

National Marrow Donor Program Cord Blood Bank System

CORD Link® application

Traxis™ application

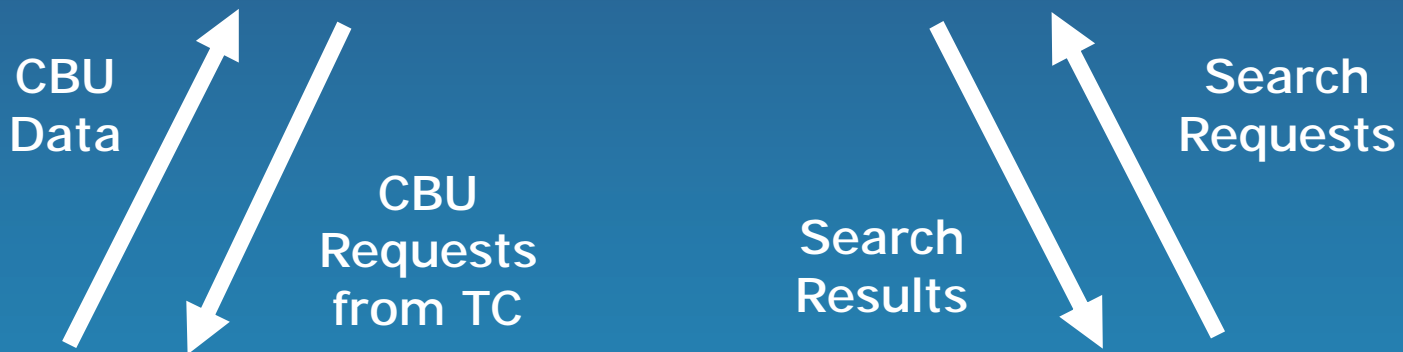
Cell Therapy Liaison Meeting
September 10, 2009

Julia Breyer
BSA Manager, Information Technology

NMDP Search Process



NMDP Coordinating Center



What is CORD Link?

- Software application used by NMDP Partner CBBs
- Designed using processes agreed to as a Network of CBBs
- Communication Tool
 - Inventory Management
 - Search Management

Listing Cord Blood Inventory

- **CBBs use source paperwork or data files to enter data into CORD Link**
 - OCR
 - Import
 - Manual Entry
- **CBBs retain source documentation**
 - CBBs use source documentation to determine product suitability and eligibility
- **CBBs validate data entry against source documentation**



Product Identification and Availability



- **Product Identification**
 - CBB assigned IDs entered and displayed in NMDP Systems
 - NMDP IDs required for cord blood unit and mother
- **Product Availability**
 - CBB controls availability of CBU through Registry Statuses

CORD Link Cord Folder:

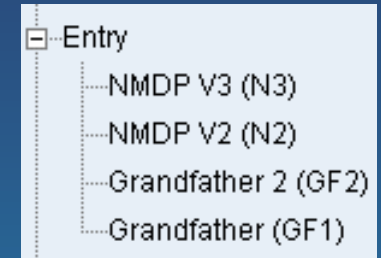
Cord Folder			
Cord Information			
NMDP Registry Status	AV - Available	Local Registry Status	AV - Available
Search Stage		Available Date	
Report Card Status	Acceptable	Removal Date	
Validation Protocol	NMDP V3	Donation Ref. No.	1
NMDP CBU ID	8000-0288-4	Local CBU ID	800002884
NMDP Maternal ID	8000-0289-2	Local Maternal ID	800002892



Product Characteristics



- **Cord Blood Unit information entered and displayed by different rule sets**
 - Tracks changes in standards over time
 - Categorizes Inventory
 - Different field requirements (TNC min., Viability)
- **Cord Blood Unit Information Summary**
 - TNC
 - HLA
 - CD34+
 - ABO/Rh
 - Viability
 - Medical Forms (IDM, Maternal Risk, Family History)



Transplant Center Search

- Transplant Centers search cord blood units on the Be The Match RegistrySM using NMDP TraxisTM application
- TCs consider the following cord criteria displayed in Traxis:
 - Total Nucleated Cell Count (TNC)
 - HLA Matching
 - CD34⁺ Count
 - IDM Results
 - Maternal Risk / Family Health History

