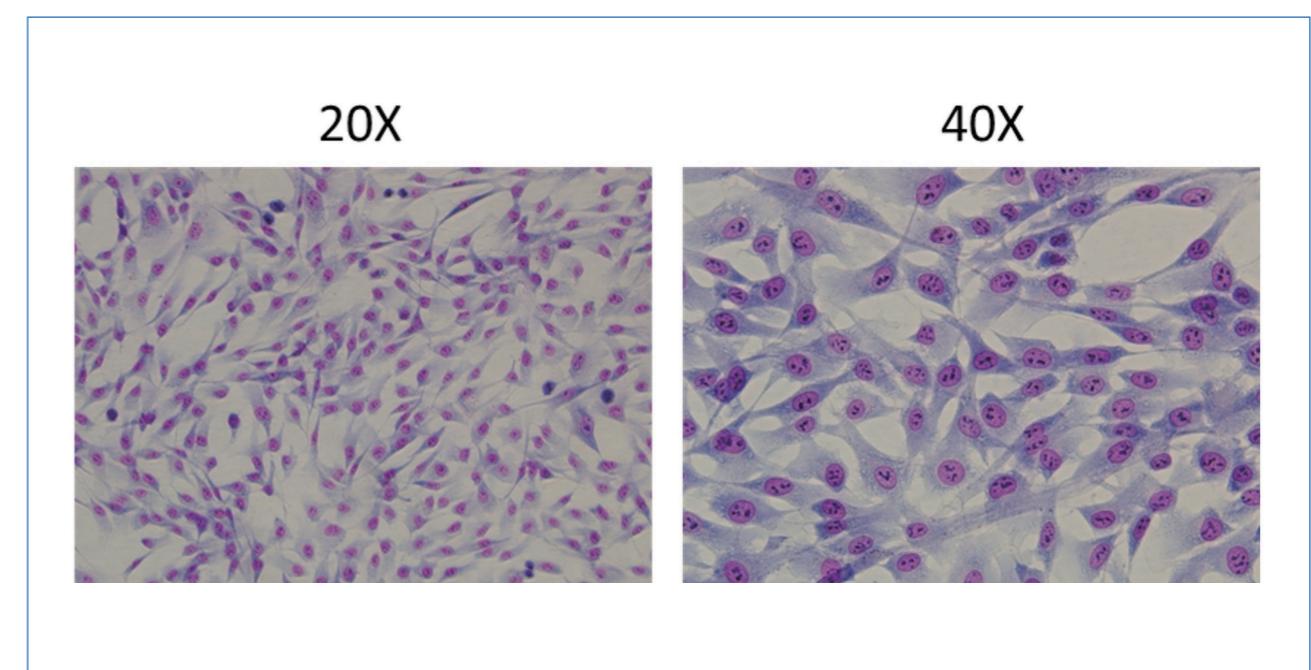
Spiral cell clusters with directionality and good cell morphology



