



NB-KUL™ DF Cryopreservation Medium

Custom DMSO-Free and Chemically-Defined Cryomedia to Support Your Research and Commercial Goals



NB-KUL™ DF Cryopreservation Medium

DMSO-Free, Chemically Defined, Xeno-Free, and Serum-Free

There are many cryomedia options on the market today. However, most contain various amounts of DMSO which can present significant challenges in cell and gene therapy development due to its cytotoxicity and potential impact on cells and patients. Furthermore, formulations and packaging of most media are locked and proprietary and do not provide developers with the opportunity or flexibility for customization. Part of our QuickStart Media™ platform, [NB-KUL DF](#) is customizable and offers convenience and cost advantages.

Customizable

Start with our pre-optimized cryomedia formula or use it as a base to adjust to your process needs in terms of packaging configurations, quality, and overall composition.

Proven Performance

Tested for the cryopreservation of PBMCs, T cells, NK cells, MSCs, and HEK cells, NB-KUL DF delivers equivalent or superior performance to industry-leading cryopreservation media.

Transparent Process

Know every component and concentration and adjust any aspect to match your stage of development, making iteration and scale-up seamless.

QuickStart Media™: A Platform Designed For You!

Get a head start in your development with pre-optimized samples that can be customized specifically to meet your needs. Building an optimized media is complex and time-consuming. Designed to serve as a "seed" formulation for development, this service will help streamline the formulation process of in-demand media products and truly expedite your cell therapy projects.

Step 1

Order RUO sample of our specialized cell culture formulations.

Step 2

Test the performance of the medium and review the data.

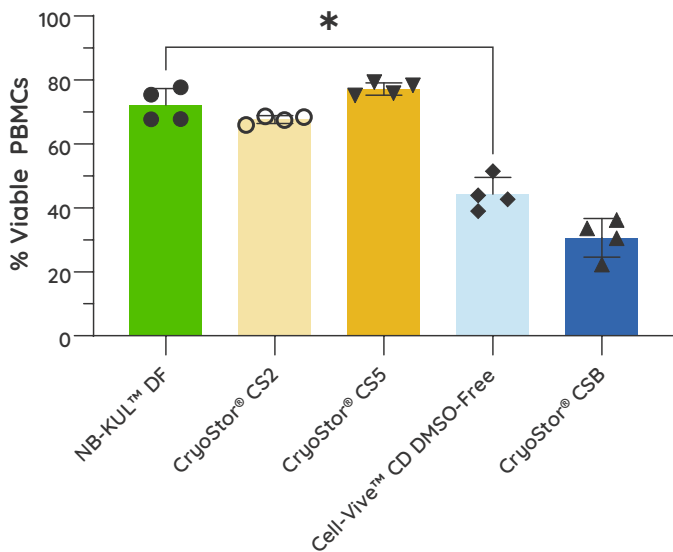
Step 3

Collaborate with our Services team to tailor the media to meet your needs.

Learn more about our [QuickStart Media platform](#) ↗

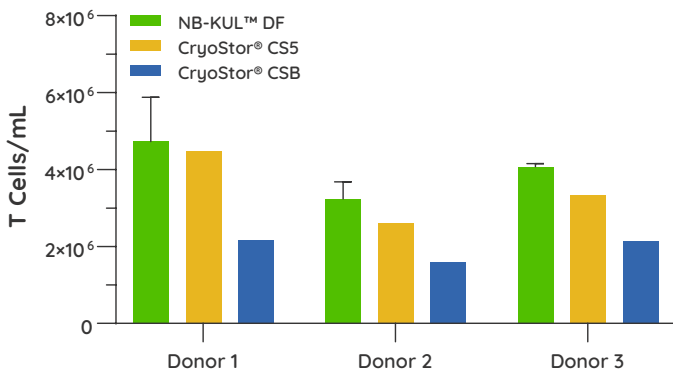
DMSO Performance Without the DMSO

Maintain Viability Equivalent to DMSO Containing Media



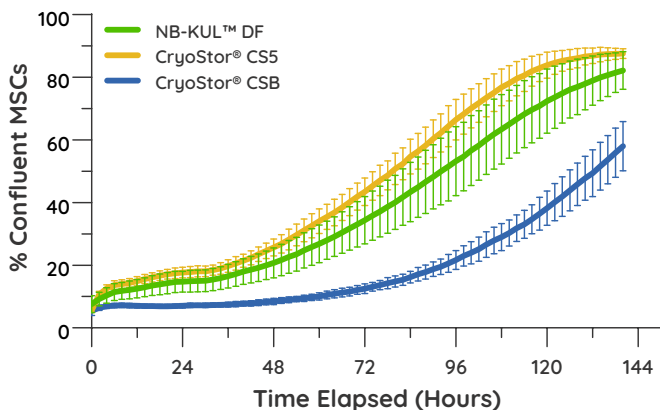
NB-KUL DF maintains cell viability at equivalent levels as CryoStor® CS2 and CryoStor® CS5, and is significantly better than both Cell-Vive™ CD DMSO-Free and CryoStor® CSB cryopreservation media after a freeze-thaw cycle with PBMCs. Cell recovery and expansion (assessed but not shown) is also comparable.

Recover More Cells Post Thaw



NB-KUL DF supports superior recovery post thaw in a T cell model when compared to CryoStor® CS5 and CryoStor® CSB. Viability and population doubling are also comparable with T cells.

Promote Robust Proliferation Post Thaw



An analysis of cell expansion using MSCs demonstrates significantly better growth post-thaw when cells were stored in NB-KUL DF compared to CryoStor® CSB. When compared to CryoStor® CS5, NB-KUL DF performs equivalently demonstrating that viability and health of stored cells is achieved in the absence of DMSO. Post-thaw viability and cell count in MSCs (assessed but not shown) show comparable results.

Read Our White Paper

Review NB-KUL DF's performance compared to other industry-leading cryomedia.

[Download our white paper](#)

NB-KUL™ DMSO-Free Cryopreservation Media Ordering Information

Catalog Number	Product Name	Contents	Size	Price
2103	NB-KUL™ DF RUO Sample	DMSO-free, chemically defined cryopreservation medium.	100 mL	\$299
N/A	NB-KUL™ DF Custom	DMSO-free, chemically defined cryopreservation medium.	Custom	Inquire

Product Specifications (RUO Sample)

Classification	Xeno-free, serum-free
Quality	Research use
Sterility	Sterile filtered through a 0.2 micron filter
Format	Liquid
Volume	100 mL
DMSO Level	None
pH	6 to 8
Shipping Conditions	2–8°C
Storage Temperature	2–8°C
Research Category	T cell research, stem cell research, NK cell research, gene therapy, viral vector

Our Commitment to Quality

- Manufactured in a GMP environment
- Manufacturing practices certified to ISO 13485:2016
- Licensing options available

