



苏州方舟生物科技有限公司
Biopharmagen Corp.

Biopharmagen Corp., Fangzhou Suzhou




**Clinical-grade cell growth factors &
Human stem cell culture medium**

Innovative

Scientific

Reliable

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 苏州方舟生物科技有限公司



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Recombinant Growth factors

For over 30 years, we have delivered *cutting-edge* recombinant protein technologies, specializing in:

- ✓ Advanced refolding
- ✓ High-efficient purification
- ✓ Clinical-grade biomedical applications



Cytokines are newly launched!


More products coming soon...

Core Advantages

Three Decades of Excellence in Recombinant Protein Production
For **30 years**, we have been at the forefront of:

- ⚡ **Clinical-grade Protein Purity** – Mature, stable processes delivering **>98% purity** with preserved bioactivity.
- ⚡ **GMP-Compliant Manufacturing** – China's **first international-standard GMP** biologics line, guaranteeing **batch-to-batch consistency** for therapeutic applications.
- ⚡ **Bridging Academia & Industry** – Strategic alliances with **top-tier research institutes** to accelerate breakthroughs in **biologics, diagnostics, and cell therapy**.

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Product Catalog

Catalog	Name	Specifications/Price					
C001	recombinant human IL-6	10 µg	\$ 66	50 µg	\$ 250	100 µg	\$ 375
C002	recombinant human IL-3	10 µg	\$ 108	50 µg	\$ 335	100 µg	\$ 418
C003	recombinant human SCF	10 µg	\$ 98	50 µg	\$ 208	100 µg	\$ 383
C004	recombinant human FLT3L	10 µg	\$ 98	50 µg	\$ 208	100 µg	\$ 383
C005	recombinant human TPO	10 µg	\$ 80	50 µg	\$ 300	100 µg	\$ 458
C006	recombinant human GM-CSF	10 µg	\$ 80	50 µg	\$ 368	100 µg	\$ 533
C007	recombinant human G-CSF	10 µg	\$ 158	50 µg	\$ 398	100 µg	\$ 533

More premium cytokines and bioactive enzymes coming soon...

Product Features

Premium Bioactivity



Potency:
ED₅₀ < 0.1 ng/mL

Low Endotoxin



endotoxin <0.1
EU/µg, by LAL

Exogenous-free



no exogenous genes
or proteins were
introduced

Clinical-grade Purity



≥98%,
by HPLC

High Stability



≥ 1-year stability
under recommended
storage conditions

Ready To Use



optimized
formulation-no
reconstitution
required





Clinical-Grade Human Hematopoietic Stem Cell Xeno-free Expansion Kit

20 Years Pioneering Stem Cell Differentiation Technologies
Proprietary Platform | Peer-Validated Excellence



➤ Clinical-Grade Human Hematopoietic Stem Cell Xeno-free Expansion Kit

✓ **Universal Compatibility** – Optimized for UCB, BM, and mPB-derived HSCs with **>50-fold expansion efficiency**

✓ **Xeno-Free & Feeder-Free** – Contains precisely balanced:

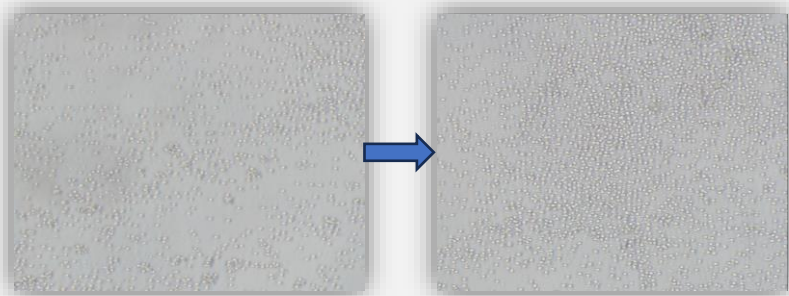
Clinical-grade and optimized cytokine cocktail
Metabolic regulators

✓ **Functional Integrity** – Expanded HSCs retain:
Engraftment capacity & Multilineage potential
(verified in non-human primate model)

