



Serum Free Medium

Providing Innovative Reagents for Life Sciences Science 2006

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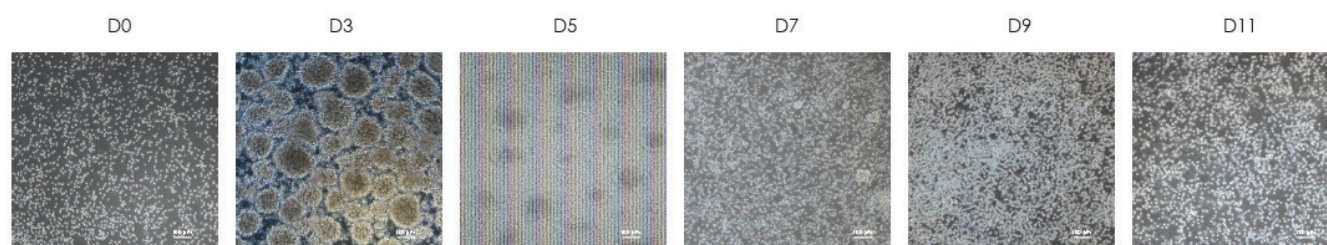
ArtMedia[®] Human T Cell Serum-Free Medium (GMP Grade, with/without phenolic red)

Features

- Independent research and development
- Serum-free and xeno-free medium
- Suitable for rapid expansion and high-density culture of T-cells
- Can be paired with a variety of T cells activation methods (antibody soluble method, antibody-coated method, magnetic bead conjugate antibody method)
- Production and management with GMP standards

