



Huachenbio -- Your Professional Choice

- ✦ Suitable for human induced pluripotent stem cells and embryonic stem cells
- ✦ Serum-free, xeno-free (no animal-derived components), antibiotic-free, safe and reliable
- ✦ Enables long-term and efficient expansion, supporting continuous and stable expansion for over 15 passages
- ✦ Enhanced buffering system, supporting medium change every other day
- ✦ Can be used for 3D large-scale expansion of iPSCs with stable performance
- ✦ Chemical composition limitation, containing recombinant human serum albumin



StarPluri™ iPSC Medium

iPSC培养基

StarPluri™ Chemically Defined Animal Component-Free, Feeder-Free Medium for Maintenance of hESCs and hiPSCs

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Product Introduction

Huachenbio
StarPluri™Chemically Defined Animal Component-Free,Feeder-Free Medium for Maintenance of hESCs and hiPSCs

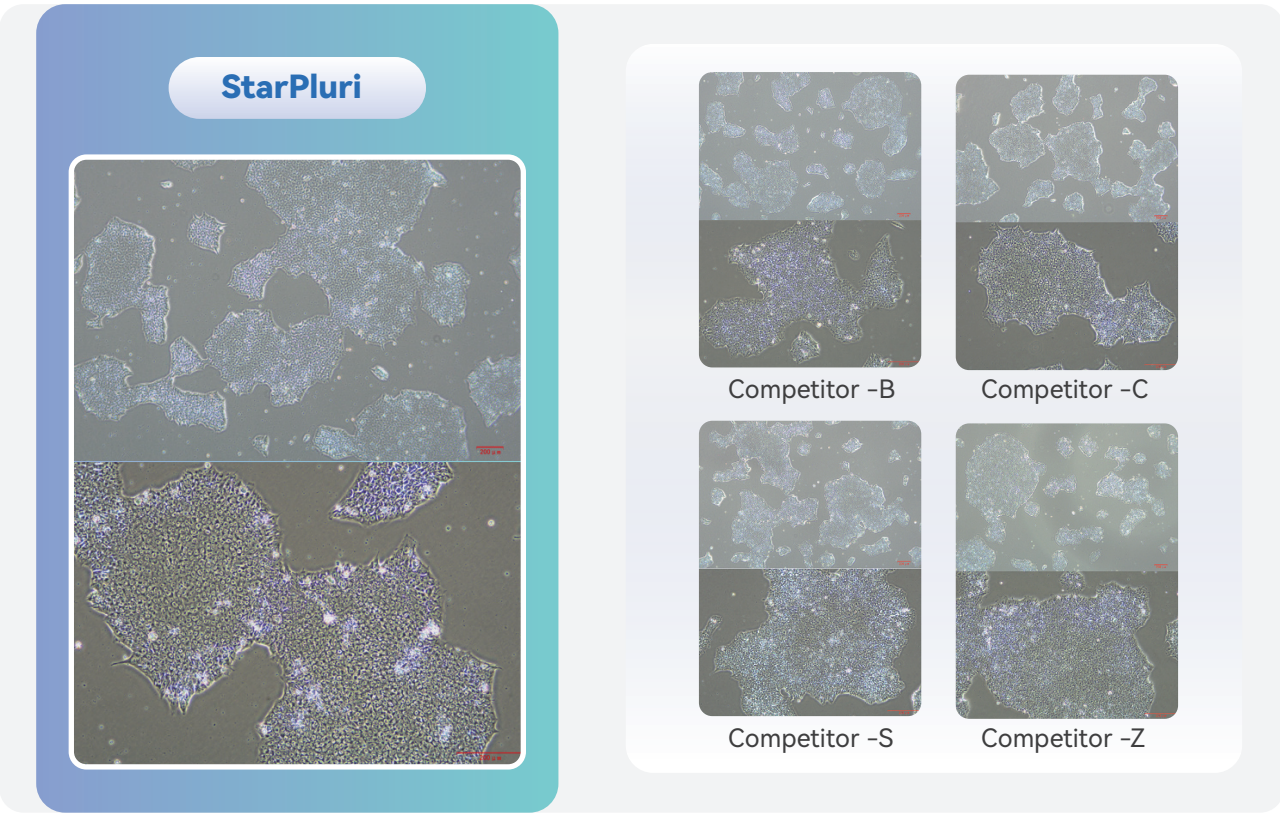
It is a serum-free medium kit designed for the long-term maintenance and expansion of human embryonic stem cells (hESCs) and induced pluripotent stem cells (iPSCs). This medium has a defined chemical composition, contains nutrients suitable for the growth of human pluripotent stem cells, requires no additional factors to be added, and supports long-term culture as well as medium change every other day.