Cord Blood Unit Selection

Cord List: 9

Ref	Demographics	Add/Remove Data	MCat	Probability%	A	B	DRB1	DQB1	C	A	B	DRB1	DQB1	C	DRB3	DRB4	DRB5
<input type="checkbox"/> 1	9992-5865-1 TNC: 170.0 AV CT: Y Sex: F CD34: 15.9 174 Race(Eth): Multiple ()		5/6	Pr(6): 0 Pr(5): 0 Pr(4): 99	L P 0	P M 0	A A 100	A P 0	A M 0	0205 03XKS	15GYF 3801	0801 0404	0402 0302	0304 1203			
<input type="checkbox"/> 2	9990-5779-8 TNC: 149.0 AV CT: Y Sex: M CD34: 5.3 151 Race(Eth): Multiple (HIS)		5/6	Pr(6): 0 Pr(5): 99 Pr(4): 0	P A 99	P P 99	M A 0			0201 0301	15GYF 4001	1101 0404			0202	0103	
<input type="checkbox"/> 3	9920-7132-5 TNC: 131.0 AV CT: N Sex: M CD34: 4.8 173 Race(Eth): White ()		5/6	Pr(6): 0 Pr(5): 85 Pr(4): 12	P P 96	P P 86	M A 0		P P 57	02XX 03XX	15XX 40XX	0404 0404		03XX 03XX			
<input type="checkbox"/> 4	9990-6976-9 TNC: 126.0 AV CT: N Sex: F CD34: 1.4 151 Race(Eth): White ()		5/6	Pr(6): 0 Pr(5): 33 Pr(4): 65	P P 99	P P 99	M P 0			02XX 03XX	15MWB 40MWK	01XX 04XX					
<input type="checkbox"/> 5	9975-8724-2 TNC: 115.0 AV CT: N Sex: M CD34: 8.6 166 Race(Eth): White (HIS)		5/6	Pr(6): 0 Pr(5): 0 Pr(4): 1	P M 0	L P 0	P P 1			02XX 24XX	1530 40XX	08XX 04XX					
<input type="checkbox"/> 6	9940-0417-5 TNC: 112.0 AV CT: Y Sex: F CD34: 2.9 156 Race(Eth): White (NHIS)		5/6	Pr(6): 0 Pr(5): 99 Pr(4): 0	P P 99	P P 99	M A 0	M P 0	A A 0	02GNF 03XKS	15GYF 4001	0401 0404	0302 0302	0304 0304		01GM	
<input type="checkbox"/> 7	9988-4426-1 TNC: 105.0 AV CT: N Sex: U CD34: 6.4 156 Race(Eth): Unknown ()		5/6	Pr(6): 0 Pr(5): 87 Pr(4): 12	P P 99	P P 87	M A 0	M P 0		02XX 03XX	15XX 40XX	0404	0302			01AB	
<input type="checkbox"/> 8	9970-5645-3 TNC: 96.0 AV CT: N Sex: F CD34: 5.1 176 Race(Eth): White ()		5/6	Pr(6): 0 Pr(5): 99 Pr(4): 1	P M 0	P P 99	A A 100			02XX 31XX	15JVK 40HNB	0801 0404					
<input type="checkbox"/> 9	9989-1379-3 TNC: 93.0 AV CT: N Sex: M CD34: 7.4 156 Race(Eth): White ()		5/6	Pr(6): 0 Pr(5): 82 Pr(4): 17	P M 0	P P 99	P P 82			s2	s62 s60	08XX 04FN					

Cord Blood Unit Display

Cord Info for 9940-0417-5

Id	MCat	Probability%	A	B	DRB1	DQB1	C	A	B	DRB1	DQB1	C	DRB3	DRB4	DRB5	DQA1	DPB1	DPA1
9940-0417-5	5/6	Pr(6): 0 Pr(5): 99 Pr(4): 0	P	P	M	M	A	02GNF	15GYF	0401	0302	0304		01GM				
			P	P	A	P	A	03XKS	4001	0404	0302	0304						
			99	99	0													

