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# Changes – upgrade version 2.0 – September 2013.

Change in window panel (user interface/screen-layout).

Other changes

## Changes – upgrade version 3.0 – April 2014.

New EMDIS connections. (since 10- 02-2014)

EN: British Bone Marrow Registry / British Bone Marrow Registry – cord blood (Match codes GB4 – BSCB).

RO: Romanian Registry of Hematopoïetic Stem Cells Voluntary Donors (Match code RO).

Maximum of 10 selected patients is stored in the Select button history. Summary for MatchGrade compatible with the MatchGrade used on the search report.

## Changes – upgrade version 4.0 – May 2018.

Update of WMDA forms.

Select patient:	New Select
EMDIS messages:	Panel on second row: Messages and requests.
Typing history:	History of HLA typings better documented (only consultation)
Active patients:	New report.
List of donors:	Display of last activated requests in search result. EMDIS search result options (option to save settings).
Typing history:	(Patient data change history). Option to log a discrepant typing found on the confirmatory typing of a Blood sample you received from EMDIS donors.
EMDREP002	EMDIS Requests without results (report).
EMDREP003	EMDIS requests report – count of requests.
Window screen:	Message will be sent – new visualization. do your want to correct warnings?

# Changes – upgrade version 5.0 – March 2019.

#### NEW items are highlighted in green.

The EMDIS search result table : display of the match level.

The printed search report includes the GRID Code.

**GRID:** Global registration identifier for donors.

A 19 character identifier. The GRID is composed of 3 elements:

A 4 digit ION, a 13 character Registration Donor Identifier (RDI) assigned by the Issuing Organization, and a 2 digit checksum.

WMDA collaborated with <u>ICCBBA</u> (*International Council for Commonality in Blood Banking Automation*) to create a system for assigning a globally unique identifier for potential volunteer blood stem cell donors.

CMV is included in the search results report.

# I. INTRODUCTION

## **I.I. PROGRAM START**

## I.I.1. Program start up

To start the application you need a Citrix username and password and a Prometheus password.

https://citrix.rodekruis.be/vpn/index.html	🔎 👻 🗎 🖒 🚳 NetScaler Gateway 🛛 🗙
	Please log on
	Licer name
NetScaler with	Oser hame
Unified Gateway	Password
	Log On

To login go to <u>https://citrix.rodekruis.be</u> and enter your Citrix username and password:

In case you have problems, you need to install the receiver first:

https://www.citrix.nl/products/receiver/

After successful download, the following screen will be displayed: select Prometheus:

(3	https://citrix.rodekr	uis.be/Citrix/RODEKRUISWeb/	오 - 🔒 🖒 🎯 Citrix
	Receiver fields		APPS
Alle	Categorieën		
	Admin 1	Prometheus 2	

#### Select Prometheus Productie:



The following screen will be opened, enter your Prometheus login:

	Prometheus Login
Password	✓ ×

#### I.I.2. LOGIN

You have 3 attempts to enter the right password. When the third attempt in a row fails, the user account will be locked. The user has to ask the Registry coordinator to unlock the account. When the ID and the password are correct the program will initialize and the main program window screen will be displayed.

#### FIRST LOGIN

Prometheus Login
Password

To access the application for the first time, please log in by entering the password type "23 23" (23space23) that was sent to you. You will be immediately required to change your password. Your new password must be in format 23 shoe1 (23spaceshoe1). (combination of letters and numbers required).

Change password
Old password
Combination of letters and numbers required.
Retype new password
<ul><li>✓</li><li>×</li></ul>

## I.I.3. USER PASSWORD CHANGE

Go to **SERVICE** and select "Change password" to change your password:



Enter your present password, a new password and confirm the new password.

Old password New password Retype new password	hange password
New password Retype new password	Old password
New password Retype new password	
Retype new password	New password
Retype new password	
	Betype new password
1	
V OK X Cancel	VOK X Cancel

### I.I.4. Multiple access rights

Some users have rights for multiple Transplant Centers. When logging in you will be guided to one Transplant Center. It is however possible to change the Transplant Center without ending the application.

Select the arrow to change the Transplant Center : at the bottom of the screen:



**Allow all TCs** – this check-box allows the user to work simultaneously with data from all Transplant Centers he has access to.

Select the arrow to change the active center, you can switch between Donor Centers, Transplant Centers and Cord Blood Banks. You can simultaneously display data from multiple Donor Centers or multiple Transplant Centers. A mix between Donor and Transplant Center however, is not possible.



**User Box** – The user box shows the name of the person currently logged into the system, below is the user group he belongs to.

ellow all DCs T: BETRAUZA1 • allow all TCs	Test Database:	DB Date:	Logged user: H. Broos	

#### Exit – Termination of application.





Press "yes" to close the application.

## I.II. MAIN PROGRAM WINDOW

The main window is an initial guidepost for running functions of the program.

## I.II.1. Panel upper part

	Prometheus - Stem Cell Donor Registry 🗢					
8	Donor Patient Search EMDIS Service He	þ				
Select	New Reports Patient Commands	Analytic tool Patient Tools	Validate	Records to be validated (HLA/DNA) Patient Validat	Records to be validated (other info) ion	
No pa	tient selected					

#### I.II.1.1. File

٦

D	onor		
\$			
ø	Restore		h
	Move		10
	Size		
-	Minimize		ata
	Maximize		M
x	Close	Alt+F4	m
No	patient :	selected	

Close - lets you end the session

### I.II.1.2. Donor

9	Donor	Patient	Search	EMDIS	Service	Help		
Select	New							
Donor Co	mmands							
No don	or selec	ted						

This function enables you to register non EMDIS donors. When you received initial search results from a non EMDIS Registry (via fax or email) and you wish to activate further requests, Prometheus allows you to register the donor into a central database (BEDCFRGN – Foreign Donor Center) so that all further requests can be activated in Prometheus. (For more explanation go to <u>chapter V. Non EMDIS</u> requests).

#### I.II.1.3. Patient

Validate

The patient menu consists of following tools :



Via **select** or (**F5**) the patient can be selected, via **close** the patient record will be closed.

The currently opened record is automatically closed at shutdown of the program, as well as when opening a record of another patient.



Validateallows you to validate updated typings or new registered patients.User documentation part 1 – Transplant management version 4.0

#### Records to be validated (HLA/DNA) - (other info)



gives an overview of all patients to be validated.

Command stack (Ctrl + F5)

Stack opens a stack (group of patients).

The command **reports** offers you a list of patient reports. Reports



Command **analytic tool** opens the tool for patient analysis.

The patient menu will be explained in chapter II. patient menu.

#### I.II.1.3.1. Select patient

Select Patient – the selection of a patient.



Click the "select patient" button to go to the "Local patient select" screen.

\$	500.05 500.0C				Pa	tient select						x	:
Fast search Generated ID	Old ID	ID1	ID2 PatientID3	PatientIID4	Personal n°	Name	Birthdate	EMDIS ID	TXcenter	Any identifier	1	Clear all	1
Generated ID	EMDIS ID		In1	ID2	PatientID3	PatientIID4	Bidbdate	Personal	»*	Name	]	Any sources	

Search is possible by the following parameters:

#### Search for sequence:

- Anywhere (...XX123XX...)
- From beginning (XX123...)

#### Search by:

- Generated ID: for new Prometheus patients, fill in only numbers of the full ID: 12345 (BE12345P);
- Old ID: the Syrenad code;

- ID1: NA
- ID2: NA
- PatientID3: NA
- PatientID4: NA
- Personal number:
- Name: fill in full last name or several characters of last name (at least 3 characters needed)
- birthdate: fill in year (YYYY), year and month (YYYYMM) or full date (YYYYMMDD);
- **EMDIS ID**: for new Prometheus patients: BE12345P;
- TX center: NA
- Any identifier..

Then press "OK", the patient's record will be opened.

#### I.II.1.3.2. Hot Keys

For frequently functions hot keys are available:

Hot key	Function
F5	Patient select
F4	Patient close
Ctrl-P	Patient edit
Ctrl-M	New patient
Esc	Option abort

#### I.II.1.4. Behavior of input fields.

#### I.II.1.4.1. Date field.

- Date format: "dd.mm.yyyy", e.g. "26.01.2009";
- Press "**d**" for today's date;
- Type "17" to select day in actual month, e.g. January 17, 2009 (if current month is January and year is 2009);
- Type "**17 6**" to select day and month in actual year, e.g. June 17, 2009 (if current year is 2009);
- Type "6 12 7" to select December 6, 2007;
- **F3** for calendar selection.

#### I.II.1.4.2. Selection from static code list

- Press *space* for next value;
- *F3* for selection by list, *Esc* to leave selection list;
- Press number (0, 1, 2, ... or +, -) as shortcut of selection.

Sex woman

Male •					
0	Male				
1	Female				
2	Unknown	- [			
	<u>C</u> ancel				

#### I.II.1.4.3. Selection from dynamic code list

- Type *code* of the selection;
- *F3* for selection by list, type first characters of code to filter the list, Backspace to clear filter, Enter to confirm selection, *Esc* to leave selection list.

<u>First</u>	transplantation			
Donor ID			Date	-
Source	? ▼	D	onor registry	

#### I.II.1.4.4. Form control



Pressing the **OK** button confirms data entry, changes will be saved in the database and the record will be closed. The command can also be called up by using the shortcut Alt-X.



This button is used to undo all the changes made to the current record.

Most forms are multi-page forms, the arrow enables to browse between the different tabs.

\<u>ID {M</u>edical <u>{I</u>X <u>{S</u>erol <u>{D</u>NA /

You can use enter, the down arrow or Tab to go to the next field. (Shift-tab – the up arrow to go to the previous field).

When pointing to the field, contextual help for data entry will be highlighted.

#### Insert text of max. length 30 characters

#### I.II.1.4.4. HLA Data

#### 1. Serology

The system will warn you when entering invalid serology typing results.

or filtered by custom criteria

New Patient				OK	Esc
[E] Serology					
HLA-A					
HLA-B					
HLA-C		•••			
HLA-DR		•••			
HLA-DQ		•••			
\ ID (Medical (TX ) Serol (DNA	1		OK + New	Cancel	F1
	_				475 <b>4</b> ►

List of valid values appears when clicking the dots right from input field or by pressing F3.

Codoc	con	ho	arounod	hv	broad	aroun	
COUES	uan	nc.	uloupeu	DV.	proau	uluuu	

尼 Group by broad

HLA-A				
Broad grou	p △ ▼ ▼ Broad grou	∣ △ 💌 Valid from	▼ Valid to	▼ Identical to
+ Broad group	p:1	•		
🛨 Broad group	p:2			
🛨 Broad group	p:3			
+ Broad group	p:9			
+ Broad group	o: 10			
+ Broad group	o: 11			
🖃 Broad group	o:19			
19	19	0:00:00	0:00:00	
29	19	0:00:00	0:00:00	
30	19	0:00:00	0:00:00	
31	19	0:00:00	0:00:00	
32	19	0:00:00	0:00:00	
33	19	0:00:00	0:00:00	
74	19	0:00:00	0:00:00	
+ Broad group	o : 28			
+ Broad group	o : 36			
🛨 Broad group	o: 43			
+ Broad group	o : 80			
H44 4 F FF	₩+-▲✓ש	**7		
		Group by broad	1 🗸	· X ?

#### 2. DNA typing results

Enter high resolution code, XX code or MAC code. System warns you when you enter an invalid code or a code not matching serology.

DNA typing results respect the new nomenclature. When entering a value in an old format (e.g. 0301) system corrects it automatically to the new format (e.g. 03:01).

Values as 1, 01, 01xx, 01XX, 01:xx are automatically changed into 01:XX. Values as 701 are automatically changed to 07:01.

Type 1301-4 6 8 10 for  $B^{13:VVS} = B^{1301/1302/1303/1304/1306/1308/1310}$ .

Codes are automatically converted to MAC:

A* "0101/0102"	to 01:FWEY
A* "0101/2"	to 01:FWEY
A* "0101 2"	to 01:FWEY
B* "1301-4 6 8 10"	to 13:DMYV

Valid codes are updated each four days.

New Pati	ent					ОК	Esc
	<u>[E] DNA</u>						
A*	03:01	•	01:XX				
B*		•					
C*		•					
DRB1*		•					
DRB3*							
DRB4*							
DRB5*							
DQB1*		•					
DQA1*				Date of typing 1		•	
DPB1*				Date of typing 2		-	
DPA1*				Laboratory	BELABVUB		
				OK + New 🗸 (	)K 🗙 Cancel	?	F1
<u>ID (M</u> e	edical <u>(IX (Serol )DNA</u>					5	/5
						-	►

**DNA Typing results view** 

List of valid values appears when clicking the dots right from input field or by pressing **F3**. List by filtered by custom criteria using the button.

DRB3			<b></b> 2	۲
Code 🔽 Description	•	WHO equivalent	-	
01:XX				
02:XX				
03:XX				
01:01				
01:02				
01:03				
01:04				
01:05				
01:06				
01:07				Ш
01:08				
01:09				
01:10				
01:11				
01:12				
01:13				
01:14				
02:01				
02:02				
02:03				
02:04				
02:05				
			•	
	~	<b>×</b>	?	

#### I.II.1.5. Search

The commands for local donor search are available in the main program window in the "Search" menu.

							Prometheus - Stem Cell Donor Registry
۲	Donor	Patient	Search	EMDIS	Service	Help	
		-					

8	Prometheus - Stem Cell Donor Registry						
Donor Patient Registry S	earch EMDIS Service Help						
View Local New Show							
Search Commands							
Local Search	Local Search						
New Search	Search Options V Run Search Sort Result Report V Custom Report V Search Search V Search V Search V Search V Search V						
Search Options	Patients Add View Del Up Down						
Max. number of: AB ABDR	CB         A         B         C         DRB1         DQB1         DPB1						
- donors 5 20							
- A antig. MM 1 1	(No data to display)						
- Bantig. MM 1 1							
- Cantig. MM 0 0	0 ~						

The purpose of this option is to do an initial search for Belgian donors.