P12 P13 P14 P15

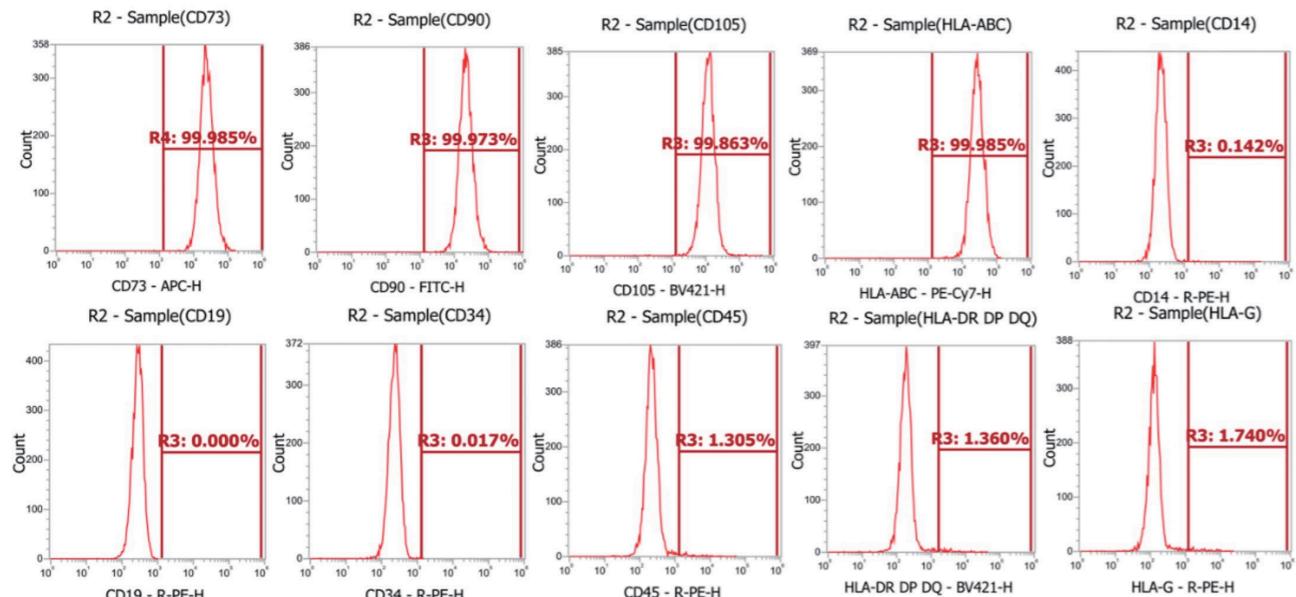


Giems Staining for Morphological Identification of UC-MSCs

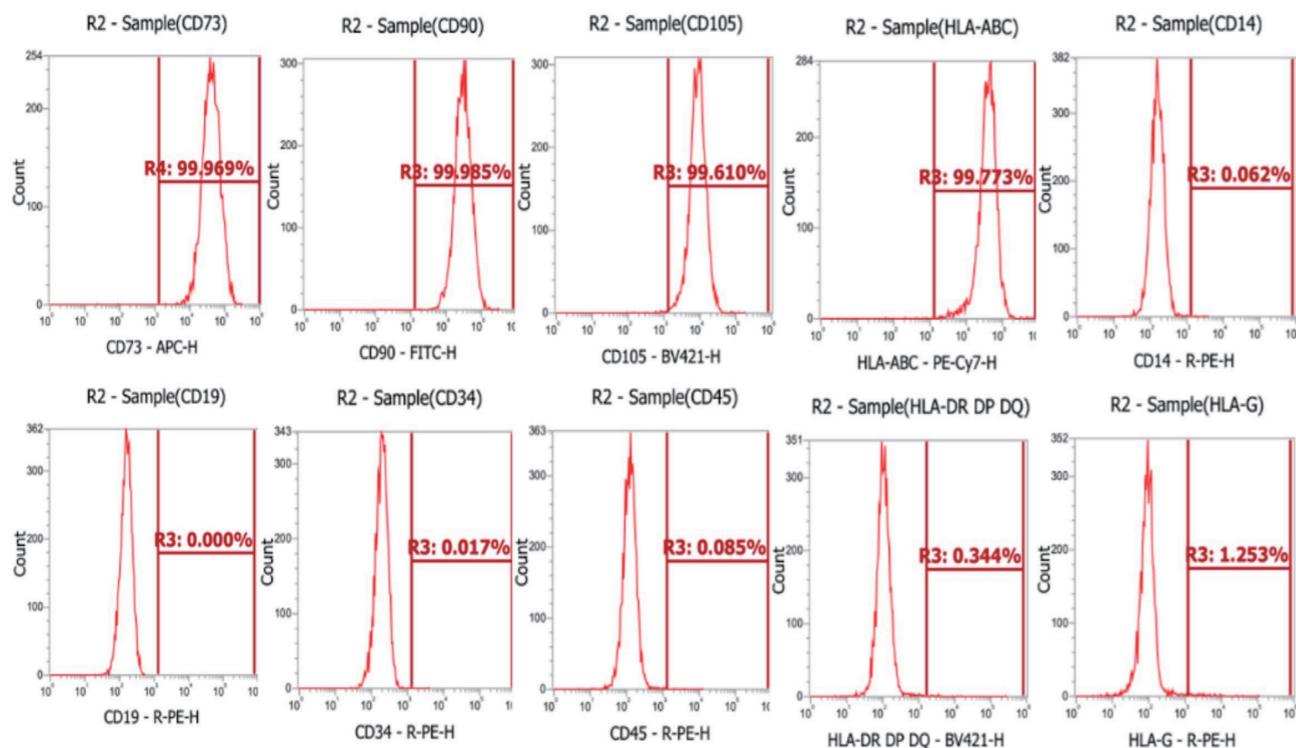


StarMedium® MSC

Chemically Defined Medium for Mesenchymal Stem Cells
Maintains Surface Marker Expression of UC-MSCs Across Multiple Passages