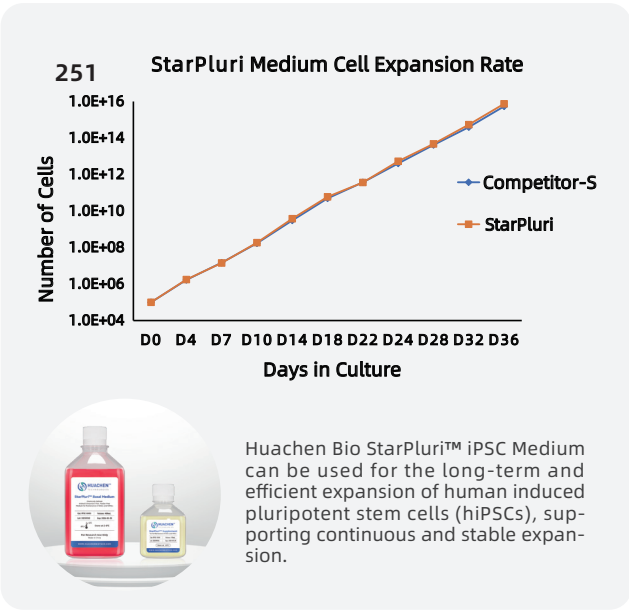
Product Specifications

Name	Catalog	Specs	Exp	Storage
StarPluri™ Basal Medium Chemically Defined Animal Component-Free, Feeder-Free Medium for Maintenance of hESCs and hiPSCs	IPSC-B500	500mL/bottle	12 Months	2~8℃ Store away from light
StarPluri™ Supplement For the Maintenance of hESCs and hiPSCs	IPSC-S25	25mL/bottle	12 Months	-20℃ Store away from light