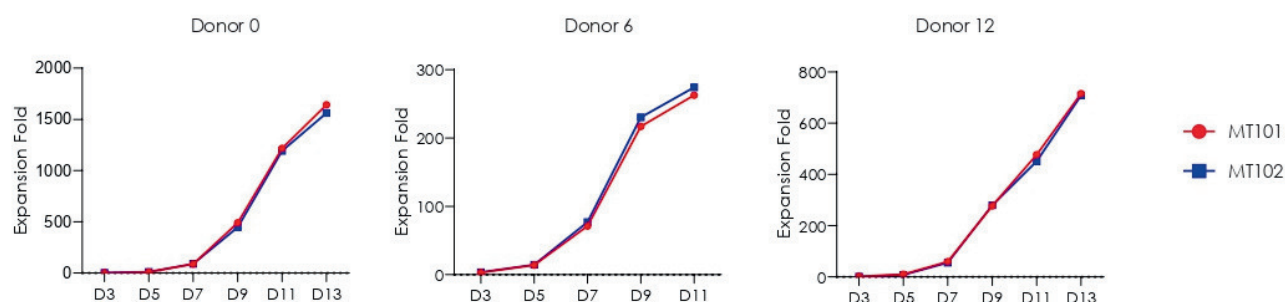
Experiment Data

Good T-cell Morphology

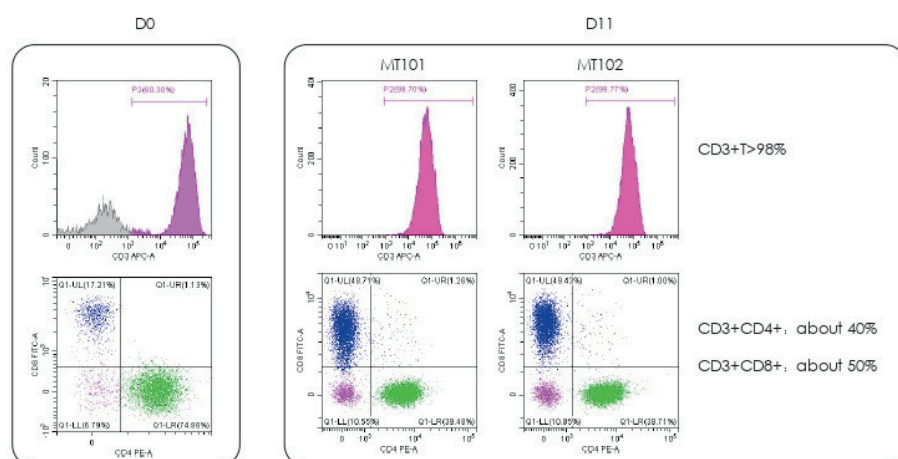


Scale: 100 μm

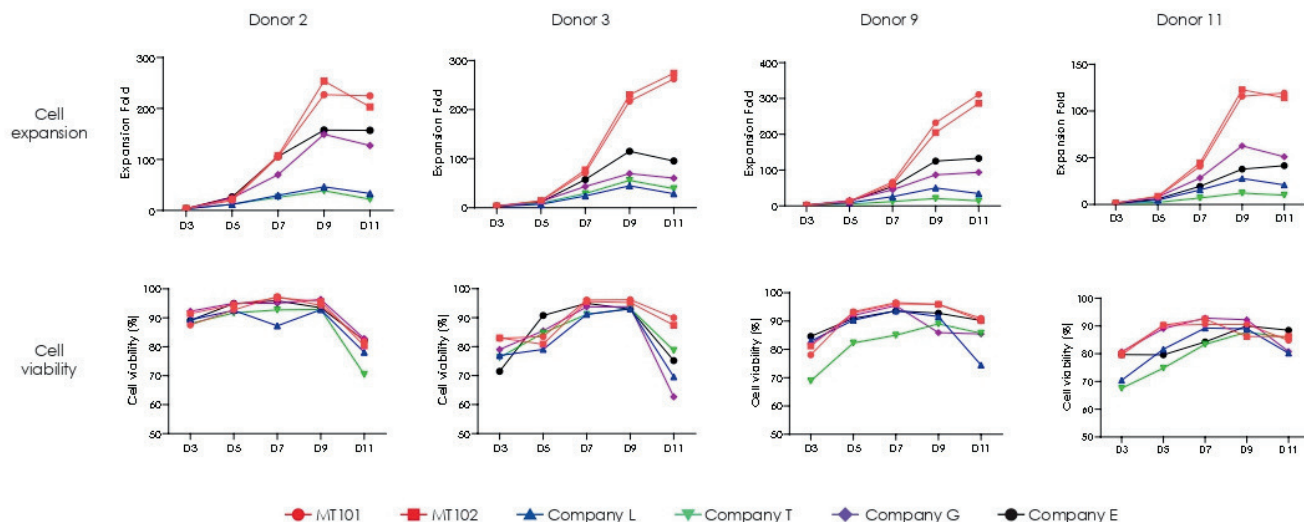
Supported robust and rapid expansion of T cells, resulting in a 200 to 300-fold increase over a continuous 11- to 13-day culture period.



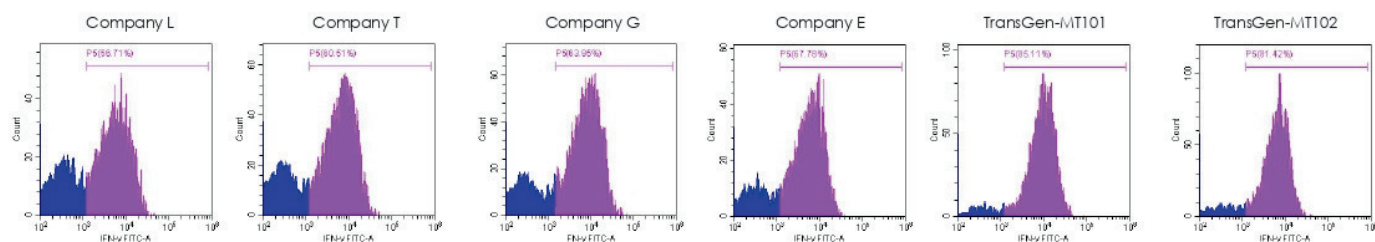
CD3⁺ T cells comprised >98% of the population, and the proportion of CD4⁺CD8⁺ T cells was sustained.



Strong proliferation capacity, high cell viability



Enhanced IFN- γ Secretion and Tumor Killing



ArtMedia[®] Human NK Cell Serum-Free Expansion Kit (MK101)

Features

1. Safety and Stability

Xeno-Free & Chemically Defined: Contains no animal-derived components and has a fully defined chemical composition.

Serum-Free: Requires only a small amount of inactivated autologous plasma.

Cytokine Kit Format: A pure cytokine reagent kit; does not require the use of feeder cells.

Contains phenol red. Formulated without antibiotics.

2. Powerful Expansion Capability

After 14 days: Total cell count expands 100-250 fold; NK cell count expands 1,000-3,000 fold.