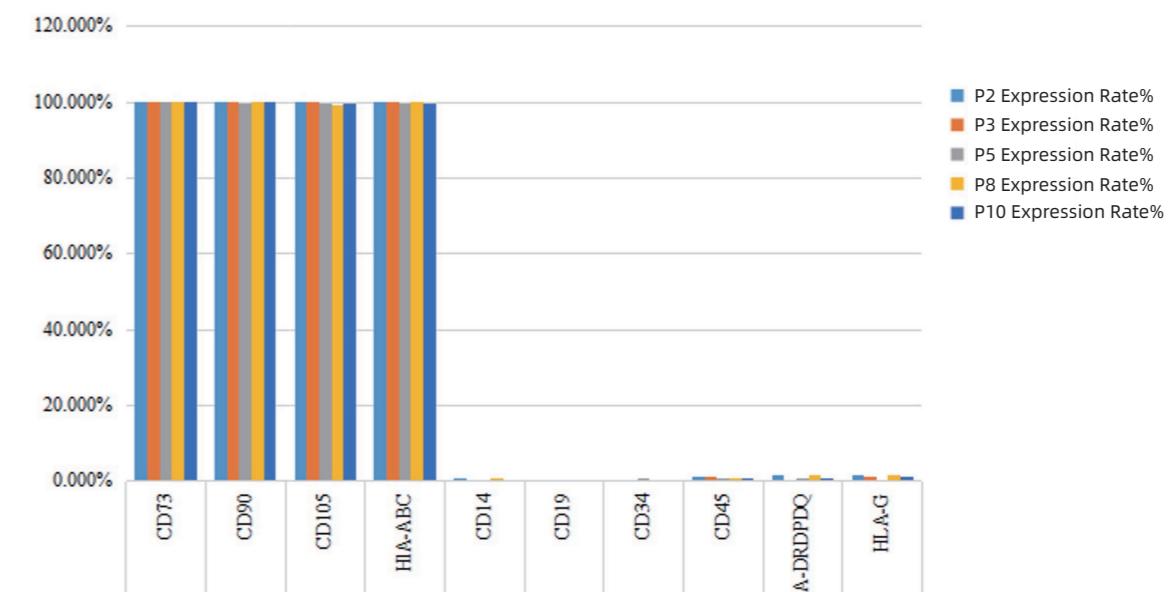


Detection of Characteristic Surface Markers in P2-Generation UC-MSCs



Detection of Characteristic Surface Markers in P10-Generation UC-MSCs

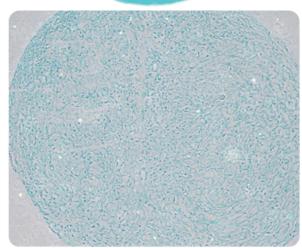
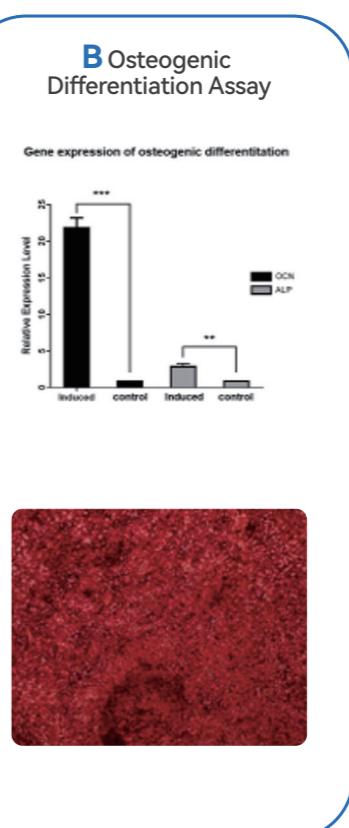
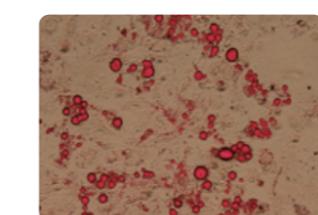
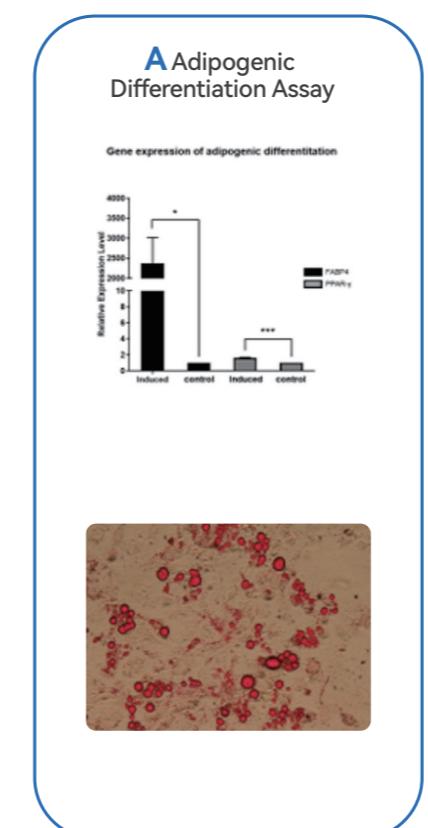
Detection Results of UC-MSC Surface Markers