This action is independent from the formal search status of the patient. It is a first check to find out if Belgian donors are available for your patient.

The tool is explained in chapter III. Local search.

#### I.II.1.6. EMDIS

<b>9</b> [	Donor P	atient Searcl	n EMDIS	Service Help
New	old	Requests	Reports	$\chi$ Analytic tool for outgoing typing requests $\chi$ Analytic tool for outgoing sample requests
Messages Messages w/o answers EMDIS Commands			EMDIS Tools	

"New messages" – "old messages" – allows you to view the arrival of new EMDIS messages and to display the old messages you already consulted.

"Requests without answer" - pending messages will be displayed

"Analytic tool for incoming typing requests" - "Analytical tool for incoming sample requests"

The use of analytic tools is further explained in chapter II.XIV. Analytical tool.

"Reports" allows you to print EMDIS reports.

#### I.II.1.7. Service tools



Change password - allows you to change your password.

HLA codes toolbox - allows you to consult the renamed and deleted alleles.

**Template Manager** – not applicable for transplant centers.

#### I.II.1.8. Help



Prometheus Help – Not available.

EMDIS Help – Not available.

About – consultation of Prometheus version.

## **I.III. WORK PANEL PATIENT**

## I.III.1. UPPER PANEL

·	ί το το το τ				()	(		
Edit 🖉	EMDIS Status	Patient -	Search V	Request Result	FAX Req.	Local Search	Rep.	Word
			Kesuits [ ][ /					, <b>v</b>

After opening the patient record a panel with basic information about the patient will be displayed on the desktop. The panel also includes contextual buttons edit, EMDIS status, EMDIS patient update, EMDIS search results, EMDIS request, EMDIS result, fax req, local search, rep. and "X".

The tool bar of buttons:

- Edit: this button allows you to enter and edit the patient's data.
- **EMDIS status**: this button allows you to change the patient's EMDIS status, globally, or a selected HUB using the little arrow to the right of it.
- EMDIS patient update: this button allows you to change the previous EMDIS status.
- EMDIS search results: this button allows you to navigate between the EMDIS search results regarding the currently open patient.
- EMDIS request: this button allows you to send EMDIS requests.
- EMDIS result: this button allows you to send results.
- Fax req.: this button allows you to generate fax requests.
- Local search: this button opens the internal donor search tool.
- **Rep.**: this button opens the patient reports application.
- Word: not implemented



.

: this button closes the folder of the patient that is currently open.

Below the Status table:

Change status in selected HUBs

: this button allows you to change the

EMDIS status of the currently selected patient. Indicators EMDIS status show the status of the patient in other EMDIS registries.

#### I.III.2. Status of patient search

The table on the right shows the current status of the patient at each Registry.

Patient B	E								
Edit	EMDIS Status	RADIS Patient Update	EMDIS Search Results	Request	EMDIS Result	FAX Req.	Search Local	Rep.	×

Select	HUB	State	Watch	Search result	Reason		
	ALL	?					
	BE	Active		3/04/2013	NML		
	AT	?					
	AU	?					
	SE	?					
	CH	?					
	CZ	?					
	DE	Active		25/05/2013	NML		
	ES	?					
	FR	?					
	GB	?					
	IT	?					
	NL	?					
	NO	?					
	GL	Active		3/04/2013	NML		
	WA	?					
	US	Active		6/04/2013	NML		
	SX	?					
	Change status in selected HUBs						

#### I.III.3. Panel on second row



The patients data consists of four tabs: Patient (Record), Messages, Requests, Files (Attached Files) and Notes (patient notes).

#### I.III.3.1. Patient

The **patient record** tab shows the basic information of the patient, the table on the top right shows the current status of the patient at each Registry.

#### I.III.3.2. Messages

The **messages** tab allows you to see all EMDIS messages concerning the patient record. (more information see <u>chapter IV. EMDIS</u>).

#### I.III.3.3. Requests

The **requests** tab allows you to see the status of all activated requests.

#### I.III.3.4. Files

The **files** tab in the patient work panel enables you to attach external files to a patient, such as text documents or scans of fax messages etc:



#### Table description:

- file name: the name of the file, as it was imported;
- **description**: a short text description of the file;
- **date edit**: date and time of last change;
- edited by: name of the user that made the last change.

#### File management:



**Open file button:** open the highlighted file in the attached files table.

🖅 New file

New file button:

attach a file to the patient record.



#### Describe file button:

enter a text description of the file highlighted in the attached files table.



Update file button:

replaces the highlighted file in the attached files table with a new or updated version of the document.



Delete file button:

delete the highlighted file in the attached files table.



Save file button: save a copy of the highlighted file in the attached files table on your computer.

#### I.III.3.5. Notes

It is possible to add an unlimited free text note to the patient record. The text can be edited with the similar tools as available in Windows Word pad.

Select the **notes** tab to open the window screen:

Patient Messages [59] Requests Files [0] Notes [-]	
3 🝸 🖳 🛤 😨 🇱 🖹 🚍 🗐 🗐 📮 🧔 🔜 层 🗯 🗑 📄 💽 Create by ? / Last modification by ?	
	4

Type the text to add a note. To export or save the note to a different location, use the "save" icon on the tool bar. The text will be saved as a text file.

# **II. PATIENT MENU**

							Prometheu	s - Stem Cell Dono	r Registry		0
8	Donor	Patient	Search	EMDIS	Service	Help					
				🕥 Histon 🦈 Stack	1 *		📔 Active		$\checkmark$		
Select	New	/ Кер	orts	🕤 EMDIS	search	results		Analytic tool	Validate	Records to be validated (HLA/DNA)	Records to be validated (other info)
	Patient Commands Patient Tools Patient Validation										
No p											

The patient program functions are available in menu patient.

When closing your session, the currently open folder will be closed automatically. When opening another patient's record, the actual record will be closed as well.

## **II.I. Patient select**

The select option is explained in I.II.1.3.1. Select patient.

## II.II. Close

Operation     Control     Control <td>×</td>	×

## II.III. Patient data edit

For consulting or editing the patients record, go to "Patient – edit" or **(CtrI-P)**. More detailed information about the different tabs is explained in <u>II.IV</u>. Registration of a new patient.

The edit tool allows you to update the patient's record: changes in the tab ID, Medical and TX must not be validated again.

The typing update (tab DNA) must be validated again by double blind input (go to <u>chapter II.VI.</u> for validation of typing update).

## **II.IV. Registration of a new patient**

#### II.IV.1. Procedure

In Prometheus, Transplant Centers are allowed to register patients. After the registration, the patient will be validated by the Transplant Center itself (can be the same user with validation rights) or by another user.

It is the responsibility of the Transplant Center to apply to MDPB-R standard operating procedures. This includes:

**Disease categories**: listed in the MDPB001 preliminary search request. If MAC approval is required, the patient may not be registered until the MAC request has been approved. It is the responsibility of the Transplant Center to prevent patient registration before MAC has been approved.

**HLA typing**: The HLA typing of the patient must be COMPLETE, i.e. HLA-A, B, C (at least 2 digits), DRB1 (4 digits – at least intermediate resolution), DQB1 is highly recommended. The HLA typing must be at least confirmed on a second sample or segregated in a family. No search will be initiated if the above typing level is not available. It is the responsibility of the Transplant Center to check which Registries will be searched by consulting the BMDW search program.

Non-compliance will be notified to the annual review of the Quality Assurance program.

After the validation, the Registry will receive a message and check if the patient fulfills the requirements. The patient status will be set to suspended if the requirements are not fulfilled. The Registry will send you the "**notification of unrelated donor (URD) search**" to be sent to the INAMI/RIZIV.

#### **II.IV.2.** Patient registration



The patient registration consists of 5 screens :

- 1. Tab <u>I</u>D,
- 2. Tab Medical,

#### Tab <u>T</u>X,

- 3. Tab Serology,
- 4. Tab <u>D</u>NA.

#### 1. TAB ID:

New Patient		ОК	Esc
Registor	в		
Country:	BE		
IEI Transplant center	BETRAVUB1		
[E] Last Name			
[E] First Name			
Personal ID			
[E] Birth date			
[E] Sex	Male -		
[E] ABO	? •		
[E] Rhesus	? ▼ Validated no ▼		
[E] Weight	on		-
	by		
	OK + New 🗸 OK 🗶 Cancel	?	F1
\ <u>ID (M</u> edical ( <u>IX (S</u> erol ( <u>D</u> NA /		1	/5
		-	•

egistry: B p	refilled
ountry: BE	prefilled
ansplant Center: <b>pre</b>	filled
ist name: ma	ndatory EMDIS field
rst name : ma	ndatory EMDIS field
nal ID: NA	social security number ID card
rth date*: ma	ndatory EMDIS field
ex: ma	ndatory EMDIS field
30 : <b>opt</b>	ional EMDIS field
nesus: opt	ional EMDIS field
eight: opt	ional EMDIS field
ex: ma BO : opt nesus: opt eight: opt	ndatory EMDIS field ional EMDIS field ional EMDIS field ional EMDIS field

#### \*Birth Date:

A patient older than 65 years is considered as a non-standard indication in other registries, therefore submission of the IRB approved research protocol synopsis and the patient's Karnofsky performance scale at the time of registration are requested.

In the right corner below a validation screen is displayed:

Validated	no 🗸	
on		•
by		
🗸 ок	🗙 Cancel	<b>?</b> F1

You can immediately validate your data entry, by selecting "yes" (the other fields "on" and "by" will be completed by the system) to validate the user. The HLA validation has to be done separately because double blind input is mandatory.

(validation depends on validation rights, not all users have the right to validate patients).

The validation includes your **compliance** with standards (MDPB-R SOP).

**Disease categories**: listed in the MDPB001 preliminary search request. If MAC approval is required, the patient may not be registered until the MAC request has been approved. It is the responsibility of the Transplant Center to prevent patient registration before MAC has been approved. The disease categories are based on those published according to the EBMT guidelines in bone marrow transplantation.

**HLA typing**: The HLA typing of the patient must be COMPLETE, i.e. HLA-A, B, C (at least 2 digits), DRB1 (4 digits – at least intermediate resolution), DQB1 is highly recommended. The HLA typing must be at least confirmed on a second sample or segregated in a family. No search will be initiated if the above typing level is not available. It is the responsibility of the Transplant Center to check which Registries will be searched by consulting the BMDW search program.

Non-compliance will be notified to the annual review of the Quality Assurance program.

New Patient				_	ок	Esc
<u>Diagnosis</u>						
[E] DG Emdis	?					
[E] DG Emdis Text						
Cust.dis.phase		 [E] Date DG		•		
Physician						
[E] Disease phase	?					
Patient Sta	<u>tus</u>					
Status					•	
Status changed	<b>•</b>					
Comment						
		v	alidatod	no v		
<u>IDM</u>		ľ	anuateu			_
[E] CMV	· ·		on		_`	
			by			
	· /-··· / D · · · · · · · · · · · · · · · ·	OK + Ne <del>w</del>	🗸 ок	🗙 Cancel	?	F1
<u>\ID λMedical λTX λSerol</u>	I <u>KDNA</u> /				2	/ 5
					•	•

#### 2. TAB MEDICAL:

#### Diagnosis

Patient diagnosis code	Mandatory
Patient diagnosis text	Mandatory in case of OL, OM, OND
Cfr MDPB-R SOP	Mandatory
Patient diagnosis date	Optional
Treating physician	Optional
Disease phase	Optional
	Patient diagnosis code Patient diagnosis text Cfr MDPB-R SOP Patient diagnosis date Treating physician Disease phase

#### Patient status

Status Status changed Comment

#### IDM

(E) CMV

Patient CMV status

Optional

#### (E) DG EMDIS:

The diagnosis of the patient is a required field : press \_\_\_\_\_ to display selection list:

[E] DG Emdis	

👰 Pat	ient DO	G _ 🗖 🗙
Num	ID	Name
0	?	?
1	AML	Acute Myelogenous Leukaemia
2	ALL	Acute Lymphoblastic Leukaemia
3	CML	Chronic Myelogenous Leukaemia
4	OL	Other Leukaemia
5	нг	Hodgkin's Lymphoma
6	MDS	Myelodysplastic Disorders
7	NHL	Non-Hodgkin's Lymphoma
8	PCD	Plasma Cell Disorder
9	HIS	Histiocytic Disorders
10	OM	Other Malignancy
11	IEA	Inherited Erythrocyte Abnormality
12	IIS	Inherited Immune System Disorder
13	ЪФ	Inherited Metabolic Disorder
14	IPA	Inherited Platelet Abnormality
15	SAA	Severe Aplastic Anaemia
16	OND	Other Non-malignant Disease
Select	item by	cursor move and key Enter
1/1	7	🗸 🗶 ?

P DIAG TEXT		Additional evaluations tost describing the diagnosis of	4.50	Eres forms as a note 4 in the appendix
F_DIAG_TEAT	FAI_OFD	Additional explanatory text describing the diagnosis of	AGU	Free form, see note it in the appendix
		the patient for P_DIAG codes OL_OM and OND		

#### (E) DG EMDIS Text:

If the patient's disease is **OL** (Other leukaemia), **OM** (Other malignance) or **OND** (Other non-malignant disease) the DG EMDIS text field is required: additional explanatory text must describe the diagnosis of the patient.

#### Customized disease phase:

This field has been created to apply to the MDPB-R SOP: categories are listed in the MDPB001 preliminary search request. If MAC approval is required, the patient may not be registered until the MAC request has been approved. It is the responsibility of the Transplant Center to prevent patient registration before MAC has been approved.

Select a value (disease stage) from the list, this information will not be sent to EMDIS.