After 21 days: Total cell count expands 200-500 fold; NK cell count expands 3,000-8,000 fold.

3. High NK Cell Purity

After 14 days: Purity of CD3⁺CD56⁺ cells $\geq$ 90%; Purity of CD3⁺CD56⁺CD16⁺ cells $\geq$ 85%.

After 21 days: Purity of CD3⁺CD56⁺ cells $\geq$ 95%; Purity of CD3⁺CD56⁺CD16⁺ cells $\geq$ 90%.

4. Potent NK Cell Cytotoxicity

Demonstrates high tumor-killing activity against cancer cell lines.

5. Operational Excellence and Cost-Effectiveness

Simple & Scalable: Easy to use and highly suitable for industrial-scale production.

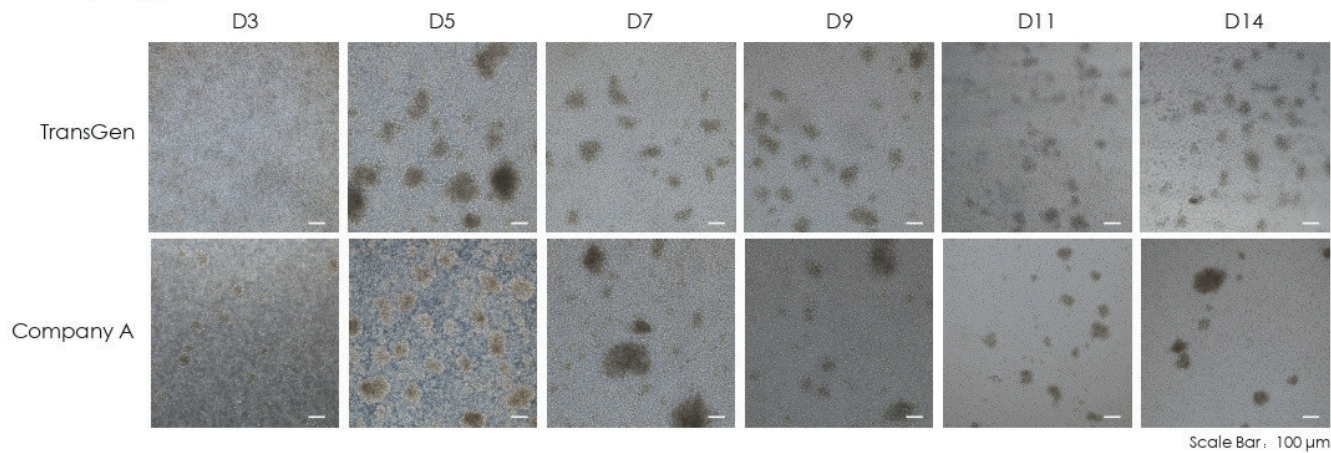
High Cost-Effectiveness: Offers superior performance at an optimized cost.

GMP Compliance: Manufactured and managed in accordance with GMP standards.

