



CORD BLOOD UNITS FOR ALLOGENEIC SOURCE MATERIAL

Off-the-shelf cord blood units (CBUs) are a rich source of cells for use in the development of allogeneic cell and gene therapies. However, CBUs with the characteristics you need may be spread across multiple cord blood banks. Understanding which cord blood banks have the CBUs that meet your requirements is a challenge. And qualifying and contracting with each one takes time and resources.

We take out the guesswork and streamline the process. We offer a central point to access fully characterized CBUs through our network of member cord blood banks.

Fully characterized CBUs on the NMDP RegistrySM

The NMDP Registry lists more than 268,000 cord blood units. Our registry database contains extensive information about each CBU to allow for therapy-matched unit identification.

Specifications available for cord blood units include:

- Total nucleated cell (TNC) count
- CD34+ count
- Viability
- Volume
- HLA type
- Blood type
- Donor eligibility safety profile
- Unit age
- Licensed/non-licensed

Cryopreserved cord blood units available for non-clinical, clinical and commercial use

Clinical and commercial use		Non-clinical use
Licensed cord blood unit	Unlicensed cord blood unit	Research use only
Manufactured as a GMP-grade cellular product	Manufactured as a GMP-grade cellular product	Manufactured as a GMP-grade cellular product
Meets donor eligibility and safety requirements for use in humans	Meets donor eligibility and safety requirements for use in humans	Similarly manufactured and characterized, but does not meet eligibility and safety requirements for use in humans
Meets FDA licensure requirements for allogeneic transplant	Missing one or more specifications required in the BLA to support allogeneic transplant	Intended for: <ul style="list-style-type: none"> • Validating, qualifying and investigating internal procedures and processes • Engineering runs
Must be released for licensed indication (currently HPC reconstitution) or under IND if off-label	Must be released under IND if intended for use in humans	



Cord blood banks must meet rigorous participation requirements reviewed annually

Member cord blood bank participation requirements	
Accredited by AABB or NetCord-FACT	Abide by NMDP SM Standards
Meet NMDP SM Member Cord Blood Bank Participation Criteria	Meet Quality System essentials such as Facility, Personnel, Administration and Support Services requirements
Have at least 500 HPC(CB) units meeting NMDP SM Current Inventory Requirements for New Cord Blood Units	Comply with WMDA Standards

Value of working with NMDP BioTherapiesSM to source CBUs

Our team has decades of experience qualifying and contracting with cord blood banks. This allows us to provide streamlined contracting and qualification of cord blood banks because we have deep knowledge of cord blood bank processes and procedures and existing agreements with qualified suppliers. That means you don't have to spend time qualifying multiple suppliers.

When you work with NMDP BioTherapies you have access to the robust capabilities of our Bioinformatics team for cord blood bank inventory analysis.

In addition, our experienced team uses our established logistics and supply chain management process to coordinate the safe transport and delivery of the delicate cryopreserved CBUs.



Interested in cord blood as a source material?

Our team has unparalleled experience and relationships with cord blood banks across the U.S. Contact our team to start the conversation.



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