Select v	alue from list	×
01	1st and 2nd relapse	
02	1st or 2nd complete remission (CR)	
03	1st or 2nd relapse	
04	3rd + CR	
05	3rd + relapse	
06	Accelerated phase	
07	Adrenoleucodystrophia	
08	Amegacaryocytosis	
09	Ataxia Telangiectasia	
10	Blast phase	
11	Chronic phase (CP) 1	
12	Combined immunodeficiency	
13	CP 2+	
14	CR	
15	CR1	-

16	Essential trombocytemia	
17	Familial lymphohistiocytosis	
18	Fanconi anemia	
19	Glanzmann Thrombastenia	
20	Highest IPSS<1.5	
21	Highest IPSS>1.5	
22	Histiocytosis	
23	Hurler Syndrom	
24	Idiopathic aplasia	
25	Leukemia with plasmocytes	
26	Multiple myeloma	
27	Myelofibrosis	
28	Ommen syndrome	
29	Other constitutional aplasia	
30	Other non constitutional aplasia	
30 31	Other non constitutional aplasia Other please specify:	
30 31 32	Other non constitutional aplasia Other please specify: Other secondary medullary aplasia	
30 31 32 33	Other non constitutional aplasia Other please specify: Other secondary medullary aplasia Paroxysmal nocturnal hemoglobinuria	
30 31 32 33 34	Other non constitutional aplasia Other please specify: Other secondary medullary aplasia Paroxysmal nocturnal hemoglobinuria Polycythemia vera (Vaquez)	
30 31 32 33 34 35	Other non constitutional aplasia         Other please specify:         Other secondary medullary aplasia         Paroxysmal nocturnal hemoglobinuria         Polycythemia vera (Vaquez)         Refractory to Fludarabine	
30 31 32 33 34 35 36	Other non constitutional aplasia         Other please specify:         Other secondary medullary aplasia         Paroxysmal nocturnal hemoglobinuria         Polycythemia vera (Vaquez)         Refractory to Fludarabine         Secondary idiopathic medullary aplasia	
30 31 32 33 34 35 36 37	Other non constitutional aplasia         Other please specify:         Other secondary medullary aplasia         Paroxysmal nocturnal hemoglobinuria         Polycythemia vera (Vaquez)         Refractory to Fludarabine         Secondary idiopathic medullary aplasia         Secondary post hepatic medullary aplasia	
30 31 32 33 34 35 36 37 38	Other non constitutional aplasia         Other please specify:         Other secondary medullary aplasia         Paroxysmal nocturnal hemoglobinuria         Polycythemia vera (Vaquez)         Refractory to Fludarabine         Secondary post hepatic medullary aplasia         Secondary toxic medullary aplasia         Secondary toxic medullary aplasia	
30 31 32 33 34 35 36 37 38 39	Other non constitutional aplasia         Other please specify:         Other secondary medullary aplasia         Paroxysmal nocturnal hemoglobinuria         Polycythemia vera (Vaquez)         Refractory to Fludarabine         Secondary post hepatic medullary aplasia         Secondary toxic medullary aplasia         Severe combined immunodeficiency	
30 31 32 33 34 35 36 37 38 39 40	Other non constitutional aplasia         Other please specify:         Other secondary medullary aplasia         Paroxysmal nocturnal hemoglobinuria         Polycythemia vera (Vaquez)         Refractory to Fludarabine         Secondary post hepatic medullary aplasia         Secondary toxic medullary aplasia         Severe combined immunodeficiency         Sickle cell anemia	
30 31 32 33 34 35 36 37 38 39 40 41	Other non constitutional aplasia         Other please specify:         Other secondary medullary aplasia         Paroxysmal nocturnal hemoglobinuria         Polycythemia vera (Vaquez)         Refractory to Fludarabine         Secondary post hepatic medullary aplasia         Secondary toxic medullary aplasia         Severe combined immunodeficiency         Sickle cell anemia         Thalassemia	
30 31 32 33 34 35 36 37 38 39 40 41 42	Other non constitutional aplasia         Other please specify:         Other secondary medullary aplasia         Paroxysmal nocturnal hemoglobinuria         Polycythemia vera (Vaquez)         Refractory to Fludarabine         Secondary post hepatic medullary aplasia         Secondary toxic medullary aplasia         Severe combined immunodeficiency         Sickle cell anemia         Thalassemia         Wiskott Aldrich syndrome	
30 31 32 33 34 35 36 37 38 39 40 41 42 43	Other non constitutional aplasiaOther please specify:Other secondary medullary aplasiaParoxysmal nocturnal hemoglobinuriaPolycythemia vera (Vaquez)Refractory to FludarabineSecondary idiopathic medullary aplasiaSecondary post hepatic medullary aplasiaSecondary toxic medullary aplasiaSevere combined immunodeficiencySickle cell anemiaThalassemiaWiskott Aldrich syndromeWith Del p53 (17p-)	

If the disease is not listed in the above list, the information can be typed in the (E) DG EMDIS Text.

#### (E) Disease phase:

The EMDIS disease phase will be sent to EMDIS, but is not a mandatory field.

#### Patient status

The patient status are data not sent via EMDIS, it is for your own information.

For patients cancelled in Syrenad the reason of cancellation, date of cancellation and donor code have been uploaded in these fields.

The status of a patient in Prometheus can be preliminary, active, suspended or cancelled and is further explained in <u>chapter IV.II. Patient status</u>.

#### <u>IDM</u>

(E) CMV: patient CMV is an optional field.

0 = questionable

1= Positive

2= Negative

#### **Validated**

Identical to validation in tab ID.

#### **3. TAB TX TRANSPLANTATION:**

New Patient	OK Esc
Transplantation	
First transplantation	
Donor ID	
Source ? Donor registry	
Second transplantation	
Donor ID - Date -	
Source ? • Donor registry •	
Third transplantation	
Donor ID - Date V	alidated no -
Source ? Donor registry .	on version ver
OK + New	✓ OK X Cancel ? F1
<u>\ID {Medical }IX {Serol {DNA }</u>	3/5
	<b>↓</b> ►

This screen offers the possibility to enter information regarding performed transplantations: **First** - **second - third transplantation.** 

(donor ID - date - source (BM - CB - DLI - PBSC - DCB - MSC - NKC - other) - donor Registry)

Source	?	•	
	0	?	$\vdash$
C	1	BM	
<u>Secc</u>	2	СВ	10
Donor ID	3	DLI	
	4	PBSC	
C	5	DCB	
Source	6	MSC	
	7	NKC	
	8	Other	

- 1. Bone Marrow
- 2. Cord Blood
- 3. Donor Lymhocyte infusion
- 4. Peripheral Blood stem cells
- 5. Dendritic cells from blood (can be requested in research protocols)
- 6. Mesenchymal stem cell
- 7. NK cells (natural killer cells)
- 8. Other (could include MNS Mononuclear cells).

Patient Messages [0] Requests Files [0] Notes [-]

#### For validation:

Identical to validation in tab ID.

#### 4. TAB SEROLOGY

Prometheus don't require to enter serology typing or search determinants. It is not necessary to enter this screen if DNA values are available.

New Patient							ОК	Esc
[E] Serology								
HLA-A		•						
HLA-B		•						
HLA-C		•						
HLA-DR		•						
HLA-DQ	·	•						
					<b>4</b> - 11			
<u>Γ</u> <u>ΙD (M</u> edical (IX )Serol (DNA	1 .			UK + New	VUK	X Cancel		F1
	_						4	75 ►

#### <u>5. TAB DNA</u>

It is the responsibility of the Transplant Center to enter complete data according to the MDP-R SOP; The HLA typing of the patient must be COMPLETE, i.e.. HLA-A, B, C (at least 2 digits), DRB1 (4 digits – at least intermediate resolution), DQB1 is highly recommended.

New Pat	ient					OK	Esc
	<u>[E] DNA</u>						
A*			•				
B*			•				
C*			•				
DRB1*			•				
DRB3*							
DRB4*							
DRB5*							
DQB1*							
DQA1*				 Date of typing 1		<b>.</b>	
DPB1*				 Date of typing 2		•	
DPA1*				 Laboratory	BELABVUB		
				,			
				0K + New 🖌	OK X Cancel	2	F1
<u>id (M</u>	edical <u>(TX (S</u> erol ) D	NA /					
							/ ►

See <u>chapter I.II.1.4.4</u> for more information about entry of HLA typings.

Date of typing 1 - enter the date of typing Date of typing 2 Laboratory - prefilled

#### **II.IV.3. ERRORS AND WARNINGS**

Validation of the patient will be done stepwise. The Basic requirements for patient registration in Prometheus are the following: the patient record can be edited by filling only the patient's name, but validation is only possible after all requirements have been fulfilled.



A patient can be registered neglecting the yellow warnings, but the it will not be possible to validate the patient or change the patient status or activate the search.

## II.V. Patient data change history

## II.V.1. History

atient	Search	EMDIS
-	🕤 Hie	story 🔻
	۴ •	History

The history of the patient data change is called up by

Open the patient's record and then go to "patient – history". If a history for the patient exists, the table with his data will appear, otherwise a blank table will be opened. The user's individual actions will be logged in this history tracking audit.

History of p	atient				—	
User	Operation	On Time	Field Name	Old Value	New Value	
		d	No data to display>			
44 1 1 10 101 1	4					
	•					
						2
					<ul> <li>Image: A start of the start of</li></ul>	?
History of p	atient					?
History of p	atient	0n Time	Field Name	Old Value		?
History of p User	atient Operation	On Time	Field Name	Old Value	New Value	?
History of p User UZA	Operation Update	On Time 27.08.2012 8:18:25 27.09.2012 8:18:25	Field Name ANTIGVER TYPINGCENTERDNA1	Old Value	New Value	?
History of p User UZA UZA	Operation Update Update	On Time 27.08.2012 8:18:25 27.08.2012 8:18:25 27.09.2012 9:19.25	Field Name ANTIGVER TYPINGCENTERDNA1	Old Value 0	New Value	?
History of p User UZA UZA UZA	Operation Update Update Update	On Time 27.08.2012 8:18:25 27.08.2012 8:18:25 27.08.2012 8:18:25 27.08.2012 8:18:25	Field Name ANTIGVER TYPINGCENTERDNA1 DQB11	0 Old Value 0 03:01	New Value	?
History of p User UZA UZA UZA UZA	Operation Update Update Update Update Update	On Time 27.08.2012 8:18:25 27.08.2012 8:18:25 27.08.2012 8:18:25 27.08.2012 8:18:25 27.08.2012 8:18:25	Field Name ANTIGVER TYPINGCENTERDNA1 DQB11 HLADQ1	0ld Value 0 03:01 7	New Value	?
History of p User UZA UZA UZA UZA UZA	Operation Update Update Update Update Update	On Time 27.08.2012 8:18:25 27.08.2012 8:18:25 27.08.2012 8:18:25 27.08.2012 8:18:25 27.08.2012 8:18:25 27.08.2012 8:18:25	Field Name ANTIGVER TYPINGCENTERDNA1 DQB11 HLADQ1 DNA2DATEREV	0ld Value 0 03:01 7	New Value	?
History of p User UZA UZA UZA UZA UZA UZA	Operation Update Update Update Update Update Update Update	On Time 27.08.2012 8:18:25 27.08.2012 8:18:25 27.08.2012 8:18:25 27.08.2012 8:18:25 27.08.2012 8:18:25 27.08.2012 8:18:25	Field Name ANTIGVER TYPINGCENTERDNA1 DQB11 HLADQ1 DNA2DATEREV DNA1DATEREV	0ld Value 0 03:01 7	New Value	?
History of p User UZA UZA UZA UZA UZA UZA UZA	Update Update Update Update Update Update Update Update Update	On Time 27.08.2012 8:18:25 27.08.2012 8:18:25 27.08.2012 8:18:25 27.08.2012 8:18:25 27.08.2012 8:18:25 27.08.2012 8:18:25 27.08.2012 8:18:25	Field Name ANTIGVER TYPINGCENTERDNA1 DQB11 HLADQ1 DNA2DATEREV DNA1DATEREV HLADRDATEREV	0Id Value 0 03:01 7	New Value	?
History of p User UZA UZA UZA UZA UZA UZA UZA UZA UZA	Update Update Update Update Update Update Update Update Update Update Update Update	On Time 27.08.2012 8:18:25 27.08.2012 8:18:25 27.08.2012 8:18:25 27.08.2012 8:18:25 27.08.2012 8:18:25 27.08.2012 8:18:25 27.08.2012 8:18:25 27.08.2012 8:18:24	Field Name ANTIGVER TYPINGCENTERDNA1 DQB11 HLADQ1 DNA2DATEREV DNA1DATEREV HLADRDATEREV WHOEDIT	0ld Value 0 03:01 7 	New Value	?
History of p User UZA UZA UZA UZA UZA UZA UZA UZA UZA UZA	Update Update Update Update Update Update Update Update Update Update Update Update Update	On Time 27.08.2012 8:18:25 27.08.2012 8:18:25 27.08.2012 8:18:25 27.08.2012 8:18:25 27.08.2012 8:18:25 27.08.2012 8:18:25 27.08.2012 8:18:25 27.08.2012 8:18:24 27.08.2012 8:18:24	Field Name ANTIGVER TYPINGCENTERDNA1 DQB11 HLADQ1 DNA2DATEREV DNA1DATEREV HLADRDATEREV WHOEDIT DATETIMECHECK	Old Value 0 03:01 7 0 0 0 0 02:08:2012	New Value	?
History of p USer UZA UZA UZA UZA UZA UZA UZA UZA UZA UZA	Deperation Update Update Update Update Update Update Update Update Update Update Update	On Time 27.08.2012 &18:25 27.08.2012 &18:25 27.08.2012 &18:25 27.08.2012 &18:25 27.08.2012 &18:25 27.08.2012 &18:25 27.08.2012 &18:25 27.08.2012 &18:24 27.08.2012 &18:24	Field Name ANTIGVER TYPINGCENTERDNA1 DQB11 HLADQ1 DNA2DATEREV DNA1DATEREV HLADRDATEREV WHOEDIT DATETIMECHECK DATETIMEEDIT	0Id Value 0 03:01 7 0 0 0 02.08.2012 01.02.2012	New Value           1           BELABSJB           03:02           8           27.08.2012           27.08.2012           146           27.08.2012	?
History of p UZA UZA UZA UZA UZA UZA UZA UZA UZA UZA	atient Update Update Update Update Update Update Update Update Update Update	On Time 27.08.2012 8:18:25 27.08.2012 8:18:25 27.08.2012 8:18:25 27.08.2012 8:18:25 27.08.2012 8:18:25 27.08.2012 8:18:25 27.08.2012 8:18:24 27.08.2012 8:18:24 27.08.2012 8:18:24	Field Name ANTIGVER TYPINGCENTERDNA1 DQB11 HLADQ1 DNA2DATEREV DNA1DATEREV HLADRDATEREV WHOEDIT DATETIMECHECK DATETIMEEDIT	0Id Value 0 03:01 7 0 0 0 0 02.08.2012 01.02.2012	New Value           1           BELABSJB           03:02           8           27.08.2012           27.08.2012           146           27.08.2012	?
History of p User UZA UZA UZA UZA UZA UZA UZA UZA UZA	atient  Update	On Time 27.08.2012 8:18:25 27.08.2012 8:18:25 27.08.2012 8:18:25 27.08.2012 8:18:25 27.08.2012 8:18:25 27.08.2012 8:18:25 27.08.2012 8:18:24 27.08.2012 8:18:24 27.08.2012 8:18:24	Field Name ANTIGVER TYPINGCENTERDNA1 DQB11 HLADQ1 DNA2DATEREV DNA1DATEREV HLADRDATEREV WHOEDIT DATETIMECHECK DATETIMEEDIT	0Id Value 0 03:01 7 0 0 02.08.2012 01.02.2012	New Value           1           BELABSJB           03:02           8           27.08.2012           27.08.2012           146           27.08.2012           146           27.08.2012	?
History of p USer UZA UZA UZA UZA UZA UZA UZA UZA UZA UZA	atient  Update	On Time 27.08.2012 & 18.25 27.08.2012 & 18.25 27.08.2012 & 18.25 27.08.2012 & 18.25 27.08.2012 & 18.25 27.08.2012 & 18.25 27.08.2012 & 18.24 27.08.2012 & 18.24 27.08.2012 & 18.24	Field Name ANTIGVER TYPINGCENTERDNA1 DQB11 HLADQ1 DNA2DATEREV DNA1DATEREV HLADRDATEREV WHOEDIT DATETIMECHECK DATETIMEEDIT	0Id Value 0 0 0 03:01 7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	New Value           1           BELABSJB           03:02           8           27.08.2012           27.08.2012           146           27.08.2012           146           27.08.2012	?