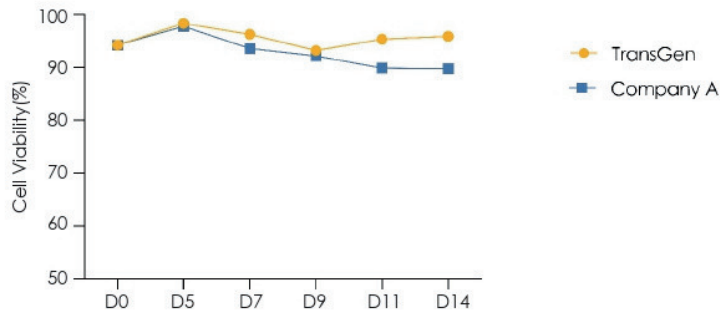
Experiment Data

20 mL fresh heparinized peripheral blood cultured in a 1 L culture system

Cell Morphology



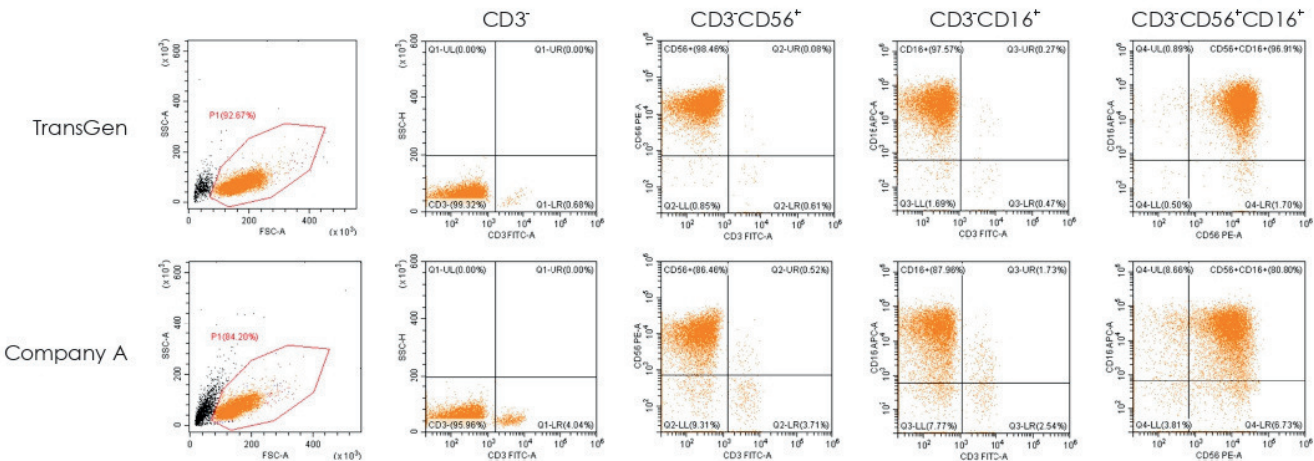
High Cell Viability



High fold expansion

Product Used	Time	Medium Volume (mL) (mL)	Cell Number(×10 ⁷ cells)	Total Cell Fold Expansion	NK Cell Fold Expansion
TransGen	D0	10	1.94	1	1
	D5	70	3.49	1.8	/
	D7	200	21	10.82	136.94
	D9	550	53.5	27.58	373.42
	D11	1000	95.8	49.38	684.89
	D14	1000	215.2	110.93	1569.18
Company A	D0	20	1.94	1	1
	D5	80	5.29	2.73	/
	D7	275	23.46	12.09	102.26
	D9	525	59.4	30.62	311.5
	D11	1000	124	63.92	745.86
	D14	1000	203.6	104.95	1303.71

High Purity

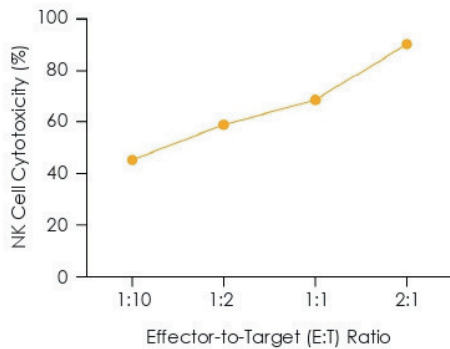


30 mL of fresh heparin-anticoagulated peripheral blood cultured in a 2 L system

High cell viability, high fold expansion, high purity

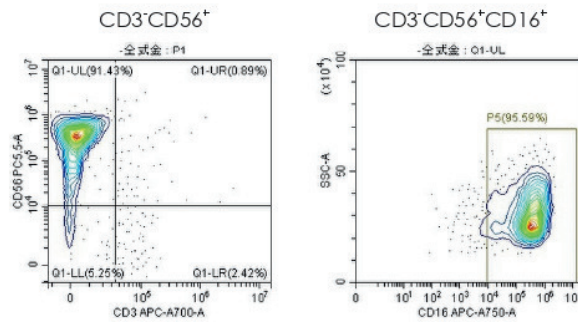
Time	Medium Volume (mL)	Cell Viability(%)	Cell Number($\times 10^7$ cells)	Total Cell Fold Expansion	NK Cell Fold Expansion	CD3 ⁺ CD56 ⁺	CD3 ⁺ CD16 ⁺	CD3 ⁺ CD56 ⁺ CD16 ⁺
D0	20	91.89	3.6	1	1	10.02	10.64	8.97
D5	160	95	10.75	2.99	/	/	/	/
D7	500	95.74	62.61	17.39	146.98	84.68	54.74	51.95
D9	1200	92.83	195.6	54.33	496.48	91.56	87.41	86.25
D11	2000	91.84	408.8	113.56	1085.92	95.82	94.36	91.84
D14	2000	94.13	720	200	1973.85	98.89	96.76	96.15

