

CB banking specifics WO-1373

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Section 1 General Info

Question	CBB answer
The information has been reviewed in year :	
Name of the cord blood bank:	Japanese Red Cross Cord Blood Bank
Number of cord blood units the cord blood bank plans to store for public use (unrelated patients):	5499

Section 2 Cord Blood Units in Inventory

Question	CBB answer
Current processing method(s):	
Plasma and RBC reduced (automatic)	checkfalse
Plasma reduction only	checkfalse
Plasma and RBC reduced (manual)	checktrue
RBC reduction only	checkfalse
Total Nucleated Cell Count (x10E7) of your cord blood units stored for Unrelated Patients (Public Use).	
< 125 :	3952
125 - 149 :	1233
150 - 199 :	300
200 - 250 :	12
> 250 :	2

Section 3 Cord Blood Collection

Question	CBB answer
Current practice for collecting cord blood:	Ex-utero
Current antiseptic:	Betadine
Collection bag:	Single needle
Agitation during collection:	Manual

Section 4 Conditioning and transport from Collection Centre to cord blood bank

Question	CBB answer
Secondary bag used by the cord blood bank (sealed, plastic bag or similar to avoid any leakage):	yes
Transport conditions:	
Insulating transport container	checktrue
Active refrigeration system	checkfalse
Passive refrigeration system (gel, blocks)	checktrue
Electronic temperature probe	checktrue
Non-electronic temperature probe	checkfalse
Qualified transporter	checkfalse
Unqualified transporter	checktrue
Air transport	checktrue
Ground transport	checktrue
Other,	checkfalse
Temperature range for storage and transportation of fresh product:	Defined (above +8°C)

Section 5 Evaluation

Question	CBB answer
Pre-processing Evaluation: Current threshold for accepting a cord blood unit for public use in the cord blood bank:	
Net weight in grams (excluding bag and anticoagulant) before processing	60 - 69.99 grams
TNC (10E7) before processing	< 125
Viability CD45 positive cells (%)	NA- not evaluated pre-processing
Viability CD45 positive cells (method)	
Viability CD34 positive cells (%)	NA- not evaluated pre-processing
Viability CD34 positive cells (method)	
Criteria that are completed before accepting a cord blood unit for public use in the cord blood bank:	
Medical History	checktrue
Collection Report	checktrue
Informed Consent	checktrue
Maternal IDM results	checktrue
Temperature and integrity of the bag	checktrue
Other, Family history	checktrue
Used method for CD34 enumeration:	ISHAGE guidelines
The cord blood banks uses external proficiency testing for QC of the cord blood banks FACS lab:	no
The cord blood bank performs post processing/pre-freeze CD34 cell count:	yes
Acceptable time from collection to processing:	24-48H 36H from collection to freezing

Section 6 Processing-Packaging

Question	CBB answer
The pre-freeze processing method(s) cord blood bank uses at any stage in time:	
AXP	checkfalse
SEPAX	checkfalse
Optipress	checkfalse
Prepacyte	checkfalse
Manual- plasma and red cell reduction	checkfalse
RBC/plasma reduction with HES	checktrue
Ficoll sedimentation	checkfalse
Centrifugation and volume reduction	checkfalse
No processing	checkfalse
Manual- plasma reduction only	checkfalse
Other,	checkfalse
The current pre-freeze processing method(s):	
AXP	checkfalse
SEPAX	checkfalse
Optipress	checkfalse
Prepacyte	checkfalse
Manual- plasma and red cell reduction	checkfalse
RBC/plasma reduction with HES	checktrue
Ficoll sedimentation	checkfalse
Centrifugation and volume reduction	checkfalse
No processing	checkfalse
Manual- plasma reduction only	checkfalse
Other,	checkfalse
Additives currently in use in addition to anticoagulants and DMSO during processing:	
HES	checktrue
Prepacyte	checkfalse
Plasmalyte	checkfalse
Albumin	checkfalse
Isotonic salt solution NaCl (saline)	checkfalse
No additive	checkfalse
Other,	checkfalse
Cryoprotectant additives currently in use:	DMSO- Dextran and other reagent(s)DMSO and DMSO- Dextran and other reagent(s) CryoSure-DEX40 (WAK-Chemie Medical GmbH)
Cryopreservation method currently in use:	
BioArchive	checkfalse

MVE 1850 Vapor freezer	checkfalse
Programmed cryopreservation with Air Liquid program (FREEZAL)	checkfalse
Programmed freezer	checktrue
Two-step (equilibrium) freezing	checkfalse
Cryobag currently in use:	Single bag (one fraction)
Currently used packaging when a unit is stored:	Metal canister
Segments currently stored with the unit by the cord blood bank:	
One attached segment	checkfalse
Two or more attached segments	checktrue
Separate segments detached from the bag, but stored with the CBU	checkfalse
Other samples	checkfalse
None	checkfalse

Section 7 Testing

Question	CBB answer
Does your cord blood bank currently store extra material?	
Cord blood DNA	checktrue
Cord blood material for DNA extraction	checktrue
Plasma/cord blood	checktrue
Maternal DNA	checkfalse
Maternal material for DNA extraction	checktrue
Maternal plasma/serum	checktrue
HLA typing at time of listing:	
HLA-A	Intermediate Resolution
HLA-B	Intermediate Resolution
HLA-C	Intermediate Resolution
HLA-DRB1	Intermediate Resolution
HLA-DRB2	Not performed
HLA-DPB1	Not performed

Section 8 Storage

Question	CBB answer
The following type(s) of storage container is currently used by the cord blood bank:	
BioArchive tank	checkfalse
Conventional storage tank-Vapor phase	checktrue
Conventional tank-Liquid phase	checktrue

Double walled liquid Nitrogen	checkfalse
Type following type(s) of storage monitoring is currently by the cord blood bank:	
Alarm on individual tanks only	checkfalse
Centralized system-local	checktrue
Centralized system-remote monitoring	checktrue
LN2 level	checktrue
Lid opening	checkfalse
System default	checkfalse
Temperature monitoring	checktrue
No temperature monitoring	checkfalse

Section 9 Adverse Events Reporting

Question	CBB answer
Adverse Event Reporting used by the cord blood bank:	
Competent authority	checktrue
Internal report	checktrue
National registry	checktrue
Transplant centre	checktrue
WMDA	checkfalse