Patient data change history

#### History window description

the title bar:	patient code		
user:	the individual who did the "operation"		
on time:	time of operation		
field name:	changed value names		
old value:	original value before the update		

new name: contains the new value

#### Navigation

There is a navigation panel on the bottom-left, right above the data result. Navigation arrows allow movement in the table (left to right): first record, previous record, next and last record. Filtering and sorting are equally possible.

#### Termination

Press or or to terminate the history window screen.

Patient Messages [0] Requests Files [0] Notes [-]

## II.V.2. Typing history



The option Typing history is only available for consultation purposes: History of HLA typing is better documented. It is also possible to print a report with the discrepancies.

## **II.VI. Validation**

After a patient registration, a patient file has to be validated. The validation consists of 2 parts:

- 1. HLA/DNA to be validated;
- 2. Medical data to be validated.

(Medical data can also immediately be validated when registering the patient file)
Patient Test Version 180 First Nam	ie Test									
Edit Status - RDIS Patient - REMDIS Search	EMDIS Reques	st EMDIS Result	ø	FAX Req.	1	Local Search	∳Rep.	×		
Patient Messages [0] Requests Files [0] Notes [-]										
Patient BE73221P		Status	*	Select	HUB	State Wa	tch Search result	Reason		
Name Test Version 180 First Name Test		DG HL	DG D		ALL	? [	<u>]</u>			
Periotry P TV center PFTDall/281 Developing					BE	?	]			
Regiscry B IX Center DETRACZAT Physician					AT	? L	<u></u>			
DOB WEIGHT 0 ABO ?	Rh ?	CMV Unknow	m		AU	? L	]			
A*01:01:01 B*15:01 C*01:02:01 DBB1*01:01	DO	DBB3 *	D		эс гн	Γ L 2 Γ	J 7			
01:01:01 15:01 01:02:01 01:01		5100	-			2	<u></u>			
			_		DE	? [	1			
Record changed on 02.09.2015 at 10:24 b	v Karin Bal				ES	? [	<u>i</u>			
Record inserted on 02.09.2015 at 10:24 b	y Karin Bal				FR	? [	5			
					GB	? [				
HLA/DNA to be validated				•	IT	? [	ו			
Medical data to be validated					NL	? [	2			
					NO	? [	]			
					GL	? [	]			
					WA	? [				
					US	? [	]			
					SX	?	]			
( )			►			Change status i	n selected HUBs			

The red text below will indicate the validation status of the patient record:



### 1. HLA/ DNA to be validated

Open the patients record and then select "validate" in the patient menu

	Prometheus - Stem Cell Donor Registry										
8	Donor	Patient	Search	EMDIS	Service	Help					
			History Stack SP		ch results		<b>V</b>				
Select	New Re	ports 🔐 D	)elete	11010 000	criticouro	Analytic Tool for EMDIS Patients	Validate	Records to be alidated (HLA/DNA)	Records to be validated (Other info)		
		Patient C	Commands			Patient Tools	Patient Validation				

Selecting **"validate"** will open the following validation screen, which enables the validation using double blind screens.

BE - validation of DNA/HLA values										
Serology :										
HLA - A :										
HLA - B :										
HLA - C :										
HLA - DR :										
HLA - DQ :										
DNA :										
A* :										
B* :										
C* :										
DRB1* :										
DRB3* :										
UKD4";										
DRB5* :										
DQB1* :										
DQA1* :										
DPB1* :										
DPA1* :										
Check all			<b>□</b> ⁄ 01	Cancel						

Enter the HLA data:

BE - validation of DNA/HLA values									
Serology :									
HLA - A :									
HLA - B :									
HLA - C :									
HLA - DR :		]							
HLA - DQ :									
DNA :									
A* :	02:01		33:01						
B* :	14:02		51:01						
C* :	08:02		14:02						
DRB1* :	03:01		08:01						
DRB3* :									
DRB4* :									
DRB5* :									
DQB1* :	02:01		05:02						
DQA1* :									
DPB1* :									
DPA1* :									
Check all			<b>□</b> (0)	Cancel					

The check box will appear when all data have been entered in the fields, if any field missing, the record cannot be validated:



Press check all and the validated data will be highlighted in green:

Press "OK" to validate.

Donor Patient Registry Search EMDIS Service Help	6
Select New Reports Select Commands Of History - Select New Reports Select Commands Of History - Select New Reports Search results Validate Reports Validate Rep	ecords to be Records to be ted (HLA/DNA) validated (other info) Patient Validation
Patient Test Version 180 First Name Test	
Edit Status - CALL FACTOR FACTOR FOR CONTRACT - EMDIS Search Regulated Factor Regulated Fac	EMDIS Result Req. Local Search Kep.
Patient Messages [0] Requests Files [0] Notes [-]	
Patient Stat	Select HUB State Watch Search result Reason
Name Test Version 180 First Name Test	DG HI. DG D ALL ?
Registry B TX center BETRAUZAI Physician	AT ?
DOB WEIGHT 0 ABO ? Rh ? C	MV Unknown AU ?
	✓         SE         ?         □
A*01:01:01 B*15:01 C*01:02:01 DKB1*01:01 DQ DKB 01:01:01 15:01 01:02:01 01:01	
Record changed on 02.09.2015 at 10:27 by Karin Bal	
Webbra inserted on 02.09.2015 at 10:24 by Karin Bal	
Medical data to be validated	
	✓ <b>5X</b> ?
4	Change status in selected HUBs

The hla of the record is validated : HLA/DNA validated on "date" "hour" "user" will appear in blue below in the screen.

### 2. Medical data to be validated

Medical data to be validated

The HLA/DNA data has been validated, to validate the medical data, go to the patients record via "EDIT".

Patient_RE												
Edit Status V Reque	Status - Result - Result - Result - Result - Result - Result							×				
Patient Messages [0] Requests Files [0] Notes [-]												
Patient BE	Status	<b>A</b>	Select	HUB	State	Watch 9	iearch result	Reason				
Name Test Version 180 First Name Test	DG HL	DG D		ALL	?							
Decistry B TV center BFTD31/201 Diversion				BE	?							
				AT	?							
DOB WEIGHT U ABO ? Rh ?	CMV Unkno	wn		SE	r 2							
A*01:01:01 B*15:01 C*01:02:01 DRB1*01:01 DQ	DRB3 *	D		CH	?							
01:01:01 15:01 01:02:01 01:01				cz	?							
				DE	?							
Record changed on 02.09.2015 at 10:27 by Karin Bal				ES	?							
Record inserted on 02.09.2015 at 10:24 by Karin Bal				FR	?							
HLA/DNA validated on 02.09.2015 at 10:27 by Karin Bal.				GB	?							
Medical data to be validated					?							
				NO	2							
				GL	?							
				WA	?							
		•	US	?								
SX ?												
4					Change	status in sele	cted HUBs					

The following tabs:

- ID
- Medical
- TX

must be validated by clicking "yes" in the check boxes: the registration date (field "on") and the user ("by") will be logged by the system.



After this operation, the system asks to confirm the medical validation:



The patient's record will display that the record has been validated: Medical data validated on date/hour/by user.

Patient BE73221P - Test Version 180 First Name Test											
Edit Status - Republic FMDIS Search Results	EMDIS Request	EMDIS Result	Ø F	FAX teq.	1	Cocal Search	Rep	<b>b</b> .	×		
Patient Messages [0] Requests Files [0] Notes [-]											
Patient	Status		^	Select	HUB	State	Watch	Search result	Reason		
Name Test Version 180 First Name Test	DG 1	HL DG	D		ALL	?					
Registry B TX center BETRAUZA1 Physician					BE	?					
		v_1			A1 A11	2					
	CHV	UIDKITOWIT			SE	?					
A*01:01:01 B*15:01 C*01:02:01 DRB1*01:01 DQ	DRB3 *		D		СН	?					
01:01:01 15:01 01:02:01 01:01		_		✓	cz	?					
				$\checkmark$	DE	?					
Record changed on 02.09.2015 at 10:31 by Karin	Bal				ES	?					
Record inserted on 02.09.2015 at 10:24 by Karin	Bal				FR	?					
Medical data validated on 02.09.2015 at 10:21 by Karin	Bal		-		LIB IT	?					
					NI	2					
					NO	2					
					GL	?					
				✓	WA	?					
				✓	US	?					
				✓	SX	?					
4	1	,				Change	e status in sel	ected HUBs			

### 3. Discrepancies found

In case of discrepancies, the differences will be revealed :

BE - valid	lation of DNA/HL	.A values				V	ES FB	?			
Serology :							GB	?			
HLA - A :					Informa	tion					
HLA - B :											
HLA - C :					😲	DNA veritio	cation 1	ound 1 discre	pancies	. They are r	narked by i
HLA - DR :											
HLA - DQ :										ОК	
DNA :									_		
A* :	01:01	01:01	03:01	03:01							
B* :	44:05	44:05	57:01	57:01							
C* :											
DRB1* :	07:02	07:01									
DRB3* :											
DRB4* :											
DRB5* :											
DQB1* :											
DQA1* :											
DPB1* :											
DPA1* :											
Check all	]		By or	K X Cancel							

If the "validator" made a mistake, he or she can try again, correct and then press ok. The following screen will be displayed:

BE - valid	ation of DNA/HL	.A values			
Serology :					
HLA - A :					
HLA - B :					
HLA - C :					
HLA - DR :					
HLA - DQ :					
DNA :					
A* :	01:01	01:01	03:01		03:01
B* :	44:05	44:05	57:01		57:01
C* :					
DRB1* :	07:02	07:01			
DRB3* :					
DRB4* :					
DRB5* :					
DQB1* :					
DQA1* :					
DPB1* :					
DPA1* :					
Check all	Failed validation		[	🕄 ок	X Cancel

Press ok, and the record will be validated.

If the original typing is incorrect, press "failed validation".

Confirr	n 🗙
?	Do you confirm the failed validation ?
	Yes <u>N</u> o

The patient's record will display the "HLA-DNA validation failed':

Patient							Status		
Name	Prometheus	s Jan					DG	HL. DG	Date 02.
Registry	в	TX center	BETRAKUL1	PI	hysician				
DOB		WEIGHT	89		ABO ?	Rh ?	CMV	Unknown	
A*01:01	B*44:05	С	DRB1*0	7:01	DQ		DRB3 *	DRB	4*
03:01	37:01								
	Record	changed	on 02.07.2	012 at	11:38 by	carla			
	Record	inserted	on 02.07.2	012 at	11:34 by	carla			
			-						
HLA/I	DNA valida	tion fail	ed.						
Medica	ι αατα το ι	pe valida	τεα						

The original typing can then be updated and needs to be validated again. The validator is responsible for the follow up of failed validations: she or he can update the typing and validate again or ask the initial user to update the typing. The failed validation will be listed in the "Records to be listed".

### 4. Typing update

The file has been edited by entering a new value for DQB1:

Edit Pat	ient Vali / BE			ОК	Esc
	[ <u>E] DNA</u>				
<b>A</b> *	01:01	•	03:01		
<b>B</b> *	44:05	•	57:01		
C*	02:02	•	06:02		
DRB1*	07:01	•			
DRB3*					
DRB4*					
DRB5*					
DQB1*	03:03	•			
DQA1*				•	
DPB1*			Date of typing 2	•	
DPA1*			Laboratory BELABHILA		
JID (Me	dical (TX (Serol ) DNA /		V OK _ 🗶 Cancel	?	P F1
(ID VME				Ę	j/5
				-	• •

In case of a typing update the record will have status "HLA/DNA to be validated" again. Press validate for validation:

BE - validation of DNA/HLA values	
<u>Serology :</u>	
DNA :	
DOD/H.	
Check all	Cancel

Enter the HLA typing and press ok for validation.

