

# Cord Blood Bank Technology Survey 2017

Response ID:64 Data

1.

## 1. General data

### Name of the Cord Blood Bank:

Japanese Red Cross Cord Blood Bank

2.

### 2. In what year did your Cord Blood Bank start collecting cord blood units?

1995

### 3. Type of cord blood units in the inventory of your Cord Blood Bank (please note the number of cord blood units stored on December 31, 2016).

Cord Blood Units in inventory for Unrelated Allogeneic. : 7861

Cord Blood Units in inventory for Related Allogeneic (directed). : 0

Cord Blood Units in inventory for Autologous. : 0

### 4. How many cord blood units do you plan to store for public use (unrelated patients)?

In 2017 : 800

In 2018 : 900

### 5. Does your Cord Blood Bank list units in BMDW ([www.bmdw.org](http://www.bmdw.org))?

No

### 6. Is your Cord Blood Bank affiliated with a National Stem Cell Donor Registry? If yes, list the name of the registry.

Yes, please list the name of the registry: Japan Marrow Donor Program

## 3. Cord Blood Units in Inventory

### 7. What is your current processing method? Check all that apply.

Plasma and RBC reduced (manual)

### 8. What year did your Cord Blood Bank start using your current processes?

1995

### 9. If possible, please upload a picture of cord blood units in your inventory for your current practise in use. You can upload a maximum of five pictures per question.

### 10. If possible, please upload a picture of cord blood units in your inventory for volume reduction. You can upload a maximum of five pictures per question.

### 11. If possible, please upload a picture of cord blood units in your inventory for no volume reduction. You can upload a maximum of five pictures per question.

### 12. Total Nucleated Cell Count (x10E7) of your cord blood units stored for Unrelated Patients (Public Use).

#### Please specify the number of cord blood units per category.

< 125 : 6165

125 - 149 : 1080

150 - 199 : 203

200 - 250 : 14

> 250 : 0

#### 4. Accreditations-licenses-certifications

##### 13. FACT-Netcord accreditation

Is your Cord Blood Bank FACT-Netcord accredited?

No

##### 14. AABB accreditation

Is your Cord Blood Bank AABB accredited?

No

##### 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:

2014

Name of the institution Competent Authority:

Ministry of Health, Labor and Welfare

Link to the license website of the institution Competent Authority:

[www.mhlw.go.jp](http://www.mhlw.go.jp)

16. Does your National Stem Cell Donor Registry perform on-site inspections?

No

17. Please describe other accreditations, licenses, or certifications of your Cord Blood Bank.

#### 5. Cord Blood Collection

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

In-utero

19. Current antiseptic. Check all that apply.

Other, please describe: povidone iodine

20. Collection bag

Single needle

21. Agitation during collection

Manual

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

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

Yes

23. Transport conditions.

Qualified transporter

Air transport

Insulating transport container

Passive refrigeration system (gel, blocks)

Non-electronic temperature probe

Ground transport

Electronic temperature probe

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

Defined (above +8°C)

## 7. Evaluation

### 25. 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

60 - 69.99 grams

#### TNC (10E7) before processing

< 125

#### Viability CD45 positive cells (%)

NA- not evaluated pre-processing

#### Viability CD45 positive cells (method)

7AAD

#### Viability CD34 positive cells (%)

NA- not evaluated pre-processing

#### Viability CD34 positive cells (method)

7AAD

### 26. 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.

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

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

ISHAGE guidelines

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

No

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

Yes

#### 30. Acceptable time from collection to processing.

24-48H

## 8. Processing-Packaging

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

- RBC/plasma reduction with HES
- Centrifugation and volume reduction
- Manual- plasma and red cell reduction

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

- RBC/plasma reduction with HES
- Centrifugation and volume reduction

Manual- plasma and red cell reduction

**33. Please specify additives currently in use in addition to anticoagulants and DMSO during processing. Check all that apply.**

HES

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

DMSO- Dextran

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

Two-step (equilibrium) freezing

Programmed freezer

**36. Please specify cryobag currently in use. Check all that apply.**

Single bag (one fraction)

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

Metal canister

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

Two or more attached segments