Potent and Highly Efficient Killing Activity



30 mL fresh sodium citrate-anticoagulated umbilical cord blood

The 20-day culture yielded ~10 billion highly viable (>90%) and potently cytotoxic cells

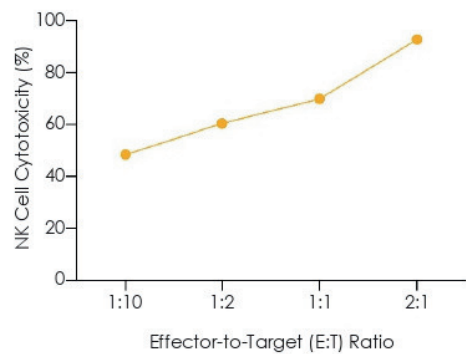


Frozen PBMCs: 2.12×10⁷ cells in 1 L culture system

High cell viability, high fold expansion, high purity

Time	Medium Volume (mL)	Cell Viability (%)	Cell Number (×10 ⁷ cells)	Total Cell Fold Expansion	NK Cell Fold Expansion	CD3 ⁺ CD56 ⁺	CD3 ⁺ CD16 ⁺	CD3 ⁺ CD56 ⁺ CD16 ⁺
D0	10	88.09	2.12	1	1	4.09	4.12	4.06
D5	70	95.56	4.17	1.97	/	/	/	/
D7	200	98.06	14.26	6.73	72.35	59.17	53.62	50.69
D9	550	98.27	60.64	28.6	389.95	71.91	70.19	70.97
D11	1000	92.16	127	59.91	1277.85	83.79	82.71	81.36
D14	1000	92.86	255	120.28	3018.77	95.31	95	95.02

Potent and Highly Efficient Killing Activity



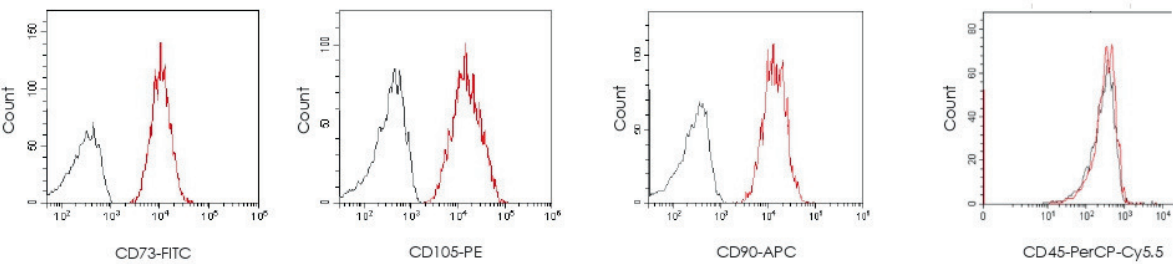
Human MSC Characterization Kit (HF001)

Features

- Staining was performed using a multicolor flow cytometry panel containing four antibodies: CD73, CD105, CD90, and CD45.
- The protocol is designed to minimize the number of cells required for the assay.
- The assay is highly specific, user-friendly, and suitable for the identification of MSCs from various tissue sources.

Experiment Data

Identification of Mesenchymal Stem Cell Surface Markers



TransStem[®] Chemically Defined Xeno-free Cell Cryopreservation Medium-Protein Free (MC102)

Features

- Safety: Serum-free, xeno-free, protein-free, chemically defined.
- High efficiency: Significantly enhances cell revival rates, with revival rates exceeding 90% for mesenchymal stem cells.
- Stability: Does not affect the phenotype and growth status of stem cells, while maintaining their multipotency.
- Convenience: Ready-to-use product, no need for programmed cooling, can be directly transferred to liquid nitrogen for long-term storage after overnight storage at -80°C.
- Reliability: Suitable for the cryopreservation of various cells, including stem cells, immune cells, tumor cells, etc.