**Freedom to combine,
power to customize*

Catalog	Name	Specifications/Price	
M001	Human Stem Cell Basal Medium + Nutritional Supplement	100 mL	\$ 168
CC01	CD34+ Expansion Supplement	1000 ×	\$ 133
SC01	CD34+ Differentiation Inhibitors	1000 ×	\$ 88

➤ Human Hematopoietic Stem Cells Cultured *in vitro*



Day 0

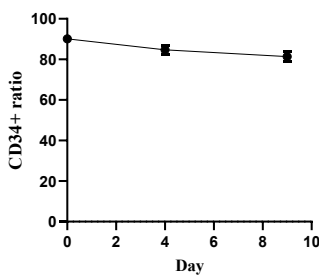
Day 6



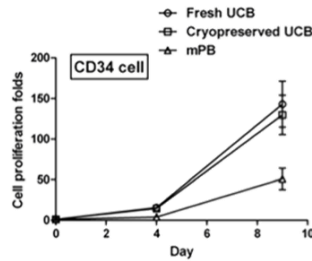
➤ Highlights

- ✓ **Serum-Free:** Eliminates batch variability and reduces pathogen contamination risks.
- ✓ **Stemness:** Significantly suppresses spontaneous differentiation, maintains >90% CD34+ purity and multipotency.
- ✓ **Ready-to-Use:** Presterilized, pre-mixed formulation for streamlined workflow.
- ✓ **Regulatory-Compliance:** Suitable for research, drug screening, and cell therapy development.

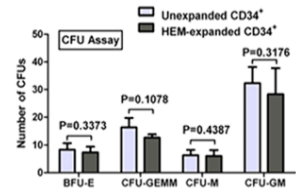
➤ Data Support



a: Percentage of CD34 cells in the total cell population



b: Expansion was calculated as fold increase (after/before expansion) in cell counts on each day



c: Types of CFU colonies formed from the hematopoietic stem/progenitor cells before/after expansion. Methods.

1. Wang L, Guan X, Wang H, et al. A small-molecule/cytokine combination enhances hematopoietic stem cell proliferation via inhibition of cell differentiation [J]. Stem Cell Research & Therapy, 2019.
2. Zhang Y, Shen B, Guan X, et al. Safety and efficacy of ex vivo expanded CD34+ stem cells in murine and primate models [J]. Stem Cell Research & Therapy, 2019.
3. Jiang Yongping. High-Efficiency Ex Vivo Expansion Medium for Human Hematopoietic Stem Cells: CN201410066574.9 [P]. CN201410066574.9.

➤ Choose Us

Animal Component-Free: Fully defined, xeno-free formulation eliminates immune rejection and viral contamination.

High-Efficiency & Stable Expansion: Supports robust proliferation of HSCs derived from umbilical cord blood (UCB), bone marrow (BM), and mobilized peripheral blood (mPB) within short-term culture.

Customized Solutions: Tailored culture optimization services available for specific research or clinical applications.





Clinical-Grade Megakaryocyte/Platelet Directional Differentiation Kit

20 Years Pioneering Stem Cell Differentiation Technologies
Proprietary Platform | Peer-Validated Excellence



➤ Clinical-Grade Megakaryocyte/Platelet Directional Differentiation Kit

✓ **Universal Compatibility** – Specifically optimized for UCB, BM, and mPB-derived HSCs to expand and differentiate into megakaryocytes/platelets with high-efficiency