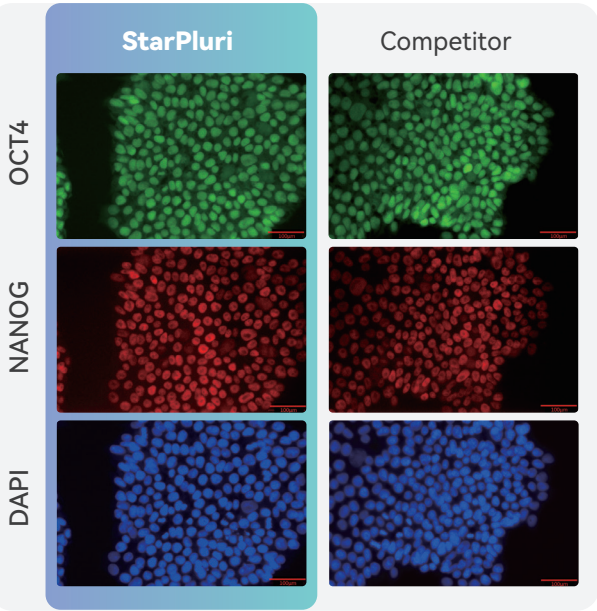
Cell Morphology



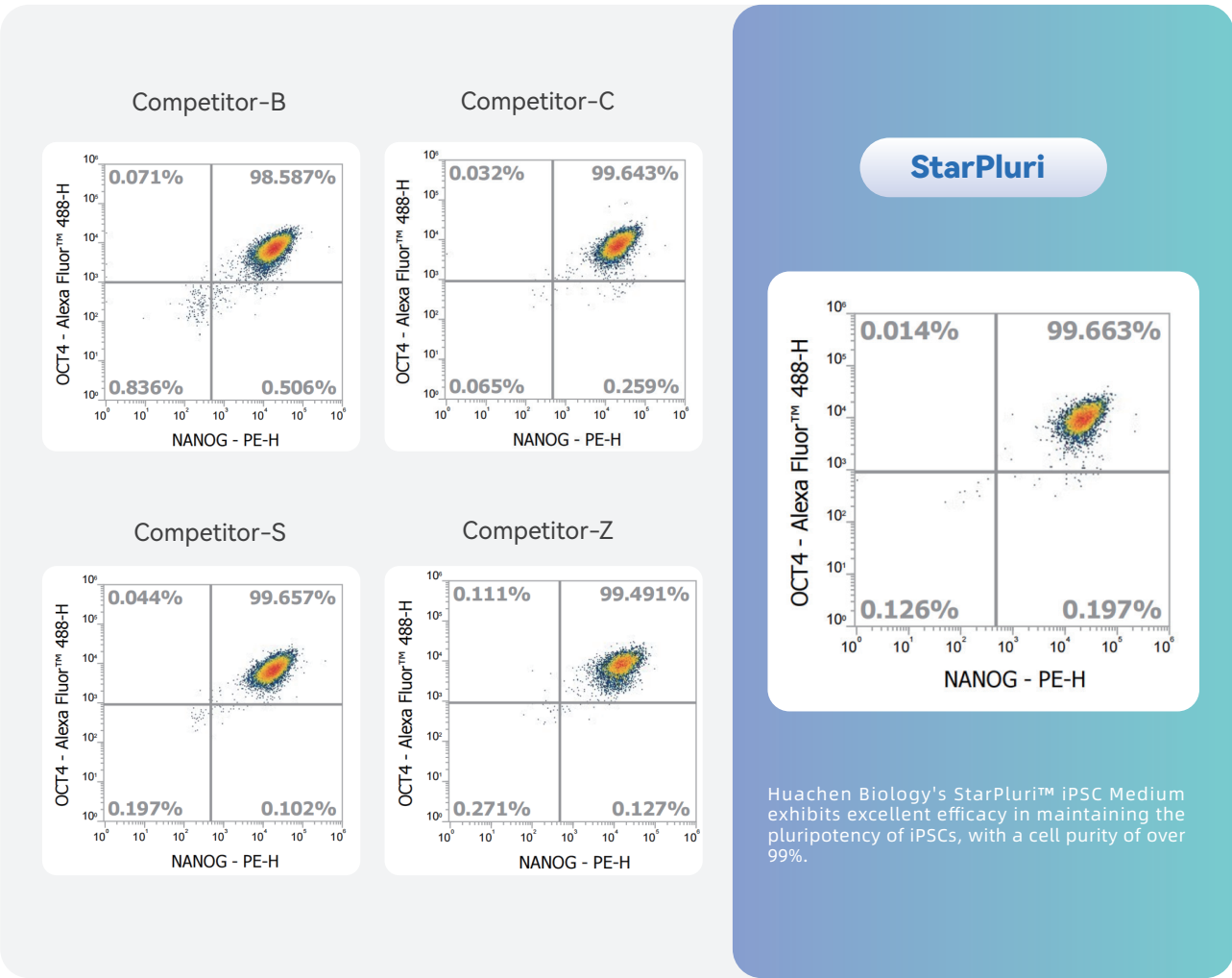
Cell Proliferation Rate



Maintenance of Pluripotency Markers



Maintenance of Pluripotency Markers