- Demographics
- Characteristics
- Maternal IDM
- Maternal Risk Questionnaire
- Family Medical History
- Search History
- HLA Detail

Validation Protocol:	N2	Qualification Status:	Unusual Finding
Local CBU ID:	SL040659	HMDP CT'd:	Y
Funded:	N	HMDP Status:	AV
NCBI:	N	Number of Fractions:	2
Local Status:	AV	Collection Date:	Feb 09 2004
Avail Date:		Processing Date:	Feb 10 2004
Baby Sex:	Female	Freeze Date:	Feb 10 2004
Ethnicity :	NHIS - Not Hispanic or Latino	Culture Date:	Feb 10 2004
Race:	White - North American	Bact Culture Pos:	N - No
Race Detail:		Fung Culture Pos:	N - No
Birth Date:	Feb 09 2004	ABO:	A
CBB:	156 St. Louis Cord Blood Bank	Rh Type:	Positive
Local Maternal ID:	MSL040659	Hemoglobinopathy:	NM - Normal
Baby ALC > 1500/uL:			



CBB Search Management

NATIONAL
MARROW
DONOR
PROGRAM[®]

Pending Search

CT HE OR CP All

Click to add filter...

Display of total 22

Loc.	NMDP CBU ID	Local CBU ID	U/S	Stage	Detail Stage	Requested
SMN	8000-0128-2	800001282	U	OR	Requested	2/28/2005
SMN	8000-0160-5	800001605		HE	Requested	8/11/2004
SMN	8000-0150-6	800001506	U	CT	Coordinate Shipment	10/3/2004

CT – Confirmatory Typing requests

HE – Held for Patient requests

OR – Cord Ordered for Transplant request



CORD Link Order Folder

NATIONAL
MARROW
DONOR
PROGRAM

User: Ellie Church (echurch) CBB: CBB Training (003)



Cord **Search** Maintenance Help

NMDP CBU ID: 8000-0054-0 Local CBU ID: 800000540

Jump To: [CBU Information](#) | [Recipient](#) | [OR](#) | [Notes](#) | [Recipient Antigens](#)

Search

- CT Pending
- HE Pending
- OR Pending
- CP Pending
- All Pending
- CBU Delivery Info
- Detail Search Reports
- CT Request Reports
- Product Insert Reports
- Cord Shipment Form
- Reports

OR - Ordered

Detail Stage	Requested	OR Request	8/4/2008
Detail Stage Date		OR Ship Date	<input type="text" value="8/6/2008"/>
		OR Ship Time	<input type="text"/>
CBU Location	SMN - St. Paul, MN	Shipping Container	<input type="text" value="Dry Shipper"/>
		Specify Other	<input type="text"/>
		Temperature Monitor	<input type="text" value="Electronic Temperature Monitor"/>
		Specify Other	<input type="text"/>
Assigned To	<input type="text"/>	Shipper	<input type="text" value="FedEx"/>
Assigned Date		Shipping No.	<input type="text" value="123456"/>
Proposed Ship Date		Confirm Shipment	<input type="text"/>
Proposed Prep Date		Target Arrival Date	
Proposed Infusion Date		Infused Date	
Should the CBB provide residual cellular samples if available?			
OR Resolution			
Resolution	<input type="text" value="RSN - Reserved for NMDP"/> <input type="checkbox"/> Completed		

Cord Blood Unit Shipment

- CBB responsible for Final Suitability and Eligibility Determination CBU
- CBB prepares paperwork
- Shipment facilitated through NMDP Search Department

Outcomes Reporting

- Transplant Centers responsible for reporting outcomes to CIBMTR
- CIBMTR provides outcomes reports to CBBs on a regular basis

NMDP System Verification

- NMDP follows an established Software Development Lifecycle (SDLC)
- SDLC includes Unit Testing, Quality Assurance, and User Acceptance Testing
- CBB responsible for validation of data in system to Source Documentation

Thank you