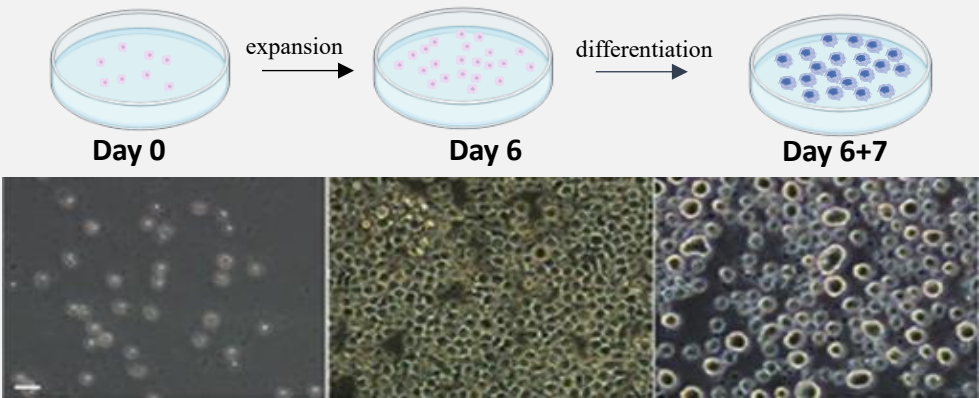
✓ **Xeno-Free & Feeder-Free** – Contains precisely balanced:
Clinical-grade and optimized cytokine cocktail
Metabolic regulators

✓ **Functional Integrity**

Catalog	Name	Specifications/Price	
M001	Human Stem Cell Basal Medium + Nutritional Supplement	100 mL	\$ 168
CC02	Megakaryocyte Expansion & Differentiation Supplement 1	1000 ×	\$ 133
CC03	Megakaryocyte Expansion & Differentiation Supplement 2	1000 ×	\$ 168

**Freedom to combine,
power to customize*

➤ Hematopoietic Stem Cell Directional Differentiate into Megakaryocytes/Platelets



➤ Product Highlights

Xeno-Free Formulation

Eliminates batch-to-batch variability and xeno-contamination risks, ensuring reproducible experiments

High-Efficiency Expansion

Optimized cytokine cocktail enables scalable production of high-viable megakaryocytes

Advantages and Highlights

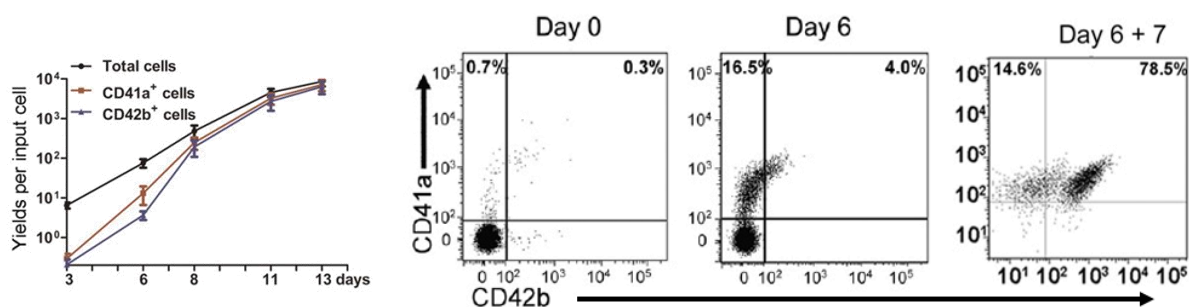
Directional Differentiation

Proprietary formulation drives lineage-specific commitment of HSCs to megakaryocytes

Universal Compatibility

Validated for multiple HSC sources (UCB/BM/mPB) to address diverse research requirements

➤ Data Support



a: Yields of total cells, CD41a⁺ cells, and CD42b⁺ cells per input cryopreserved human cord blood CD34⁺ cell

b: Representative flow cytometry of CD41a and CD42b cell surface markers on expanded cells

1. Guan X, Qin M, Zhang Y, et al. Safety and Efficacy of Megakaryocytes Induced from Hematopoietic Stem Cells in Murine and Nonhuman Primate Models[J]. Stem Cells Transl Med, 2017.
2. Guan Xin. Large-scale in vitro megakaryocyte production with comprehensive preclinical safety and efficacy evaluation[D]. Peking Union Medical College, 2018
3. Jiang Yongping, Guan Xin, Qin Meng, etc. Methods and Systems for Generating Megakaryocytes and Platelets from Human Hematopoietic Stem Cells. 2019



Contact Us

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Made in 2025