Detection of Expression Rates of Characteristic Surface Markers in UC-MSCs

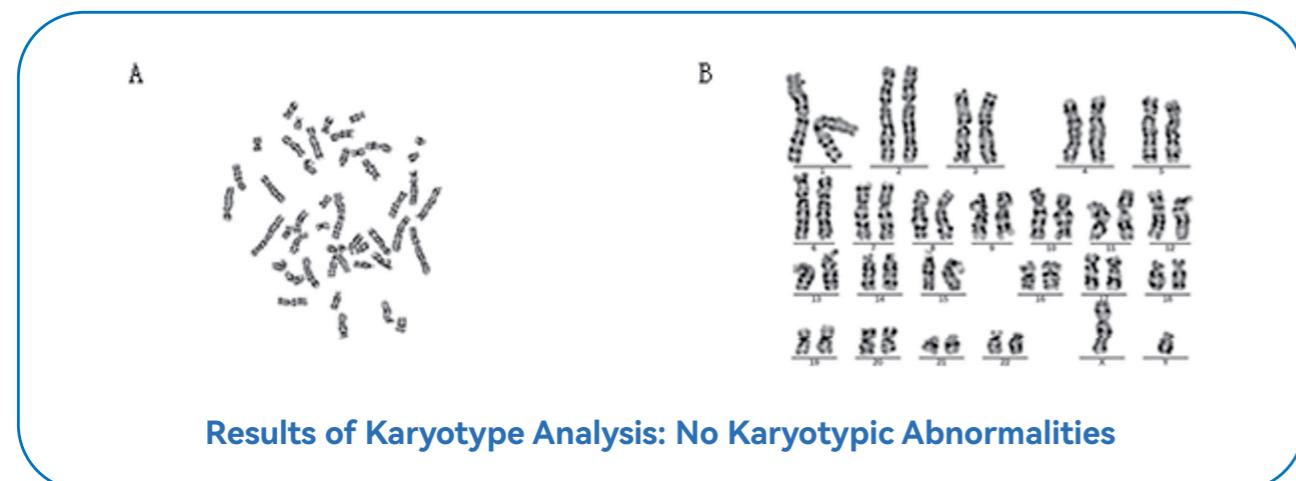