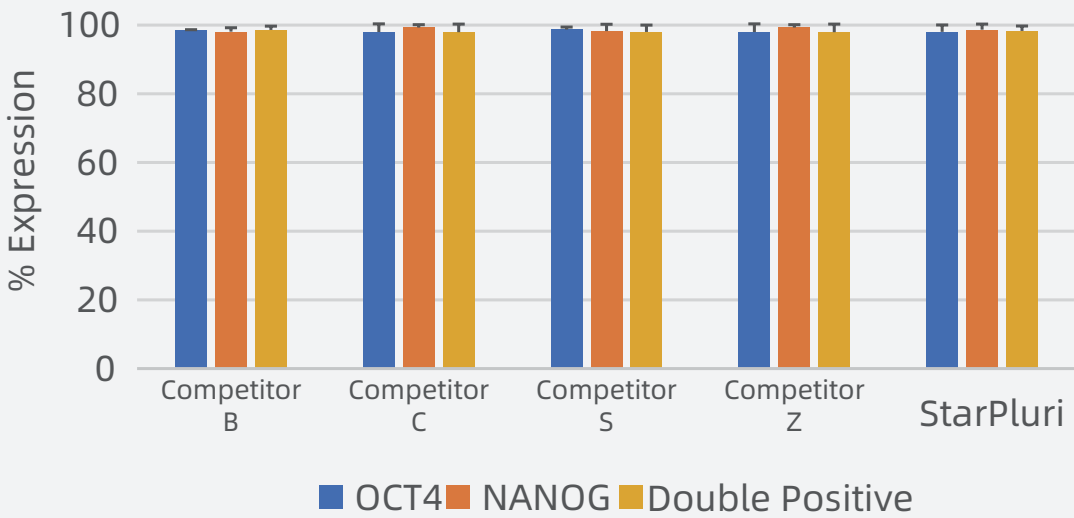


HUACHEN BIO

StarPluri™ Selective Stem Cell Dissociation Reagent

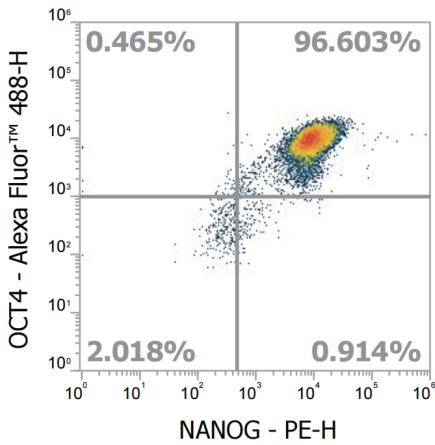
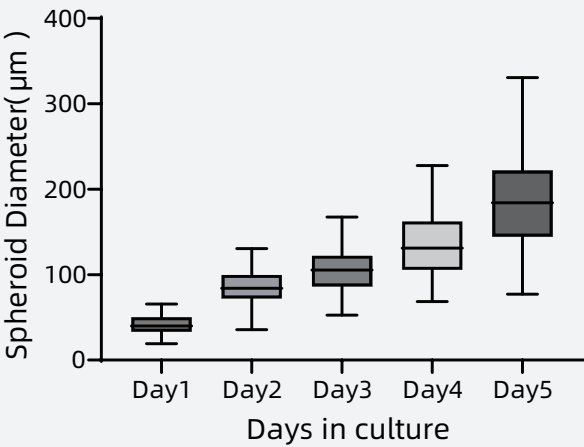
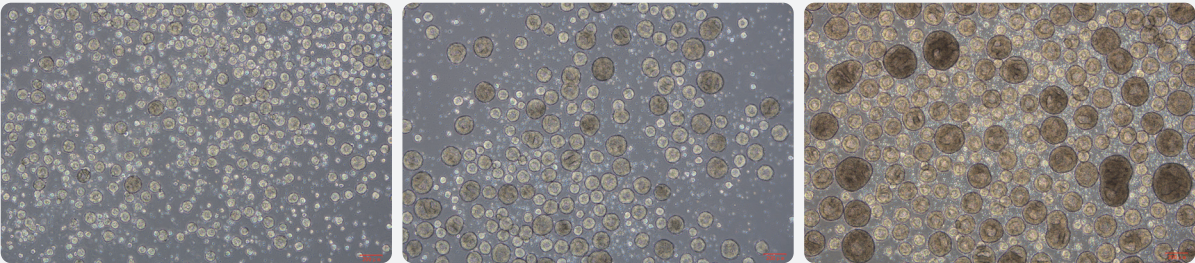