If the updated typing is incorrect, you can save the failed validation (mismatching) by pressing "failed validation".

DQB1* :	05:01	05:01	03:03
Check all F	ailed validation	[	© OK X Cancel

Do you confirm the failed validation ?
<u>Y</u> es <u>N</u> o

The patient's record will display the "HLA-DNA validation failed'.

# II.VII. Records to be validated (HLA/DNA)

The "**X records to be validated (HLA/DNA)**" will give an overview of all records to be HLA/DNA validated, this option is however only available for users with validation rights:



If a patient has been registered, and the file needs to be validated, the file will be listed.

Select: X records to be validated.

The following window screen will be opened:

BE - reco	rds wating fo	or validation (	patient	5)		
Drag a colum						
Patient ID	First name	Surname		Changed when	Cha	nged by
Show only show path Validate	r patients with faile lents with not valid	d validation ated medical data	shou	w only patients waiting w only patients newly a	for valida dded and i OK	tion of update not validated X Cancel

	1	1		
BE43865P	John	Prometheus	02.07.2012 12:06:00	carla
£			I	l

Below several additional options are available:

- Show only patients with failed validation:
   Patients with status failed validation.
- Show patients with not validated medical data: List of patients with medical data to be validated.
- Show only patients waiting for validation of update: List of patients with typing update to be validated.
- Show only patients newly added and not validated: patients with both status HLA/DNA to be validated and medical data to be validated will be listed.

Patient ID	First name	Surname	Changed when	Changed by	
	John	Prometheus	02.07.2012 12:0	16:00 carl	3

### Select the patient's record and press validate for validation:

- If it concerns DNA/HLA value validation: the double blind entry screen will be opened;
- If it concerns medical data to be validated the patient record will be opened, press OK, and validate the medical data via EDIT and ticking the check boxes.

# II.VIII. Records to be validated (other info)



This option displays a table with all patients with pending medical validation. However, other validations can also be selected by the buttons below the window screen (identical to <u>chapter II.VII.</u>)

# **II.X. EMDIS search results**



This option allows to consult the EMDIS search results for you active patient (in detail described in chapter IV.III. Search results).

# II.XI. Stack



The patient stack has a similar function as the donor stack and it's control is the same. The patient stack can be in addition used for a multiple donor search for patients.

The content of a patient stack (set of patients) is saved in a database - it means that the content will stay saved even after termination and restart of the program. Each user works with his own patient stack : each user has at his disposal three sets (stacks) of patients, those are marked by numbers 1, 2 and 3. Data can be stored in all three stacks at once but only one stack is always actively used.

Active stack:	select the stack (stack $1 - 2 - 3$ )
Add:	adds a patient to the stack
Remove :	removes a selected patient from the active stack, the patient is deleted from
	the stack, but will not be cancelled from the patient database.
Remove all:	deletes all patients from the active stack
Export:	enables to export your data to an external excel – text – html – xml file.

You can open the patient stack through the use of menu command **Patient|Patient stack**. The following screen will be opened:

🕼 Stack of Pa	tients 1					_ 🗆 X
Patient ID	Name					
<no dat<="" td=""><td>ta to display&gt;</td><td></td><td></td><td></td><td></td><td></td></no>	ta to display>					
				Active stack		
Add	Remove Rem	ove all	Export		✓ X	7 7
Add	Remove	ove all	Export	123	✓ ×	?

Press "add" to add a patient the patient stack.

Enter the patient code or search through the patient select option the patient you wish to add to the stack:

👰 Stack of	Patients 1					
Patient ID	Name					
BE						
BE						
BE						
				Active stack		
Add	Remove	ove all	Export	1 2 3	<ul> <li>&gt;</li> </ul>	( ?

Press "**validate**" to end your stack creation, your stack number 1 will be saved. To call up your different stacks, go to **menu|stack**, the above window screen will be opened, it is possible to browse between the different stacks you created.

# **II.XII.** Patient reports



The PROMETHEUS program allows a print out of various reports of one or more patients. The menu

of possible print reports can be called up by the button Reports. Each report is described by its name (Name) and brief description (Description). When you select the report, more detailed information will appear on the bottom part of the screen.

### Patient report selection

After selecting a report and pressing the button OK (or double clicking) the print report preview will displayed.

S Patie	ent reports (active stack: 1)
Report Name	Description
PATREP001.REP	All information (selected patient)
PATREP031.REP	Stack of Patients (stack)
PATREP060.REP	List of transplantations (special)
PATREP061.REP	Transplant report
PATREP 140.REP	Patient Tissue Typing Report
PATREP 141.REP	Patient List
PATREP 151.REP	Typing report
PATREP 171.REP	LYRT010 - Turn Around report
PATREP 173.REP	Weekly report
PATREP211.REP	Confirmatory typing report

### **PATREP001:** patient information

Patient Report PAT001					Varros: Der er es a saster de der Rengion	Marrow I Motstraat 40 2800 Meche Belgium	Donor P	rogram Belg	ium - Reg	istry
Dationt ID										
Old/External nationt ID		1		1						
Desister ID			•	1						
Registry ID	•	•	•	•	Б					
Patient center	•		•		BETRAANS1					
Patient Status										
Closure Reason					Other reas	on				
Closure Date					15.12.2017					
Death Date	•	·	·	•						
Patient's HLA		A	or		B or	C or	DR or	DRB345	DQ or	DPB1
		A*			B*	C*	DRB1		DQB1	
		01	:01		15:01	03:04:01:01	03:01			
		01	01		15:01	03:04:01:01	03:01			

#### PATREP031: Stack of patients



#### **PATREP060:** list of transplantations



Patient Tissue T Report PAT140	yping Report	Vanno Doro Partan augu Ratas	Marrow Donor Program Belgium - Registry Motstreat 40 2800 Mechelen Belgium
	PATIENT 1	ISSUE TYPI	NG REPORT
Surname:	Sting	D.O.B:	10/10/1960
First name:	Peter	Gender:	М
Hospital No:	BETRAUZA 1	Patient ID:	BE74421P
Clinical Summary:			
Allelic Ty	ping (where perf	ormed):	
CLASS I			
HLA-A*	03:01	03:01	
HLA-B*	15:01	15:01	
HLA-C*	03:04:01:01	03:04:01:01	
CLASS II			
	0.0.03	0.0.03	

# PATREP061 Transplant report – Report on the last transplant.

PATREP171 Not available for TC.

PATREP173 Weekly report – summary report for Transplant Center (overview of requests of active patients):

### BETRAANS1

Transplant Center Information report. Report PAT173



Marrow Donor Program Belgium - Registry Motstraat 40 2800 Mechelen Belgium

### PatientID:

Diag ABC	nosis: Acı ): B Rh Po	ute Mye ositive		Gender	: М		С	MV: Negativ	e
			A or	B or	C or	DR or	DRB345	DQ or	DPB1
			A*	B*	C*	DRB1		DQB1	
			01:01	07:02	06:02	01:01		05:01	
			02:01	37:XX	07:02	01:01		06:02	
	Product	Collection date	Collecti	on center		Courier	Check up	Clearance	

Product	Collection date	Collection center	Courier	Check up
Unknown				

Patient note:

#### Donors for patient:

Donor ID:	C	Donor Cent	er: BEDON	Year of birth: 14/06/1975			
	A or A*	B or B*	C or	DR or	DRB345	DQ or	DPB1
	1	7	<u> </u>	1		5451	
	2	37		<u>3</u>			
P/D Relationship: Potential Emdis Msg's:		CMV:			Ger	nder: M	
TYPREQ '12/14/2017'							
Donor ID:	r	)onor Center:	BEDONLIE1		Yes	ar of birth: 6/0	3/1963

# **II.XIII.** Active patients

It is possible to display the patients in preliminary and active status.

Go to "Patient" and then "Active":

Patie	nt	Search	EMDIS	Service	Help
	-	🕥 Hist	ory ≁ :k	A	ctive
- K	epon	🔪 🏐 EMI	DIS search re	esults	
	Pat	tient Com	mands		F

A	ctive Patien	its													
	🔁 Send PRE	•	Send ACT	•	E	Send P	RE+AC	т		₿⁄	Select applicat	all ble	X UnSelect all not applicable	•	Active Status Search Report
:	Patient ID I	Patient name	Pat center	BE	SX	ZA	GR	SE	AR	LT	GC	FI			
			BETRAKUL1	ACT	ACT										
			BETRAKUL1	ACT	ACT										
			BETRAKUL1	ACT	ACT										
			BETRAKUL1	ACT	ACT	ACT	ACT	ACT				PRE			
1			BETRAKUL1	ACT	PRE										
1			BETRAKUL1	ACT	ACT	ACT	ACT	ACT							

The active patients (status active or preliminary) will be displayed :

Starting from this menu it is possible to select a patient and change the status in additional registries.

If you wish to print the active patients search report:

Select:



The following report will be printed:

Marrew Donor Program Belgium Registry							
Marrow Donor Program Belgium -	Registry Motstraat 40 2800 Mechelen Be	gium					19/12/2017
Patient name	search report	Patient birthday	Diagnose Date of diagnosis Institution Type	Start of Donor Search Tx Date	Donor Land	Sum of request	Comment
A*03:01,* 24:02 C*03:04,* 12:03 DQB1*03:01	B*18:01,* 40:01 DRB1*11:01		1/02/2013	2/04/2013		78	
A*02:05,* 29:02 C*06:02,* 16:01 DQB1*02:02	B*44:03,* 50:01 DRB1*07:01		30/12/1899	2/04/2013		88	
A*02:01,* 11:01 C*07:XX DQB1*03:CJB	B*07:02 DRB1*11:04		30/12/1899	2/04/2013		37	
A*31:01,* 68:01 C*12:03 DQB1*03:01	B*38:01,* 39:01 DRB1*11:01		30/12/1899	2/04/2013		181	

# **II.XIV. Analytical tool**

Your patient database is available for analysis through the software tool "Analytical Tool". Go to:



The list will be prepared:

Preparing	patients data	5109

The first time you use this option, the following table will be displayed;

Analytic tool for outgoing typing requests	_ 🗆 🗙
Drag a column header here to group by that column	
	Þ
Count: 10 Export data	?

Click on the button in the left upper corner to display all available columns:

Drag a column header here t	o group by that column	
🗄 Registry 🗵 Patient ID	Pers. number 🛛 Sex 🖻	2
Patient number	Transpl3 center	DQA12
Registry	Transpl3 date	DQB11
Country	Transpl3 don. center	DQB12
Patient ID	Transpl3 don. ID	DPA11
Patient ID1	Transpl3 source	DPA12
Patient ID2	HLAA1	DPB11
Pers. number	HLAA2	DPB12
Last name	HLAB1	EMDIS State PRE
First name	HLAB2	EMDIS State ACT
Sex Sex	HLAC1	EMDIS State SUS
Birthdate	HLAC2	EMDIS State STP
Deathdate	DNAA1	CWA
Status of patient	DNAA2	CMV Date
Insur. comp.	DNAB1	Comment
ABO	DNAB2	EMDIS Ethnic
Rh	DNAC1	Local Ethnic
Pat. center	DNAC2	Diagnosis
Date inserted	HLADR1	EMDIS Diag.
Year inserted	HLADR2	Patient category
Date changed	HLADQ1	I.class serology typing date
Disease phase	HLADQ2	II.class serology typing date
Transpl.	HLADRW1	I.class DNA typing date
Transpl1 center	HLADRW2	II.class DNA typing date
Transpl1 date	DRB11	HLAtyping center
Transpl1 don. center	DRB12	HLADR typing center
Transpl1 don. ID	DRB31	DNA1 typing center
Transpl1 source	DRB32	DNA2 typing center
Transpl2 center	DRB41	Date of check
Transpl2 date	DRB42	Who checked
Transpl2 don. center	DRB51	Date of med. check
Transpl2 don. ID	DRB52	Who med. checked
Transpl2 source	DQA11	Type of search

The selection you make will be saved for following login sessions.

Registry V Patient ID	Pers, number	▼ Last nan	▼ First nar ▼	Sex 💌	HLAA1 -	HLAA2 🔻	HLAB1 👻	HLAB2 -	HLAC1
				M					
В				м					
B			-	м	1	24	8		
B			-	F	2	33	65	44	
в			-	м	24	31	8	44	
в			-	м	2	3	7	44	
в			-	м	2	3	7	51	
в				F	1	3	62	37	
в				F	1	3	62	37	
В				F	11	32	71	35	
В				F	2	11	7	44	
в			_	м	2		3901	60	
В			_	м	2	29	7		
В			_	F	3	24	65	55	
В				F	3	24	65	55	
В				м	3	11	7	56	
В				м	3	31	71	56	
В			_	м	2	3	62	18	
В				м	24	33	35	61	
4	A   *   *   *   *     A	4							•
Count: 421	Emert data D	dut us a dam	Close stack	Colort	dite etcelu	All to othe			

### The following table will be opened:

Upper left corner - select of columns

Lower left corner - select all items/deselect all items/last selected items

Column headers - switch their order (move them) or change width of column

Arrow in left corner of column header - filter data in the column (blanks/non blanks/particular value/custom filter)

### **II.XIV.1.** Data preparation

Go to the menu Patient-> Analytical tool – after confirmation the program will start loading the patient data.