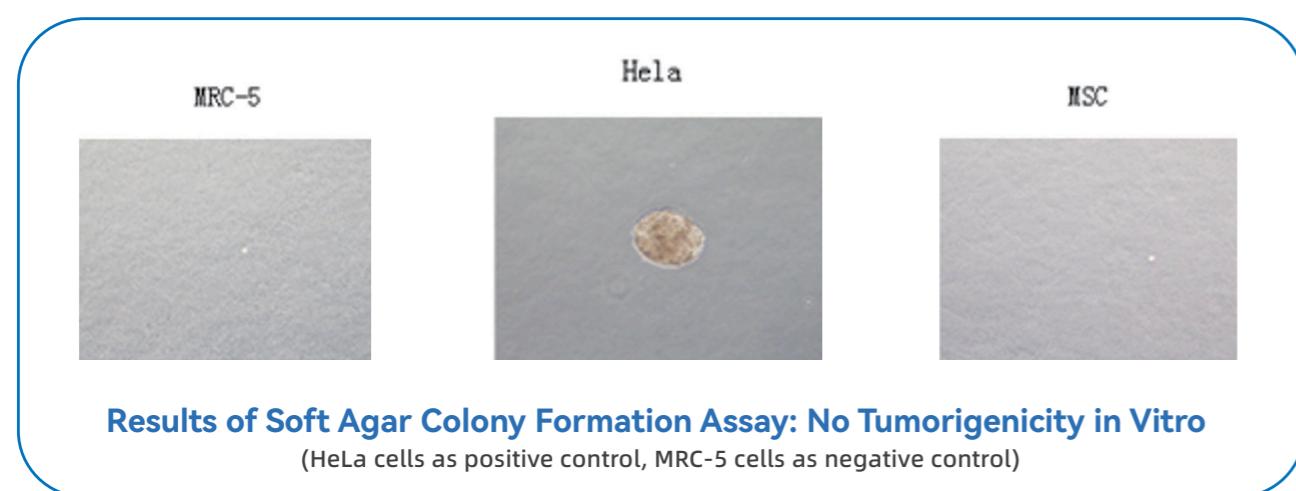
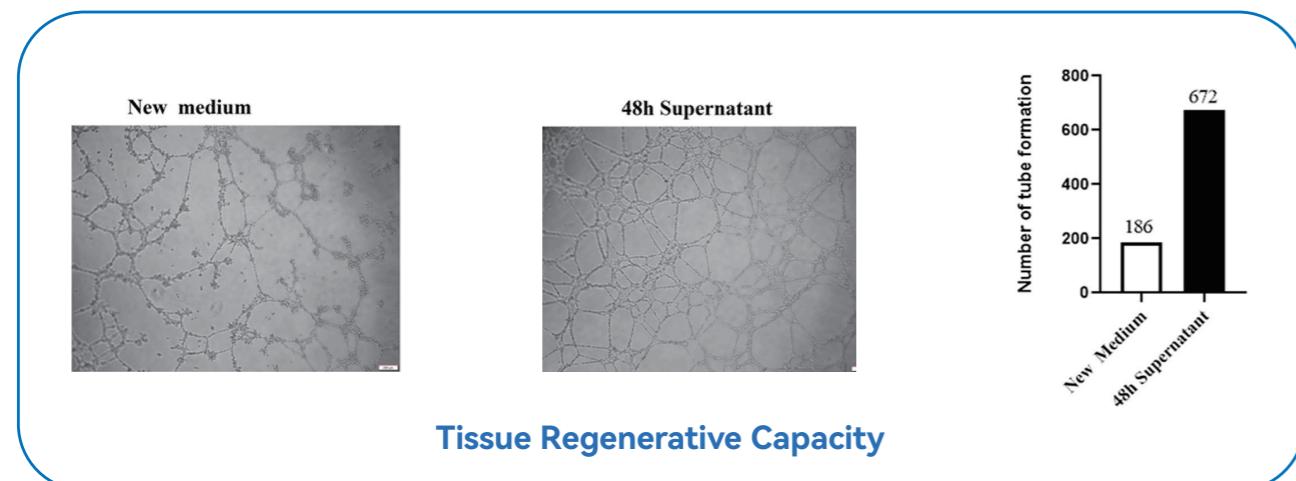
StarMedium® MSC

