Certificate of Analysis

Product Information

Catalog ID	Product Name	Size	Unit Volume	Vessel
CB34C-3	Cryopreserved Cord Blood CD34+ Stem/Progenitor Cells	1.0 x 10^6	1 mL	2 mL Cryo Vial

Lot Number	Cryopreservation Date
MVS13680	2026-03-03

Description	CD34+ hematopoietic stem and progenitor cells (HSPCs) were isolated from freshly collected cord blood by positive selection using CD34+ immunomagnetic bead separation. Cord blood is needle aspirated from the umbilical cord in utero and collected into a sterile bag containing CPD anticoagulant. After isolation, the CD34+ cells were tested for purity and viability by flow cytometry and then quickly cryopreserved in CryoStor® CS10 freeze media using a CoolCell® cell freezing container (BioCision) at -1°C/min.
Source Material	Fresh cord blood unit (CB008F-1)
Handling Instructions	Upon receipt, either prepare cells for long-term storage in liquid nitrogen vapor phase or thaw for use. Storage in liquid phase nitrogen is NOT recommended. Long-term storage of cells at -80°C is NOT recommended. Once thawed, samples must be used immediately.

Baby Information

Source ID	Gender	Ethnicity	Blood Type
W243426000734	Male	Caucasian	O+

HLA-A	HLA-B	HLA-C	HLA-DRB1	HLA-DRB3	HLA-DRB4	HLA-DRB5	HLA-DPB1	HLA-DQB1
24:02:01	14:02:01	03:04:01	04:07:01	-	01:01:01	01:01:01	04:02:01	03:02:01
30:02:01	40:02:01	08:02:01	15:03:01	-	-	-	05:01:01	06:02:01

Testing Information

Maternal donors are tested for:

- Hepatitis B Core Antibody
- Hepatitis B Surface Antigen
- Hepatitis C Virus Antibody
- Human Immunodeficiency Virus Antibody (HIV 1 /2 plus O)

Testing panel results: Negative/non-reactive or not detected for all donor screening tests performed.

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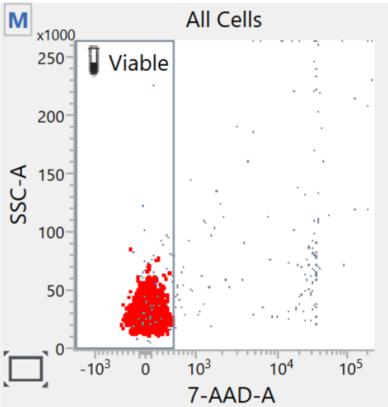
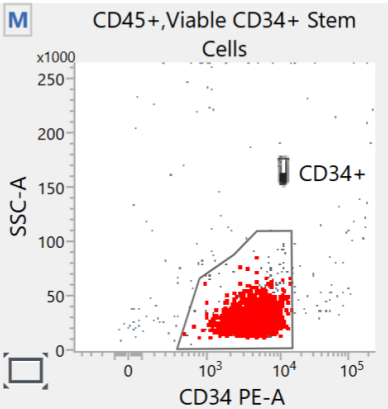
Flow Cytometry Analysis





Viability	CD45+/PI-	CD34+ Cells
99.4%	98.6%	98.0%

Biosafety This material should be handled following biosafety level 2 biohazard procedures. Universal precautions should be utilized when working with this material. Use aseptic techniques when handling the material.

Released By William Cary **Date** 2026-04-14

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