Analytic tool	
Do you want to start Analytic tool?	
Yes <u>N</u> o	
Preparing patients data	Cancel 🚥

It takes several seconds, at the end of the process the following screen will be displayed:

egistry 🕶 Pat	tient ID	Pers. numb	er 🔻	Last nan 🔻	First nar 👻	Sex 💌	HLAA1 👻	HLAA2 -	HLAB1 -	HLAB2 -	HLAC1
						м					
						м					
				T		м	1	24	8		
				Ι		F	2	33	65	44	
				T		м	24	31	8	44	
				Ι		м	2	3	7	44	
				T		м	2	3	7	51	
						F	1	3	62	37	
						F	1	3	62	37	
						F	11	32	71	35	
						F	2	11	7	44	
						м	2		3901	60	
						м	2	29	7		
				1		F	3	24	65	55	
						F	3	24	65	55	
						м	3	11	7	56	
				l .		м	3	31	71	56	
				1		м	2	3	62	18	
						м	24	33	35	61	
4 <b>b bb bb</b> 1	+ - * /	× ~*** <b>*</b>		4			-	-	-		)
ount: 421		E			<u> </u>	Colored a					

Count: 421 records in the database (included deleted patients since 2008 - software Syrenad).

**Note:** when the table is minimized, it can be maximized again by clicking on the window in the left bottom corner of the screen (not in the task bar).

# **II.XIV.2.** Column projection

The first time you login no columns will appear on your screen. Click on the small button in left upper corner to display all available columns, your selection will be saved for your following login sessions.

**Tip:** In lower left corner you can select or deselect all items with one click. It is also possible to recall the last selected items.

ount: 15438	Export	lata
Select all items		
Deselect all items		_
Last selected items		

Tip: You can change a column width displayed in the table.

Tip: By dragging a column heading you can also change their order in the table.

# II.XIV.3. Filter data

ſ												
		661	148			BE	(		7		BE	3
	H	-	4	⊧	₩	H	* 9	8				

When selecting records, Prometheus uses a filter to determine which records to include in the selection.

Filter builder - [untitled.f	lt]			×
Filter AND <root></root>				
press the button to add a new condition				
Open Save As		ОК	Cancel	Apply

### Procedure

You access the **Filter Builder** by clicking the  $\ensuremath{\boxtimes}$  button.

Press the button to add a new condition: clicking on the green field will open the complete list to build your condition:

Filter builder - [ur	titled. flt]			×
Filter <u>AND</u> <root></root>				
<u>Sex</u> <u>like</u> M				
press the button to add a	new condition			
Open	Cave Ac	OK	Cancel	Apply
	2006 AS			

FI list of all male patients.

You can add additional conditions, and remove the condition:

	Add <u>C</u> ondition Add <u>G</u> roup					
7	<u>R</u> emove Row					
T	he active filter ca	n be save	ed on your com	puter	Save As	and later on be opened again by
cl ne	icking on the ope etwork.	n button	Open	and s	selecting the filte	er your saved on your computer or

👰 Analytic tool	l for patients					[		
Drag a column header h		it column						
🗄 Registry 💌 Patient II	D 💌 Pers. nu	mber 💌 Last nan	Save the act	ive filter to	file			? X
В		TOKACA	Cours inc	A Hu Deserve				
B		THOOTH	Save in:		nts	▼ < E	J 📑 👘	
B	— P	🚍 Filter builde		My Picture	s			
B	— F	filter AND <root></root>	History					
B								
B		<u> 36x like k</u>						
B		press the butto	Desktop					
B								
В			My Documents					
В								
В			My Computer					
В				1				
В				File <u>n</u> ame:	untitled		•	<u>S</u> ave
В			My Network P	Save as type:	Filters (*.flt)		•	Cancel
В		_			,			
B								
B X V (Sex LIKE M)								
4 4 4 <b>&gt; &gt; &gt; +</b> + - 4	▲ ✓ X @ # Þ		1					
Count: 241	Export da	Open	<u>S</u> ave As.		ОК	Cancel	A	pply
Active stack: 1	Caport us							

# **II.XIV.4.** Patient grouping

Drag a colum header (f.i. sex) to the upper grey bar:

👰 Analy	tic tool for/	r patients					_	
Sex 🔺 💌								
🗄 Registry	▼ Patient ID	∇ 💌 Pers. number	💌 Last nan 💌 First nar 💌 HLAA1	▼ HLAA2	▼ HLAB1	▼ HLAB2	▼ HLAC1	▼ HLAC2
▶ ± Sex : M								

The table will be grouped as to the sex condition, particular groups can be unrolled by the buttons +. Further grouping is possible by dragging more attributes to the upper grey bar.Grouping can be cancelled by dragging the column heading back to the table.

# **II.XIV.5.** Patient sorting

Clicking on the column lets you sort the data. Click the arrow near the column title to unsort. Double clicking on a patient record will open the patient file.

### **II.XIV.6.** Patient stack

The analytical tool allows to copy patients to the stacks you created: the patient will be listed to the active stack.

×
One selected donor was inserted into the stack.
<u>O</u> K

Clear stack to delete a content of the actual patient stack.

**Selected to stack** we add the selected patient (selected line of the table) to the active patient stack. You can also select and add more patients at once. You select patients by the left mouse button with the button Ctrl pressed (for selecting particular donors) or Shift (for selecting continuous selection of donors).

All to stack you add all patients displayed in the table to the active patient stack.

# II.XIV.7. Analytic tool: Export data

Export
Export to format
○ Excel
○ Text
O HTML
○ XML
Export records
All columns
Selected row
Parameters of text export
Field separator :
Export Export and close Cancel

Format selection for data export

Press export to export the patient analysis to an external file (formats: excel - text - HTML - XML).

# III. LOCAL SEARCH

The commands for local donor search are available in the main program window in the Search menu. The purpose of this option is to do an initial search for Belgian donors. This action is independent from the formal search status of the patient, it is a first check to find out if Belgian donors are available for your patient. This option enables an initial search for Belgian donors and cord bloods, without activating the formal EMDIS search. No further actions (typing requests, ...) will be possible in this stage. The search results can be printed for documentary reasons, the results will not be updated

Donor Patient Searc	EMDIS	Service Help						
<u> </u>								
View Local New Shov Search Search ▼ searc Search Commands	1							
Local Search								
New Search Patients	Search	Run Search	🖗 Sort Result	eport 👻 💕 Cus	stom port Save Searc	h Open Search	▼ 🕄 Full Screen	
New Search Charlens	▼ <sup>Search</sup> Options	Run Search	Fort Result	eport V Cus Reg	stom port Save Down	h Open Search	▼ 🕄 Full Screen	
New Search         C⇒ Patients           Search Options         Max. number of:         AB	ABDR CB	Run Search Patients Add Patient ID Nai	Sort Result	eport v Cus Rep Uo B	stom port Save Searce Down	eh Open Search	▼ Rull Screen	DPB1

The "Search option" offers different selections:



**New search for selected patient**: the search screen will be opened to run a search for the active patient record.

**New search for patients in stack**: the search screen for patients in stack will be opened (see <u>chapter</u> <u>II.XI.</u> for more information about patient stacks).

**Show search**: to display a saved search - the search select screen will be opened to enter search identification number.

New Search Patients Search Patients Run Search	🖗 Sort Result	Custom Save Report Search	○ Open Search ▼ Screen Full Screen
--	---------------	------------------------------	------------------------------------

**New search:** to start a new search.

Patients: to select a patient. (Or via the quick select buttons above the patients table).

Search options: to set the search parameters. They can be consulted in the search options table.

Search results: to view and manage the results, displayed when a search has been performed.

Run search: to activate the search.

Report: to print the search results.

**Custom report**: to print the customized report (report maker).

Save report: to save the report.

**Open search**: to open a saved search via the search identification number.

Full screen: to display full screen.

# **III.I. Patient selection**

Local Sea	uch								
B New Search	🚓 Patients	Search Options	庨 Run Search	🛱 Sort Result	Report	Custom Report	Save Search	Gen Search	Full Screen
	🛱 Patients								
Click the		button	to select	the patie	nt for who	m the sea	rch will b	e done. F	Prometheus

allows multiple donor searches for several patients at once.

The drop down menu offers several options:



Selected patient - active patient record.

Add another patient - add an additional patient.

Clear patient list - to remove patients from the table.

Patients in stack - to do searches with patients in stack - prepared list.

# **III.II. Search parameters**

Local Search								
New Search Patients	Search Options	庨 Run Search	🖗 Sort Result	Report	Custom Report	Save Search	⊖ Open Search ▼	Full Screen
1								

Click "search options" to open the "search option" window:

Search Options							ОК	Esc
Max. number of donors	AB /	ABDR 20	CB 20			Total	Total	
Max. antigen mismatches		1 MM +	none v		none -	2 MM - /	2 MM	•
Max. antigen+allele mismatches Count probabilities	2 MM ▼ no ▼	2 MM ▼	none •	2 MM ▼	none 🔻	2 MM	•	
Min. age of the donor Max. age of the donor	18 60							
(Preliminary) Request date	08.10.201	.8 🗸	Search dat	e 08.10.2	•018 -			
Comment				~	<b>√</b> 0K	X Cancel		
Press number in interval from 0 to 999							1	/1

The following parameters are displayed:

- Maximum number of donors (AB ABDR CB),
- Maximum admissible levels of HLA mismatch patient-donor,
- Maximum admissible age of donor, the date of request, the date of search, commentary, etc.
- Antibodies HLA A
- Antibodies HLA B
- Antibodies HLA C

Search parameters are preset, but can be changed.

# III.III. Run search

Local Search	ocal Search															
New Search	tients	ŝ	Sea Opt	arch :ions	🕨 🕨 Run Sea	rch 🐺 Sort Result	o R	eport	<b>F</b>	iustom leport	é,	Save iearch	🖻 🖉 Se	)pen earch	R.,	Full Screen
Search Options	earch Options Patients Add View Del Up Down															
Max. number of:	AB	ABDR	СВ		Patient ID	Name	A		В		С		DRB1		DQB1	
- donors	10	10	10			•										
- total antig. MM	1	1	1													
- A antig. MM	1	1	1					<no.< th=""><th>data to d</th><th>lisnlaus</th><th></th><th></th><th></th><th></th><th></th><th></th></no.<>	data to d	lisnlaus						
- B antig. MM	1	1	1													
- DR antig. MM		1	1	-												

Press the "Run Search" button .

The donor search will be processed:

Searching	Cancel 🚥
I	

I.

Search progress is shown by indicator : duration of the search is directly proportional to the number of patients for whom the search is done and the number of donors in the database.

# **III.IV. Search results**

When the search has been processed, a table with found donors will be displayed:

the column **Donor ID**, followed by the **Sex** and the **Type** of donor, **Match grade** column and the donor's **HLA typing**.

Search for several patients:

When you are performing a search for more than one patient, the donor list will be a mix of matched donors. When you select the donor the applicable patient (= test patient) will be shown:

9	Sear	rch F	lesi	ılts			Pat HLA	Don HLA Show	donor	Don	report	S						
	Drad	1.2.00	olum	n he	ada	r he	re to group bu	that comm							Patient		A 03:01	В
		,					ic to group by		_						BE7440	3P	03:01	
:	A	B	C	D R	D Q	D P	Donor ID	Donor GRID		Туре	Sex	DO B ⊽	Match grade ABDR	Match grade	P(10 /10) ⊽	P(9 /10) ⊽	A.1 [03:01]	A.2 [03:01]
	A	Α	A	А			BE	4201 0000	917	MD	м	1990	6/6 Allele Match	10/10	99%	0%	03:01	03:01
	А	Α	А	А	•		BE	4201 0000	828	MD	м	1990	6/6 Allele Match	10/10	99%	0%	03:01	03:01
	Α	Α	Α	Α	•		BE	4201 0000	901	MD	М	1980	6/6 Allele Match	10/10	99%	0%	03:01	03:01
	Α	Α	Α	Α	•		BE	4201 0000	930	MD	М	1980	6/6 Allele Match	10/10	99%	0%	03:01	03:01
Þ	A	Α	А	А	•		BE	4201 0000	019	MD	М	1980	6/6 Allele Match	10/10	99%	0%	03:01	03:01
	Α	Α	Α	А	•		BE	4201 0000	023	MD	М	1980	6/6 Allele Match	10/10	99%	0%	03:01	03:01
	Α	Α	Α	Α	•		BE	4201 0000	009	MD	М	1980	6/6 Allele Match	10/10	99%	0%	03:01	03:01
	Α	Α	Α	Α	•		BE	4201 0000	730	MD	М	1970	6/6 Allele Match	10/10	99%	0%	03:01	03:01
	Α	Α	А	Α	•		BE	4201 0000	104	MD	м	1970	6/6 Allele Match	10/10	99%	0%	03:01	03:01
	Α	Α	Α	Α	•		BE	4201 0000	917	MD	М	1982	6/6 Allele Match	10/10	1%	0%	03:01	03:01
	P	Р	Р	-	•		BE	4201 0000	621	MD	F	1965	4/4 AB Antigen Matcl	4/4	1%	0%	3	
	P	Р	-	-	-		BE	4201 0000	934	MD	F	1960	4/4 AB Antigen Matcl	4/4	1%	0%	3	
	A	М	Α	А	-		BE	4201 0000	019	MD	м	1978	5/6 Antigen Match	9/10	0%	3%	03:01	03:01
	1000	-	-				<b>BB1</b> (1) (1) (1) (2) (2) (3) (3) (3) (3) (3) (3) (3) (3) (3) (3			1.10		4.000				4.4.		

#### Search result table

On the left side the match level is displayed similarly to WMDA/BMDW. A – Green – allele match.

B – Blue: potential allele match

L – Yellow – allele mismatch, but antigen match, the HLA code is shown in bold blue font.

M – Red : antigen mismatch, the HLA code is shown in bold green font.

- -: not specified.

DPB1 permissive / non-permissive matching is implemented and displayed in column DP. Match grade is marked in the following way:

P – Permissive (green).

- G Non-permissive in GvH direction (red).
- H Non –permissive in HvG direction (red).
- A Ambiguous (yellow).