Pluripotency markers



3D Large-Scale Expansion of iPSCs

Huachen Bio StarPluri™ iPSC Medium can be used for the 3D large-scale expansion of induced pluripotent stem cells (iPSCs) without compromising the maintenance of cell pluripotency.



Product Introduction

Huachen Bio (SSCDR)

StarPluri™ Selective Stem Cell Dissociation Reagent

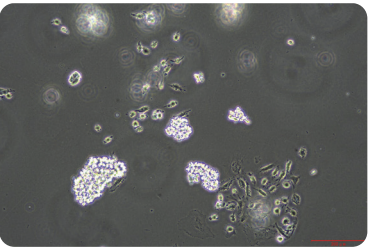
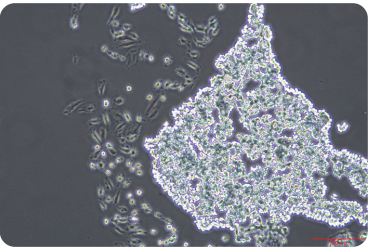
It is a cell dissociation solution designed for the passage of human embryonic stem cells (hESCs) and induced pluripotent stem cells (iPSCs). This dissociation solution has a defined chemical composition, exerts a gentle effect, and contains no digestive enzymes. It supports the long-term passage culture of human pluripotent stem cells, effectively removes differentiated cells without interfering with the maintenance of cell pluripotency, while preserving high cell viability.

Advantages

- 01 Chemically Defined & Enzyme-Free
- 02 Ready-to-Use, Easy to Operate, No Termination Required
- 03 Compliant with GMP Standards
- 04 Used for Dissociating 3D Cultured Cell Spheroids

Product Name	Cat	Specs	Exp	Storage Tem
StarPluri™ Selective Stem Cell Dissociation Reagent	SSCDR-100/500	100 ml / 500 ml	12 M	2~8℃ away from light