Differences from traditional serum-containing cell cryo-preservation solutions

Differences	Traditional serum-containing cell cryopreservation solution	Serum-free, protein-free cell cryopreservation solution (containing DMSO)
Serum	Yes	No
Protein	Yes	No
Clear chemical composition	Uncertain	Certain
Cooling program	Require	Not required
Cryopreservation solution preparation	Use immediately after preparation	Ready to use, store at 4°C
Revival rate	Normal	Outstanding (support high concentration cryopreservation)
Difference between batches	High	Low
Risk of carrying virus	Yes	No
Applicable to clinical research	No, containing animal serum and protein	Yes, clear chemical composition, no animal-derived substances, protein-free

TransStem[®] Chemically Defined Xeno-free Cell Cryopreservation Medium III-DMSO Free, Protein Free (MC131) (Completely Using Pharmaceutical Grade Materials)

Features

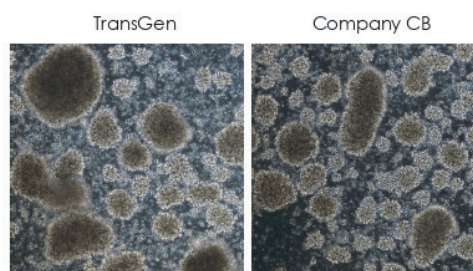
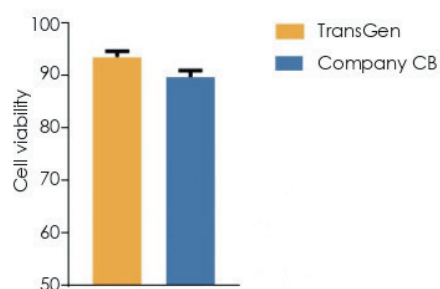
- Safety: Serum-free, xeno-free, protein-free, DMSO-free, clear chemical component, completely using pharmaceutical grade materials, with complete toxicity test.
- High efficiency: Effectively improves cell recovery viability, with over 90% recovery rate for most cells (including mesenchymal stem cells and immune cells).
- Stability: Does not affect stem cell phenotype and growth status, while maintaining stem cell pluripotency.
- Convenience: Ready-to-use product, no programmed cooling required, can be directly transferred to liquid nitrogen for long-term storage after overnight storage at -80°C.
- Reliability: Suitable for cryopreservation of various cells including stem cells, immune cells, tumor cells, and transformed cell lines.

Data

Differences from traditional serum-containing cell cryopreservation solutions

Differences	Traditional serum-containing cell cryopreservation solution	Serum-free, protein-free, DMSO-free cell cryopreservation solution
Serum	Yes	No
Protein	Yes	No
DMSO	Yes	No
Clear chemical composition	Uncertain	Certain
Cooling program	Require	Not required
Cryo-preservation solution preparation	Use immediately after preparation	Ready to use, store at 4°C
Revival rate	Normal	Outstanding (support high concentration cryo-preservation)
Difference between batches	High	Extremely low
Risk of carrying virus	Yes	No
Apply for pharmaceutical excipients	Apply for pharmaceutical excipients	Apply for pharmaceutical excipients
Applicable to clinical research	No, containing animal serum and protein	Yes, clear chemical composition, xeno-free, protein-free

CD3+T cells cryopreservation



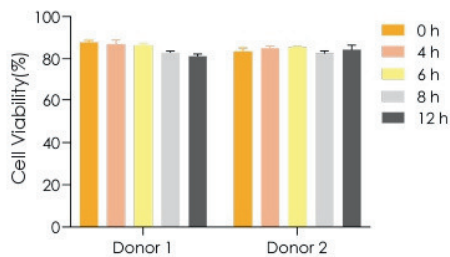
TransStem[®] Natural Killer Cell Cryopreservation Medium—Protein Free (MC105)

Features

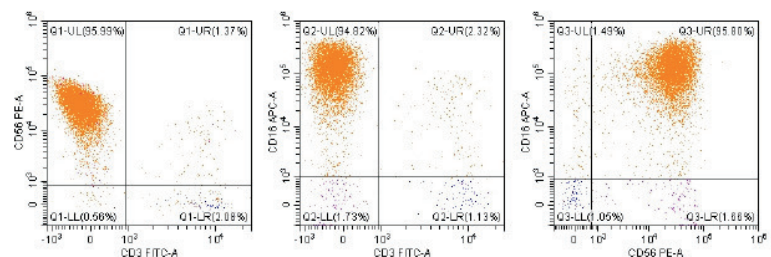
- Safety: Serum-Free, Animal-Component Free, Protein-Free, Chemically Defined, Pharmaceutical-Grade Ingredients, Ultra-Low Endotoxin, < 0.1 EU/mL.
- High efficiency: Effectively increases post-thaw cell viability and supports high-density NK cell cryopreservation. Validated for >85% viability and >80% recovery rate after 3 years of storage.
- Good Stability: minimize post-thaw apoptosis, ensuring sustained cell health and function after resuscitation.
- Ready-to-Use: Compatible with controlled rate freezing protocols and supports direct storage at -80°C.

