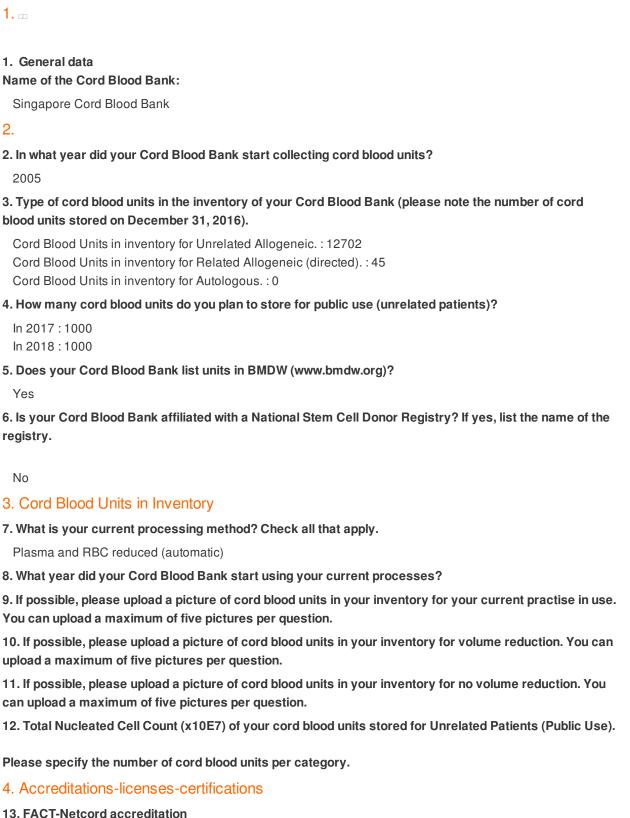
# Cord Blood Bank Technology Survey 2017

#### Response ID:60 Data



Is your Cord Blood Bank FACT-Netcord accredited?

Yes

Year of last on-site inspection (FACT):

2017

State year of your first accreditation:

2014

14. AABB accreditation

Is your Cord Blood Bank AABB accredited?

Yes

Year of last on site inspection (AABB):

2016

State year of your first accreditation:

2010

15. Competent Authority/National Health Authority (state-based).

Is your Cord Blood Bank licensed by a (state-based) Competent Authority?

Yes

#### Does the Competent Authority perform on-site inspections?

Yes, please specify year of the last inspection.

#### Year of last on-site inspection of your Competent Authority:

2016

#### Name of the institution Competent Authority:

Ministry of Health, Singapore

Link to the license website of the institution Competent Authority:

https://elis.moh.gov.sg/

**16.** Please describe other accreditations, licenses, or certifications of your Cord Blood Bank. CAP

#### 5. Cord Blood Collection

17. What is your current practice for collecting cord blood?

In-utero

#### 18. Current antiseptic. Check all that apply.

Other, please describe: Povidone iodine

#### 19. Collection bag

Single needle

# 20. Agitation during collection

Manual

#### 6. Conditioning and transport from Collection Centre to Cord Blood Bank.

#### 21. Do you use a secondary bag (sealed, plastic bag or similar to avoid any leakage)?

Yes

#### 22. Transport conditions.

Insulating transport container Passive refrigeration system (gel, blocks) Electronic temperature probe Qualified transporter Ground transport Other, please describe: Continious data logging through the transport

23. Specify temperature range for storage and transportation of fresh product.

Defined (above +8°C)

# 7. Evaluation

#### 24. Pre-processing Evaluation

Please specify your current threshold for accepting a cord blood unit for public use in your cord blood bank.

# Net weight in grams (excluding bag and anticoagulant) before processing

40 - 49.99 grams

TNC (10E7) before processing

< 125

# Viability CD45 positive cells (%)

80 - 89%

# Viability CD45 positive cells (method)

7AAD

Viability CD34 positive cells (%)

80 - 89%

# Viability CD34 positive cells (method)

7AAD

#### 25. Pre Processing Evaluation

Please mark the criteria that are completed before accepting a cord blood unit for public use in your Cord Blood Bank. Check all that apply.

Medical History Collection Report Informed Consent Maternal IDM results Temperature and integrity of the bag

### 26. Which method is used for CD34 enumeration?

**ISHAGE** guidelines

#### 27. Do you use external proficiency testing for QC of your FACS lab?

Yes, please specify (e.g. UKNEQAS): CAP

28. Does your Cord Blood Bank perform post processing/pre-freeze CD34 cell count?

Yes

# 29. Acceptable time from collection to processing.

24-48H

# 8. Processing-Packaging

30. Please select the pre freeze processing methods you have used at any stage in time. Check all that apply.

SEPAX

31. What are your current pre-freeze processing methods? Check all that apply.

SEPAX

32. Please specify additives currently in use in addition to anticoagulants and DMSO during processing.

Check all that apply.

HES

33. Please specify cryoprotectant additives currently in use. Check all that apply.

DMSO- Dextran

34. Please specify cryopreservation method currently in use. Check all that apply.

MVE 1850 Vapor freezer

35. Please specify cryobag currently in use. Check all that apply.

Single bag (one fraction)

36. What packaging is currently used when a unit is stored? Check all that apply.

Metal canister

Overwrap

37. How many segments do you currently store with the unit? Check all that apply.

Two or more attached segments

# 9. Testing

38. Using the list below, indicate which Infectious Disease Marker (IDM) testing of the maternal donor and/or cord blood is CURRENTLY performed by your Cord Blood Bank.