Product Performance

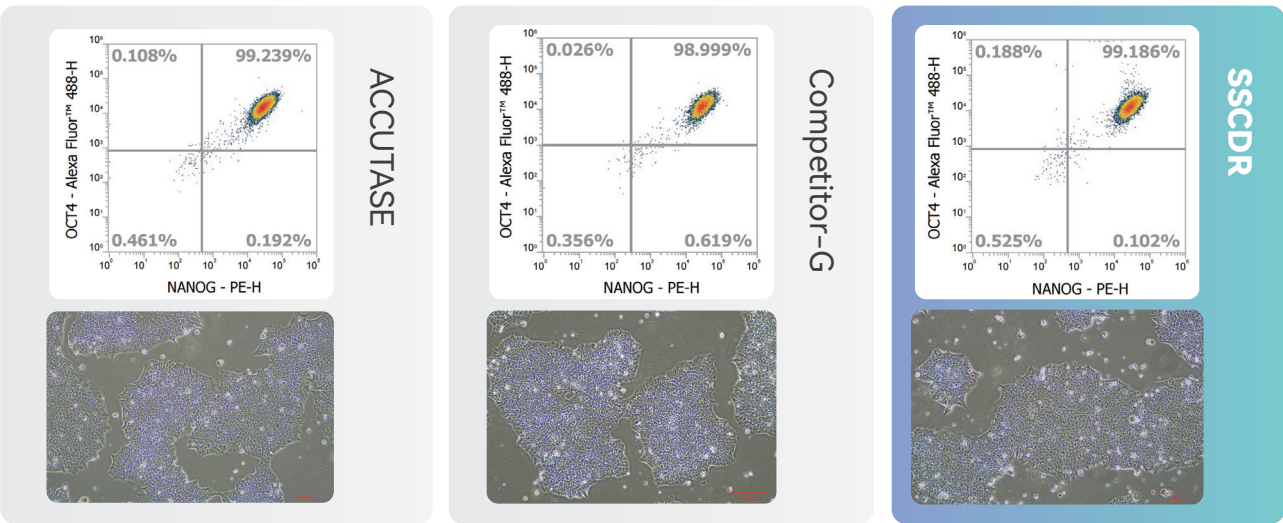


Huachen Bio

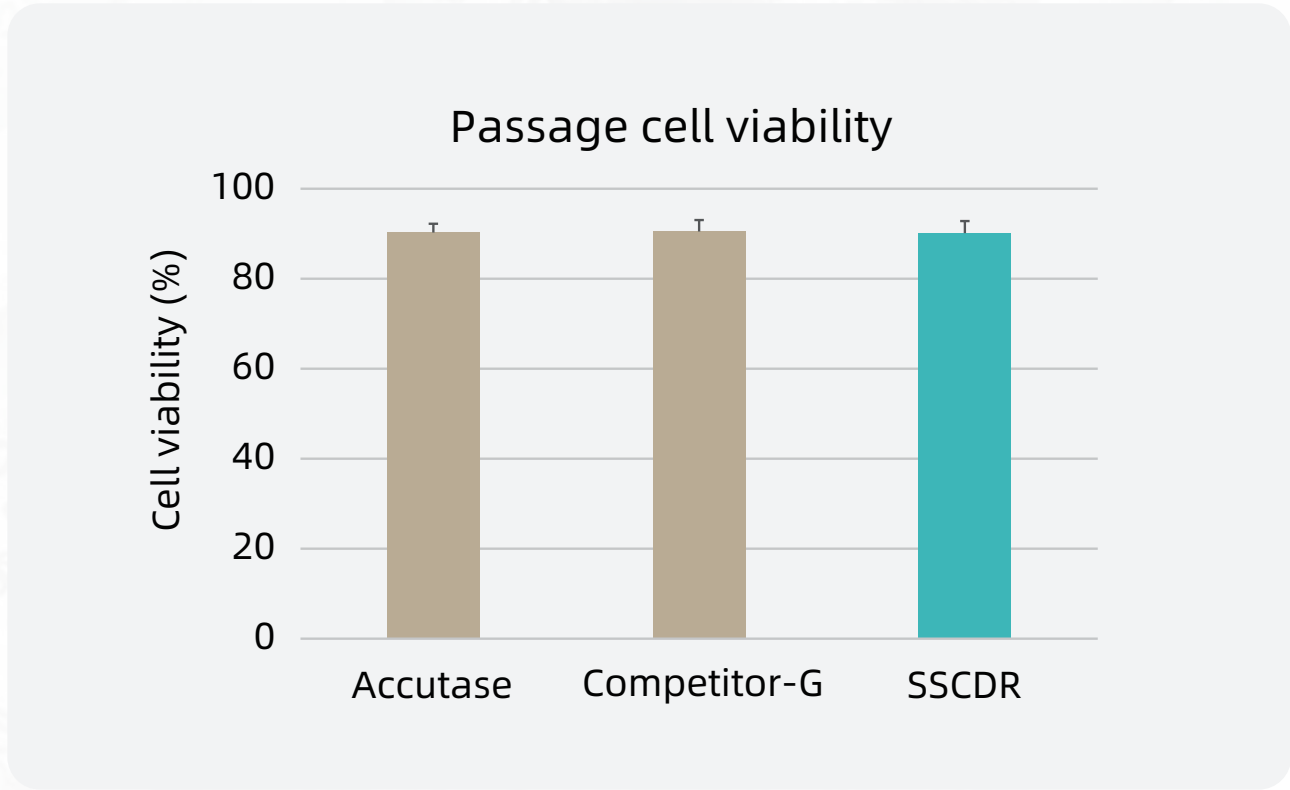
StarPluri™ Selective Stem Cell Dissociation Reagent (SSCDR)