Experiment Data

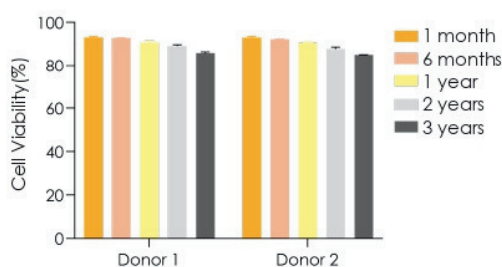
>80% Viability at 12h Post-Thaw



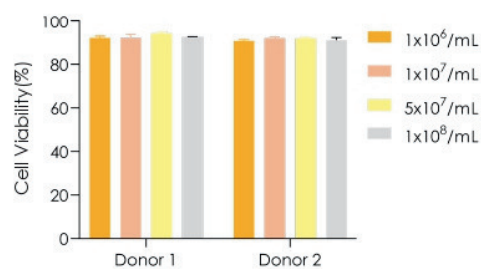
Normal Surface Marker Phenotype After 1-Year Cryopreservation



>85% Viability After 3 Years



High-Density Cryopreservation Support



How to navigate through our website?

Homepage: When you first visit our website, you'll land on the homepage. This is where you can find an overview of our services, products, or any important announcements. From here, you can navigate to other sections of the website.

Consult our catalog and services

Choose your Country

Log in to your account

Choose your language

View Cart

Search for a product by description, reference, CAS, Number, target...

The screenshot shows the Clin Sciences homepage. At the top, there's a navigation bar with links: 'Consult our catalog and services', 'Choose your Country' (set to France), 'Log in to your account', 'Choose your language' (with options FR, EN, ES, DE, IT, PT, NL), and 'View Cart' (showing 0 items). Below the navigation bar is a search bar with the placeholder text 'Search for a product (description, reference, CAS number, target ...)'. The main content area features a large banner for 'upcyte® cells' with the text 'Expanded primary cells' and a 'More information' button. Below the banner is a 'Categories' section with a grid of product categories: Cell-based assay kits, Culture flasks, Culture supports for microscopy, Detection kits for IHC, FPLC Columns, Histological special stains, Immunoassays, Lectins, Next Generation Sequencing (NGS), Plant tissue culture, and Radiochemicals. A 'More categories...' button is also present. A link 'All our products' is located at the top right of the categories section.

Search Bar: Look for specific Products and equipment

Search by selecting either RUO or IVD products

Refine your search by choosing from the following options

Apply Filter

Search for a product (description, reference, CAS number, target ...)

Search result : 39126007 product found

Cat#	Description	Cond.
NB-45-00042-100	Super Ni-NTA Agarose Resin	100ml
NB-45-00042-25	Super Ni-NTA Agarose Resin	25ml
NB-45-00058-4	Proteus 1 -step Batch Mini Spin Column Pack	40pc
NB-12-6001-3	NeoLine pipette 2-20 µl	1unit
NB-12-0023C	Mini Centrifuge N500C @10,000rpm (Including 6x1.5/2.0ml angle rotor)	1pcs
NB-03-0160	Proteinase K (Powder)	100mg
NB-60-0001	NeoPrep mini	50columns
NB-12-8001-19	Combs for NeoPRO4 mini (1.5mm, 15 wells)	5pieces
NB-12-8001-20	Spacer glasses flat for NeoPRO4 mini (0.75mm, 100*83mm)	5pieces
NB-12-8001-04	Short glasses flat for NeoPRO4 mini (1.0mm, 100*73mm)	10pieces

Refine your search :

☒ RUO ☐ CE / IVD

Conjugate (100) +

Reactivity species (100) +

Class (66) +

Host species (100) +

Cell name (2) +

Application (100) +

Clone (100) +

APPLY FILTERS

REINITIALIZE

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