

Cord Blood

For Research or For Further Processing Use



Product Description

Cord blood is collected from vaginal or c-section deliveries from consented mothers. After thorough cleaning, a needle is inserted into the umbilical vein and blood within the cord and placenta are drained into a sterile 501(k) cleared cord blood collection bag. This bag contains citrate-phosphate-dextrose (CPD) anticoagulant. The volume of each unit is variable. Blood is collected using GMP processes. Most units are collected for use in hematopoietic reconstitution (transplant) for patients, however, units can be used for further processing or research such as isolation and expansion of endothelial cells.

Product Source

Products are from donors that have met all testing and screening criteria to serve as a donor eligible and suitable to provide hematopoietic stem cells for transplantation into humans.

Product Processing

Units are available fresh and unprocessed if requested. Units are typically volume reduced, red blood cell reduced, and cryopreserved with a final DMSO concentration of 10%.

Product Testing

TNC counts are performed to ensure that products meet minimum requirements. Additional flowcytometry enumeration of cell subsets can be performed. All units are sterility tested using a method compliant with USP <71>.

Product Storage

If product is cryopreserved, store at -80°C or colder until use. Use immediately upon thaw. If product is liquid, use immediately or store at 4°C for up to 24 hours.

Recommended Thawing Procedure

Please contact us at 833-357-2327 for consultation on thawing as this may vary depending on the intended use of the cord blood product.

Warning

This product is composed of human-derived materials. Always wear appropriate personal protective equipment when handling this product and treat it as potentially infectious, using Universal Precautions, regardless of the results of infectious disease testing.

Limitations and Publications

This product is for research use or therapeutic use only, not for resale. Nothing produced directly from this product may be sold. When publishing scientific results obtained using this product, acknowledge supplier as Bio-Sharing.org.