The following parameters are available:

:=	Α	В	С	D	D	D	Donor ID	Туре	Sex	DO	$\nabla$	Matc	h gra
.=				К	ų	Р				В			
	] Pa	atient	: ID			•	P(10 /10)			P(DQ	B1)	Source	
	ÌSε	earch	n Pal	t. ID			P(9710)		~	DPB1	1.1		
-	A I						A.1 [03:01]		~	DPB1	1.2		
-	B						A.2 03:01			Reco	rd ni	umber	
	İC.						PIA			Seria	Inun	nber	
	D	3				Ē	P(A) Source	,		Dono	r Ind	lex	
	ĪΟ	)					B.1 (15:01)		~	Samp	le ID	)	
	D	P				Ī	B.2 (15:01)			DNA	ID		
	ĪΗι	чb				Ī	P(B)		~	Num.	of Ti	rans.	
	ĪΒα	onor	ID			Ē	F(B) Source	,	~	Num.	of Pi	reg.	
-	ΪŢ	ре					C.1 (03:04:0	01:01]	~	Ethni	с	-	
-	Se	ex					C.2 (03:04:0	01:01	~	Age			
-	ΪD(	DВ					P(C)		~	Statu	s		
	] AB	30				Ē	P(C) Source	•		Plate	let di	onor	
	] CM	٩V				•	DR.1 [03:01	]		MM(0	:0UI	NT)	
	] M.	atch	Gra	de N	um.		DR.2 [03:01	ij		AntM	M(CI	OUNT)	
	] Pł	nenol	type	Qua	ality		P(DRB1)	-	~	Last	Nam	e Í	
	] De	onor	num	ber	1	Ē	P(DRB1) Se	ource	~	Perso	nal I	No.	
~	M.	atch	grad	ie Al	BDR		DQB1.1		~	First N	Vam	е	
~	M.	atch	_ grac	le			DQB1.2			Dono	r cei	nter	
	] Pr	ob M	_ latcł	h Туј	ре		P(DQB1)			Last :	sync		

The HLA of the patient which corresponds to the selected donor in the table (the active line) is stated in the right upper part of the screen.



Select the Pat HLA button or Don HLA to display the possible alleles Probability is not operational yet. It is also possible to print the list:



The report can be customized to your needs:

Drag a column header to group to sort data:

Drag a column header here to group by that column									
	Туре	Donor ID		Sex	DOB	ABO	Match grade	P(10 710)	
	MD	BE	ļ	F	1958		6/6 Anti <u>c</u>	0%	
	CB	BEI	1	2	2000		5/6 Antic	0%	

Ē	Гуре 🛆				·
iiii	ABO <sub>V</sub>	Donor ID	Sex	DOB	Match grade
	+ CB				
Þ	+ MD				

Columns can be enlarged – changed in order – add new columns - ...

ID	Donor ID	T	уре	S e
J081			(All)	
S20I			(Cusl	tom)
J081			]?	
S20I			] F	
J081		Ļ	<u>јм</u>	

• Click here to show/hide/move columns:

Dra	g a column bea	der here to group by that column
≣ ID	Donor ID	
	here to sho	w/hide/move columns

The complete list of the columns that we can use in the table is here:

- **Patient ID**: the identifier of the patient
- **Donor ID**: the identifier of the donor
- **Type**: donor type (MD = marrow donor, CB = cord blood).
- Sex: F=female, M=male
- Year of Birth: the year of birth (has sense for MD donors).
- Match grade: HLA match grade between donor and the patient
- Status: donor status

- A1, A2: intelligent columns for HLA-A donor locus. If the donor has been DNA typed, the DNA data will be displayed (allele or the code NMDP expressing the allele group). If not the serology will appear. An HLA mismatch is highlighted in color, the allele mismatch is highlighted in deep blue.
- **B1, B2**: intelligent columns for HLA-B donor locus.
- **C1, C2**: intelligent columns for HLA-C donor locus.
- **DR1, DR2**: intelligent columns for HLA-DR/DRB1 donor locus.
- **DQ1, DQ2**: intelligent columns for HLA-DQ/DQB1 donor locus.

The table can be filtered to various conditions:

Pat HLA	Don HLA	View Don	Don reports	Probability				÷	# Rows <b>58</b>			
		t t			Datiant	0	01-01	m 00-01	∧ 07·W	DDD4 11-0	1 0004(	အူးငပါ
ader here to	group by th	nat column	🚺 Filter	builder	- [untitl	ed. flt]					X	
Match grade	P(10 710)	A.1 [01:01	Filter AND	<root></root>								NA
5/6 Antig	0%	01:XX	press the but	on to add a	new conditio	n						
5/6 Antig	0%	01:XX				_						
5/6 Antic	0%	01:XX										
5/6 Antig	0%	01:01										
5/6 Antic	0%	01:XX										
5/6 Antic	0%	01:XX										
5/6 Antig	0%	01:XX										
5/6 Antig	0%	01:XX										
576 Antic	0%	1										
5/6 Anti <u>c</u>	0%	1										
4/4 AB A	0%	1										
4/4 AB A	0%	1										
4/4 AB A	0%	1										
4/4 AB A	0%	1										
4/4 AB A	0%	1	Open		Save As			<u> </u>	Cancel		Applu	
4/4 AB A	0%	1			<u>J</u> are As				Cancer			
4/4 AB A	0%	1	2	8	35							_
4/4 AB A	0%	1	2	8	35							
4/4 AB A	0%	1	2	8	35							
4/4 AB A	0%	1	2	8	35							
374 AB A	0%	1	24	49	51 7							
374 AB A	0%	68	2	49	51 2	6						
3/4 AB A	0%	1	26	49	51 1	0						
3/4 AB A	0%	26	2	49	51							
3/4 AB A	0%	26	2	49	51							
3/4 AB A	0%	3	2	21	51							
3/4 AB A	0%	3	2	49	51							
374 AB A	0%	24	2	21	5							
3/4 AB A	0%	25	2	21	5							
3/4 AB A	0%	3	2	21	5							
* ♥* 🗟	•	1										

Select an item by clicking on the green field to add an condition:

Filter builder - [untitled. flt]	X
Filter       AND <root>         Image: Search Pat. ID       Image: Search Pat. ID       Image: Search Pat. ID         Donor ID       Type       Image: Search Pat. ID         Sex       Image: Search Pat. ID       Image: Search Pat. ID         AB0       CMV       Match Grade Num.         Phenotype Quality       Donor number       Image: Search Pat. ID         Match grade       Image: Search Pat. ID       Image: Search Pat. ID</root>	
Open         Save As         OK         Cancel         Apply	

🎬 Filter builder - [untitled. flt]	×
Filter AND <root></root>	
ABO like A+	
press the button to add a new condition	
Open         Save As         OK         Cancel         Apply	

The donors with blood group A+ will be listed in the table:

D	irag a column he	eader here to j	group by tha	t column		Pa B	atient El	/	A 01:01 ] 02:01	B 08:01 35:01	C <b>07</b> 15	XX DR	B1 11:01	DQB1	03:CJB	
:	ABO	Match Grade ∆	Match grade	P(10 /10)	A.1 [01:01]	A.2 [02:01]	B.1 [08:01]	B.2 [35:01]	C.1 [07:XX]	C.2 [15:XX]	DR.1 [11:01]	DR.2	DQ.1 [03:CJB	DQ.2	Sample ID I	)N
▶	A+	8322	5/6 Antig	0%	1	3	8	35	4		11:MH	11:MH				
	A+	9346	5/6 Antic	0%	01:WUS	02:XX	08:XX	44:XX	07:XX	05:01	11:XX	11:XX				
	A+	65538	4/4 AB A	0%	1	2	8	35	1	4						
	A+	65538	4/4 AB A	0%	1	2	8	35	4	7						_
	A+	73858	3/4 AB A	0%	3	2	21	5								
		-													I	

The active filter is displayed below :

🗙 🗹 (ABO LIKE A+) 💌		
₩ <b>╡╡</b> ╞╞┝╢ <u>╪</u> ╠╬╦	•	

Previous criteria can be displayed by selecting the arrow:

×v	(ABO LIKE A+) 🔽
144 44 4	(ABO LIKE O)
141 41 4	(ABO LIKE O+)
	(Sex LIKE male)

To switch off the filter press:

×v	(ABO LIKE A+)	•
×□	(ABO LIKE A+)	•

# III.V. HLA match grades of donor and patient

If possible the program counts the match grade of the donor and the patient at the **DNA level**. If the donor DNA information is missing the patient DNA information is transformed into serology and then it is compared to the donor. If DNA data of donor and patient are not available, search will be done at a serological level.

**Total HLA match grade** of the donor and the patient is counted according to **HLA- A, B and DRB1 Ioci.** (HLA-C and HLA-DQB1 loci are excluded).

The following match options are possible:

### 6/6 Allele Matched

- The donor is tested at I. class as well as II. class (A, B, DRB1).
- A full allele match at HLA- A, B and DRB1.

### 6/6 Potential (Allele) Matched

- The donor is tested at I. class as well as II. class (A, B, DRB1).
- Potential allelic match at HLA- A, B and DRB1.

### 6/6 Antigen Match (Allele Mismatch)

- The donor is tested at I. class as well as II. class (A, B, DRB1).
- A full match at serological level at HLA- A, B and DR
- A mismatch at DNA level

#### 5/6 Antigen Match

- The donor is tested at I. class as well as II. class (A, B, DRB1).
- One mismatch at serological level at HLA- A, B or DR.

#### 4/6 Antigen Match

- The donor is tested at I. class as well as II. class (A, B, DRB1).

- Two mismatches at serological level at HLA- A, B and DR.
- This match grade has mostly sense just for a donor CB (cord blood).

#### 4/4 AB Antigen Match

- The donor is tested at I. class (HLA- A, B).
- A full or potential match at serological level at A, B.

#### 3/4 AB Antigen Match

- The donor is tested at I. class (HLA- A, B).
- One mismatch at serological level at A or B.

#### Unknown match grade / Too many MM

- The level of match of the donor and the patient is not possible to count or the number of mismatches is too high.

# **III.VI. Repeated search**

You can perform a new search by deleting the actual search results. However it is possible to save your different search results, see next chapter.

# III.VII. Search saving to database

When the search is complete, you can save the search results into the database through the .



The search parameters will be saved into the database as well as the main patient data, the main donor data and the match levels. A search identifier (search ID) is assigned to this action.

Local Searcl	h	×
Local Search The assigned	was saved into 1 search ID is 26.	he database.
	<u>o</u> k	

You can re-open the search via "open search" and entering the "search identification":

eport Custom Report	Save Search Search	Full Screen	
BC	DRB1 I	DQB1	
<no data="" display="" to=""></no>			
Sonrah coloct			
Search select		_	
Search identification	26		
		Enter one of these options:	
		- search ID - patient ID	
		- patient number	
		- patient name	
Search identification			
		✔ OK 🛛 🗙 Cancel	

As soon as you save the search in the database you cannot change it because it serves only for documentary purposes, search parameters cannot be changed. (a donor will not be updated in a saved search).

To have new search results or updated search results a new search has to be activated.

# III.VIII. Search report

# Search Report

Search ID: 1401 Generated on 08.10.2018 Search coordinator: MIXED TC DC ALL



Marrow Donor Program Belgium - Registry Motstraat 40 2800 Mechelen Belgium

Patient: Sting Peter Old ID : BE74421P									
Gender: M DOB: 10/10/1	1960 AB	0: <b>AB</b>	Rhesus: -	Diag:	EMDIS Diag	j: Hl	IIS CMV: ?		
Patient's phenotyp	03:01	15:01	03:04:01:01	03:0	k01				
			03:01	15:01	03:04:01:01	03:0	k:01		
Donor ID	Stat Eth		A or	Bor	C or	DR	Ror DRB345 DQ or DPB	31	
Born G	BGr (	CMV:	A*	В*	C*	DRI	RB1 DQB1		
8/10 Match Grade		_							
BETEST00000658	2		3	62		3	3		
DETESTOOOOOOOO	,		2			<u>4</u>			
							4201 0000 0000 0040 622	10 0010	
					.201 0000 0000 0040 022				
							1		

#### GRID is added to the search result report: both in form of a barcode and as a number.

You can basically perform two types of search reports.

Local Search Result Options						ОК	Esc
<u>Filters:</u> Validity Type of donors	Latest	<u>Order:</u> Sorting ▼	Best first				
Show only selected DNA match grad	es:	<u>Options:</u>					
6/6 Allele Match	yes •	Show Local ID	no 🗸	Match probabilities	no 🗸		
6/6 Potential (Allele) Match	yes •	Show Old Id	no 🗸	Record updates	no 🔻		
6/6 Antig.Match - Allele MM	yes -	Show Sample ID	no - N	lames and pers.no.	no 🗸		
5/6 Antigen Match	yes •	Show donor weight	yes -				
4/6 Antigen Match	yes •	Show donor TX	no 🔻	Num. of trans.:	no 🗸		
4/4 AB Antigen Match	yes -	Match grade summary	yes -	Num. of preg.:	no 🗸		
3/4 AB Antigen Match	yes -		S	Show dates request	no 🗸		
2/4 AB Antigen Match	no v	Multiple allele codes	yes 🗸	Age:	no +		
Unknown / Too many MM	no v	CMV interpretation	no v	Notes:	no 🗸		
List of settings	Save settings	List of settings	Save settings	7			
				🗸 ОК 🗶 (	Cancel	1	/1
F3,right mouse button=selection table, +/-/s	pace , 0=?, 1=Cord Blo	ood, 2=Marrow Donor					-

# III.VIII.1. Report with all results:

Executed with the

Report

button.

Save settings: you can save the options you selected, and then later use the same options by

clicking on "List of settings".

Select the "Load button" in the following screen to activate your previous settings.

You can "cancel" previous settings by clicking "Remove".
saved settings - OPTIONS	
test test1	
Load Remove	Cancel

## III.VIII.2. Custom report with selected results:

With the report maker, you can create a custom report of the search results by selecting chosen donors from the **search results** table.

R	Report Maker (Custom Report)									
	rrangert Donor	Remove Donor	Clear List							
	Donor ID	Patie	ent ID							
	BEi	BE								
	BEI	BE								
	BEI	BE								
	BEI	BE								

Report maker table and tools

- **Insert Donor Button**: inserts the donor highlighted in the search results table.
- **Remove Donor**: removes the highlighted donor from the report maker
- Clear List: removes all donors from the report maker.



button then executes the customized report.