Mesenchymal Stem Cell Chemically Defined Medium Can Well Maintain the Adipogenic, Osteogenic, and Chondrogenic Differentiation Capabilities of MSCs

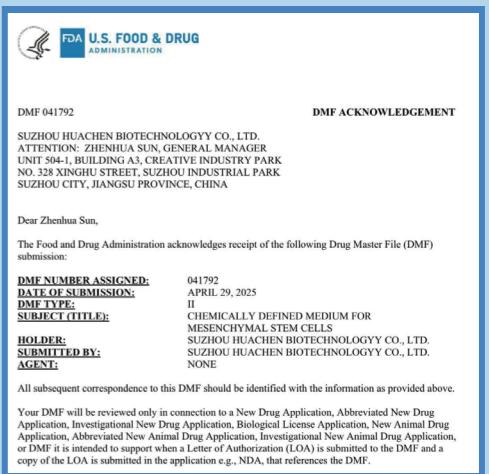


StarMedium® MSC

Mesenchymal Stem Cells (MSCs) Cultured in Chemically Defined Medium for MSCs Possess Tissue Regenerative Capacity and High Clinical Safety



DMF Registration Number: 041792



Huachen Bio: Core Technology Platforms



Ordering Information

Kit Name	Product Cat#	Specs	Remarks
StarMedium Chemically Defined Medium For Mesenchymal Stem cell(With Phenol Red)	HC-CD03R	500ml/bottle	①Serum-free, animal-derived component-free, platelet lysate-free, truly serum-free; ②Suitable for primary and passage culture; ③Human-derived component-free, containing recombinant human serum albumin; ④Chemically defined composition, high batch-to-batch consistency; ⑤High performance, efficiently promoting MSC expansion; ⑥Manufactured in compliance with GMP standards, supporting clinical-grade/pharmaceutical-grade cell culture; ⑦3ml additive volume, low protein content; ⑧Higher quality, endotoxin < 0.1 EU/ml.
StarMedium Chemically Defined Medium For Mesenchymal Stem cell(Without Phenol Red)	HC-CD03F	500ml/bottle	
StarMedium Medium Supplement	HC-CD03S	3ml/bottle	

Product Catalog

NK Kit

- Kit02 Enhanced Version**
hyperClone® Human Cryopreserved Mononuclear Cells NK Activation/Expansion Kit
- kit03 hyper Version**
hyperClone® Human Fresh Blood NK Activation/Expansion Kit
- kit05 Enhanced Version**
hyperClone® Human Fresh Blood NK Activation/Expansion Kit
- Kit09**
hyperClone® NK Cells Seed Bank Resuscitation/Activation Kit

Cryopreservation Medium

- Serum-free Cell Freezing Medium for PBMC/CBM Cryopreservation
- Serum-free Cell Freezing Medium for NK Cell Seed Bank
- Serum-free Cell Freezing Medium
- DMSO-free Cell Freezing Medium

PureSep-NK



γδT Kit

- hyperClone® Human γδT Activation/Expansion Kit

Microcarrier

- 3D StarPore™ Microcarrier
- StarSpan 4-Channel Mini Bioreactor

StarMedium®

Chemically Defined Medium For Mesenchymal Stem Cells

novastem-MSC®

Serum-Free Medium For Mesenchymal Stem Cell

hyperClone® NK KIT

人NK细胞高效扩增试剂盒

3D StarPore® Max

第二代Max微载体

basal medium

- Fibroblast Culture Medium
- novaT-15 Chemically Defined Serum-Free Medium For Culture of Human Lymphocytes
- novaNK-20 Chemically Defined Serum-Free Medium For culture of Human Natural Killer cells

H U A C H E N

- Suitable for Primary Cell Isolation and Subculture
- Compatible with a variety of mesenchymal stem cells, such as umbilical cord-, adipose-, bone marrow-, amniotic membrane-, hair follicle-, and dental pulp-derived mesenchymal stem cells
- Serum-free, free of any animal-derived components, antibiotic-free, stable in performance, and minimal batch-to-batch variation
- High cell expansion rate, with a single passage expansion fold of over 20x
- Cell yield per T175 flask: >2×10⁷ cells; Cell yield per 10-layer cell factory: 8-10×10⁸ cells
- Cell diameter: 14-15 μm, smaller than that of similar products on the market
- GMP level, prepared with water for injection (WFI), endotoxin <0.1 EU/ml
- #Independent R&D and production system, stable supply, and high cost-effectiveness



novastem-MSC®
间充质干细胞无血清培养基
Serum-Free Medium For Mesenchymal Stem Cell

- High expansion fold: >100,000-fold expansion by Day 28
- High cell quantity: approximately 200 billion cells by Day 21
- High purity: >98% CD3⁺CD56⁺ (High-Efficiency Version), >90% CD3⁺CD56⁺ (Enhanced Version), and >90% CD16⁺CD56⁺
- High cell viability: >90% viability
- Allogeneic use: CD3⁺ cells <1%, meeting the requirement for allogeneic application
- Low cost: The production cost per NK cell preparation is 1/3 to 1/5 of the original cost
- Pure factor: feeder-free, GMP-manufactured, with DMF filing number



hyperClone® NK KIT
人NK细胞高效扩增试剂盒

- Serum-free, platelet lysate-free
- Animal-derived component-free
- Human-derived component-free, containing recombinant human serum albumin (rHSA)
- Chemically defined, with high batch-to-batch consistency
- High efficiency, supporting primary and subculture of MSCs
- Manufactured in compliance with GMP standards, supporting pharmaceutical registration
- Higher quality, with endotoxin <0.1 EU/ml



StarMedium®
新一代间充质干细胞化学成分限定培养基
Chemically Defined Medium For Mesenchymal Stem cell



3D StarPore® Max
第二代Max微载体

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