Dissociates human induced pluripotent stem cells (hiPSCs) into cell clumps and effectively removes differentiated cells

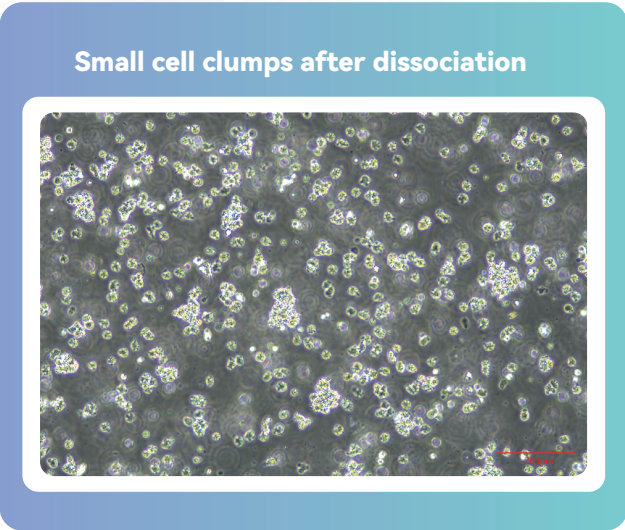
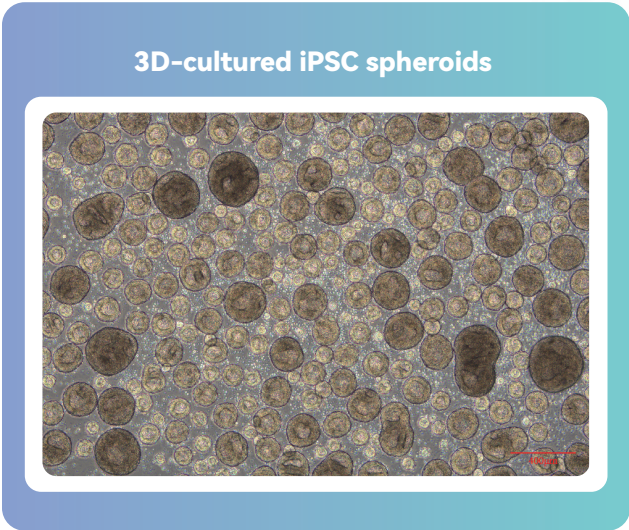
Huachen Bio SSCDR supports the long-term passage of human induced pluripotent stem cells (hiPSCs) without affecting the maintenance of cell morphology and pluripotency.



Passage cell viability



Dissociation of 3D cultured cell spheroids



- ◆ 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: $>2 \times 10^7$ cells;
Cell yield per 10-layer cell factory: $8-10 \times 10^6$ cells
- ◆ Cell diameter: 14-15 μm , smaller than that of similar products on the market
- ◆ GMP level, prepared with water for injection (WFI), endotoxin $< 0.1 \text{ EU/ml}$
- ◆ Independent R&D and production system, stable supply, and high cost-effectiveness



- ◆ 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 $< 0.1 \text{ EU/ml}$



- ◆ 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



- ◆ Gelatin-based composition with flexible porous structure design
- ◆ Particle size ranging from 200 μm to 350 μm
- ◆ All raw materials are derived from pharmaceutical excipients produced in compliance with GMP standards
- ◆ Irradiated and sterilized, ready for direct use
- ◆ Suitable for a variety of adherent cells