	Standard on Maternal Sample	Standard on cord blood sample	Testing available by request on maternal sample	Testing available by request on cord blood sample	Not done
Hepatitis B Surface Antigen	Х				
Hepatitis B core Antibody	х				
Hepatitis B Surface Antibody			Х		
HBV NAT	Х				
Hepatitis C Antibody	Х				
HCV NAT	Х				
HIV 1/2 Antibody			Х		
HIV 1 and 2 + 0 Antibodies	х				
HIV p24 Antigen			Х		
HIV NAT Antigen	х				
HTLV I/II Antibodies	Х				
HTLV NAT					
CMV Antibody - IgG					
CMV Antibody - IgM					
CMV Anitbody Total	Х				

Syphilis	Х		
West Nile Virus NAT		Х	
West Nile Virus Antibody		Х	
T. Cruzi Antibody (Chagas Disease)		X	
EBV Antibody - IgG		Х	
EBV Antibody - IgM		Х	
EBV Antibody Total		Х	
Toxoplasmosis Antibody - IgG		Х	
Toxoplasmosis Antibody - IgM		Х	
Toxoplasmosis Antibody Total		Х	

# 39. Does your Cord Blood Bank currently store extra material?

Cord blood material for DNA extraction Plasma/cord blood Maternal material for DNA extraction Maternal plasma/serum

### 40. HLA typing at time of listing.

	Low Resolution	Intermediate Resolution	High Resolution	Not performed
HLA-A			Х	
HLA-B			Х	
HLA-C			Х	
HLA-DRB1			Х	
HLA-DQB1				
HLA-DPB1				

# 41. Current threshold for accepting a cord blood unit for public use (post processing)

	Please specify threshold	Please provide method	Not performed
Minimum TNC (10E7)	60	Hematology Analyser	
Minimum CD34 (10E6) single platform	1.25	Flow Cytometry	
Minimum CD34 (10E6) double platform	NA		
Total-CFU (10E5)	1	Manual	
Viability (10E5)	>85%	7AAD	

# 10. Storage

42. What type of storage container is currently used in your cord blood bank?

Conventional storage tank-Vapor phase

43. What type of storage monitoring is currently used in your cord blood bank?

Centralized system-local

LN2 level

Temperature monitoring

# 11. Verification/Extended HLA Typing

#### 44. Is extended/verification typing performed at an ASHI, EFI or CAP accredited lab?

ASHI accredited lab

#### 45. What is the average turnaround time for extended HLA typing results?

7 Days

# 12. Confirmatory/verification typing.

46. Does your Cord Blood Bank use an attached (contiguous) segment (if available) for confirmatory/verification HLA typing currently?

Yes

47. Does your Cord Blood Bank list cord blood units that do NOT have attached segments and have NOT previously been confirmatory typed on attached segments?

No

**48.** What is the percentage of cord blood units in your inventory that will be sent with attached segment? 90-100%

49. Is your current practice to perform confirmatory/verification typing on all cord blood units prior to release?

Yes

# 13. Reservation/cancellation policies

50. At what point is a cord blood unit reserved for a patient and not available for other patients? Check all that apply.

At time of reservation request

51. What is the length of time a cord blood unit can be reserved?

30 days

52. Is there a fee to reserve a cord blood unit?

No

53. Is there a fee to cancel the reservation for a cord blood unit in the absence of a subsequent request for shipment?

No

54. Do you allow for an extension on a reservation of a cord blood unit?

Yes

55. Will your Cord Blood Bank provide a cord blood unit report on a cord blood unit that is already reserved for another patient (and thus not available) without specifying that the cord blood unit is already reserved?

No

56. If your Cord Blood Bank releases a cord blood unit from a patient's search (as opposed to the transplant centre indicating that the cord blood unit may be released), do you inform the transplant centre

#### of the release?

Yes

57. Using the list below, please indicate which tests are currently performed by your Cord Blood Bank on a thawed attached segment and at which stage.

	TNC count	Total viable CD34 count	% viability of CD34	% viability of CD45	CFUs
As standard when verification typing is performed	Х	Х	Х	Х	Х
As standard when CBU is reserved					
Upon request when CBU is reserved					
Upon request when verification typing is performed					
Only once shipment is requested					
Not performed					

# 14. Release-Shipment

58. Does your Cord Blood Bank perform hemoglobinopathy screening before release?

Yes

59. Criteria to allow a Cord Blood Unit to be shipped to transplant centres. See Appendix V of FACT Netcord Standards 6th Edition.

	Acceptable range of values	Please provide method	Please provide additional information
Viability / cell count:	>40% Viability for CD45, >70% CD34	7AAD	

60. Criteria to allow a cord blood unit to be shipped to transplant centres. See Appendix V of FACT Netcord Standards 6th Edition.

What do you perform at the time a cord blood unit is released to be shipped to a transplant centre? Check all that apply.

Identity testing with HLA

61. Current packaging for shipment to transplant centre.

Metal Canister

Overwrap

Transport rack

62. How many segments do you currently send with the unit?

One attached segment

63. How much time is required from the date the shipment order is placed until the unit is shipped?

Less than one week

64. Is there a fee for cancellation of shipment?

Yes, if release testing has begun

65. Does your Cord Blood Bank validate its dry shippers to ensure they maintain the temperature at  $\leq$  - 150 °C at least 48 hours beyond the expected arrival time at the receiving facility?

Yes

66. Do all dry shippers used by your Cord Blood Bank contain an electronic temperature data logger?

Yes

67. Who typically chooses the courier company for international transports?

Cord Blood Bank or sending registry

68. Please specify the shape of the transport container you currently use.

Mushroom

# 15. Adverse Events Reporting

# 69. Adverse Event Reporting

Internal report Transplant centre