Order:         Sorting by       C-DRB1-DQB1 Match Grade ▼         Options:       Show Local ID       no< ▼ Match probabilities       no       ▼         Show Local ID       no< ▼ Match probabilities       no       ▼         Show Local ID       no< ▼ Match probabilities       no       ▼         Show Local ID       no< ▼ Match probabilities       no       ▼         Show Joa       no       ▼ Record updates       no       ▼         Show donor weight       yes ▼       Num. of trans.:       no       ▼         Match grade summary       yes ▼       Num. of preg.:       no       ▼         Multiple allele codes       yes ▼       Age:       no       ▼         List of settings       Save settings       ✓ 0K       ¥ Cancel	Local Search Result Options			OK Esc
Options:         Show Local ID       no       Match probabilities       no          Show ID2       no       Record updates       no          Show Sample ID       no       Names and pers.no.       no          Show donor weight       yes            Show donor Weight       yes            Show donor TX       no        Num. of trans.:       no          Match grade summary       yes        Num. of preg.:       no          Multiple allele codes       yes        Age:       no          CMV interpretation       no        Notes:       no          List of settings       Save settings        X Cancel       1/1		<u>Order:</u> Sorting by	C-DRB1-DQB1 Match Grade	-
Show dates request no Multiple allele codes yes CMV interpretation no List of settings Save settings V OK Cancel 1/1		<u>Options:</u> Show Local ID Show ID2 Show Sample ID Show donor weight Show donor TX Match grade summary	no   Match probabilities no  Necord updates no  Names and pers.no. no  yes  Num. of trans.: no  yes  Num. of preg.: no	• • •
		Multiple allele codes CMV interpretation List of settings	Show dates request no yes ▼ Age: no no ▼ Notes: no Save settings ✓ 0K ★ Can	• • •

**Save settings:** you can save the options you selected, and then later use the same options by clicking on "List of settings".

Select the "Load button" in the following screen to activate your previous settings.

You can "cancel" previous settings by clicking "Remove".

# IV. EMDIS

# **IV.I. Introduction**

**EMDIS** (European Marrow Donor Information System) is a communication system for the data exchange between Bone Marrow Donor Registries, Transplant Centers, Donor Centers, HLA labs, and Cord Blood Banks.

The term **HUB** is used for the Donor Center or Transplant Center sending or receiving EMDIS messages. In Prometheus **Belgium** is listed among the EMDIS countries. The activation of a Belgian search will be processed as an EMDIS search activation.

The term "donor" means "stem cell donor" or "cord blood unit".

Each request is uniquely determined by the donor, patient identifier, the category of request, the date of request. The user is not allowed to create duplicate requests, if necessary, cancel the previously created request before creating new ones. The request received from abroad will be rejected if it is duplicate.

The donor status in the EMDIS system can take following values:

AV (available):	the donor is available for transplantation.
TU (Temporarily unavailable):	the donor is temporarily unavailable. The reason why and the
	period of unavailability must be indicated.
<b>RS</b> (Reserved):	the donor is reserved for your patient.
<b>OP</b> (Other patient):	the donor is reserved for another patient.
DE (Deleted):	the donor is deleted from the Registry. The reason is indicated.

# **IV.II. Patient status**

The patient status in the international EMDIS Registry and the Belgian Registry can be:

**PRE (Preliminary Search)**: After the registration and the validation, the patient status will be set to **PRE,** this means that first search results will be sent for your patient (a first report).

ACT (Patient Active): Repeated donor status, it is possible to activate further requests.

**SUS (Patient Activity Suspended)**: The donor search is suspended: the search runs will no longer run, all previously requests are normally processed. It is not possible to activate new requests.

**STP (Patient Stopped)**: All activities for the patient are cancelled, inclusive active requests.

## **IV.II.1. Preliminary status**

After the patient has been validated, a search can be activated. A patient status can be changed either in **ALL HUBs** at once or in a selected particular HUB(s). If a patient is already reported with different states in different HUBs, the state cannot be changed.

The EMDIS status can be changed by using the EMDIS Status button.



Note:

Word

(not implemented).

For new registered patients, all EMDIS countries are automatically selected. In case you want to receive search results of all EMDIS countries, you can use the 'Change status in selected HUBs' button.

Select	HUB	State	Watch	Search result	Reason				
✓	ALL	?							
✓	BE	?							
✓	AT	?							
	AU	?							
<ul><li>✓</li></ul>	<b>5</b> E	?							
✓	CH	?							
✓	CZ	?							
✓	DE	?							
✓	ES	?							
✓	FR	?							
✓	GB	?							
✓	IT	?							
	NL	?							
	NO	?							
	GL	?							
✓	WA	?							
✓	US	?							
	5X	?							
	Change status in selected HUBs								

This way, you can request a preliminary search in all EMDIS countries at once:

Test: BE,AT,AU,SE,CH,CZ,DE,ES,FR,GB,IT,NL,NO,GL,WA,US,SX - Change patient status	ОК	Esc
Old patient state: ? New patient state none • Reason for change 1 preliminary 2 active … Unknown reaso 2		
V OK X Cance	4 7	<sup>-</sup> F1 71

In case you want to request a preliminary search in a particular EMDIS country, you must use the button 'EMDIS Status'.

For example: select BE Belgium and set patient state on 'Preliminary'. Press 'OK' and the patient status will change to 'Preliminary' for BE.

Patient BE	- Test	Friday										
Edit 🤇	Status	EMDIS Patient Update	EMD Sear Resu	rCh Ilts	EMDIS Request	EI R	MDIS esult	Ì	FAX Req.	Local Search	Rep.	×
Patient Recc	ALL All HUBs	[0] Attache	ed Files	[0] Patie	nt Notes	[-]						
Patient B	AT Austria					*	Select	HUB	State	Watch	Search result	Reason
Neme T A	– A <u>U</u> Australia						•	ALL	?			
S	E Sweden						•	BE	?			
Registry B	H Switzerland	BETRAVUB1	Pł	nysician			✓	AT	?			
DOB O	Z Czech Republic	65		ABO A	Rh +			AU	?			
	E Germany		~ *					SE	?			
A*01:02 E	o opain O Erance	X DRB1*01	.:04	DQ		Ľ		CH	?			
	B Great Britain	01				_			?			
 I	T Italy	10 10 00						DE	?			
N	L Netherlands	on $13.12.20$	12 at	14:08 by	TESTVV	'E' TF		FR	2			
H N	I <u>O</u> Norway	on 13.12.20	12 at	14:08 by	TESTVV	Ŧ		GB	2			
Medica G	5L Gift of life - USA	on 13.12.20	12 at	14:07 by	TESTVV	т		IT	2			
<u>V</u>	VA Welsh							NL	?			
	JS NMDP - USA						•	NO	?			
	i⊼ resc						•	GL	?			
							✓	WA	?			
							•	US	?			
							✓	SX	?			
						<b>*</b>				hange status in se	lected HUBs	
•												

TOOL D	E - Cha	nge patient status							ОК	Esc
		_								
Old	patient	t state: ?								
New	/ patie	nt state preliminary	· •							
Rea	son for	0 none change 1 preliminary	7							
Unk	nown	reaso <sup>2</sup> active								
		Cano	el							
							d or			
							V UK	X Cancel		F1
									1	/1
Foloct		State	Watch	Search recult	Desco					
		2		Searchresult	Keasu					
	BE	· Preliminary Search			2					
	AT	?								
	AU	?								
	SE	?								
	СН	?								
	CZ	?								
	DE	?								
	ES	?								
	FR	?								
	GB	?								
		?								
	ND	f 2								
1 1 1	UPU	f								
	GL	2								
	GL WA	?								
	GL WA US	? ? ?								
	GL WA US SX	? ? ? ?								
	GL WA US SX	? ? ? ?								
	GL WA US SX	? ? ? ?								
	GL WA US SX	? ? ? ?								
	GL WA US SX	? ? ? ?								
	GL WA US SX	? ? ? ?								
	GL WA US SX	? ? ?								
	GL WA US SX	? ? ? ?								
	GL WA US SX	? ? ? Change status		ed HUBs						

After sending the message 'Preliminary' request, the patient status is set to Preliminary search (PRE), and the patient will receive status "**Preliminary search**".

BE Preliminary Search

With this status a match list, phenotype list and a match summary are sent once. No further actions are taken in this status. Any further activity is not possible until the patient has been changed to Active (ACT). After the status is set to active by a PAT\_STAT message, search runs are repeated on a regular basis (repeat search program).

#### **Repeated donor search**

For all patients in active status a repeated donor search will be performed. The interval depends on the setting of each Registry (in Prometheus 24 hours).

The new search result will send:

- New donors;
- Donors with better match grade;
- Change of antigen of other donor information (change of donor status, blood group, donor deleted from the database).

Click on EMDIS status to open the activation screen:



and select the status preliminary:

Test: SX - Change patient status	ОК	Esc
Old patient state: ?		
New patient state preliminary		
0 none		
Unknown reaso <sup>2</sup> active		
Cancel		
	~	<b>E1</b>
		/1

AB total	40	-													
AB total	40	-													
total				1	ABDR	100					СВ	100			
		antige	n	to	tal		ant	igen		tot	al		anti	gen	
				1	0 MM	-	1	MM	•	10	) MM	-	2 1	MM	-
4 MM	•	<b>1 MM</b>	•	6	MM	-	1	MM	•	6	мм	-	2 1	MM	-
2 MM	•	<b>1 MM</b>	-	2	MM	-	1	MM	•	2	мм	•	2 1	MM	•
2 MM	•	1 MM	-	2	MM	-	1	MM	•	2	MM	-	2 1	MM	-
				2	MM	-	1	MM	•	2	MM	•	2 1	MM	•
				2	MM	-	1	MM	•	2	MM	-	2 1	MM	•
				2	MM	-	1	MM	•	2	MM	-	2 1	MM	•
	no	•				no	•					no	•		
	no	•				no	•					no	•		
	no	•				no	•					no	•		
	?		•			?	_		-			?	_		•
	?		•			?			-			?			-
	Rеп	ote	•			Rem	ote		-			Rem	ote		•
										<b>~</b> 0	ĸ	🗶 Ca	ance		7 F1
next page															1/6
	total       4     HM       2     HM       2     HM       2     HM	total          4 MM         2 MM         2 MM         2 MM         2 MM         7         9         9         9         9         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         10         11         12         13         14         14         15         16         17         17         18         19         10         10         11         12         13         14         14         15         16         17         18         18         18         19         10         10         10         10 <td>total antiger 4 MM • 1 MM 2 MM • 1 MM 2 MM • 1 MM 2 MM • 1 MM 9 10 10 1 MM 1 MM 1 MM 1 MM 1 MM 1 MM</td> <td>total antigen</td> <td>total       antigen       to         4       MM       1       MM       6         2       MM       1       MM       2         2       NO       1       MM       2         2       NO       1       MM       2         2       NO       1       2       2         2       NO       1       2       2         2       NO       1       2       2         10       1       1       2       2         10       1       1       2       2         10       1       1       1       1         2       10       1       1       1         10       1       1       1       1       1         10       1       1       1       1       1         10       1       1       1       1       1       1<td>total       antigen       total         10 MM       10 MM         4 MM       1 MM       6 MM         2 MM       1 MM       2 MM         2 MM       2 MM       2 MM         no       *       2 MM         no       *       *         Remote       *       *         next page       *       *</td><td>total       antigen       total         10 MM       IMM       10 MM         4 MM       1 MM       6 MM         2 MM       1 MM       2 MM         2 MM       0       0         no       0       no         no       0       0         ?       ?       ?         ?       ?       ?         Remote       Remote       Remote</td><td>total       antigen       total       antigen         10 MM       1 MM       1 MM       1 M         2 MM       1 MM       2 MM       1 M         2 MM       1 M       1 M       2 M         0 V       0 V       0 V       0 V         no       V       2       2         Remote       Remote       Remote</td><td>total       anugen         10 MM       1 MM         10 MM       1 MM         2 MM       1 MM         0 V       no         no       no         ?       ?         ?       ?         Remote       Remote         mext page</td><td>total     anugen     total     anugen       10 MM     1 MM     1 MM     1       4 MM     1 MM     6 MM     1 MM       2 MM     1 MM     2 MM     1 MM       9     9     9     9       9     9     9     9       9     9     9     9       9     9     9     9       9     9     9     9       9     9     9     9       9     9     9     9</td><td>total       antigen       total       antigen       total         10 MM       1 MM       1 MM       1 C         4 MM       1 MM       6 MM       1 MM       6         2 MM       1 MM       2 MM       1 MM       2         2 MM       1 MM       2 MM       1 MM       2         2 MM       1 MM       2 MM       1 MM       2         2 MM       1 MM       2       2 MM       1 MM       2         2 MM       1 MM       2       2 MM       1 MM       2         2 MM       1 MM       2       2 MM       1 MM       2         2 MM       1 MM       2       2 MM       1 MM       2         2 MM       1 MM       2       2 MM       1 MM       2         no       1 MM       2       0       1 MM       2         no       no       no       1 MM       2       1 MM       2         no       1 NO       no       1 MM       2       1 MM       2         no       1 NO       NO       NO       NO       NO       NO         ?       ?       ?       ?       ?       NO&lt;</td><td>total       antigen       total       antigen       total         10 MM       1 MM       1 MM       10 MM       10 MM         4 MM       1 MM       6 MM       1 MM       6 MM         2 MM       1 MM       2 MM       1 MM       2 MM         2 MM       1 MM       2 MM       1 MM       2 MM         2 MM       1 MM       2 MM       1 MM       2 MM         2 MM       1 MM       2 MM       2 MM       2 MM         2 MM       1 MM       2 MM       2 MM       2 MM         2 MM       1 MM       2 MM       2 MM       2 MM         2 MM       1 MM       2 MM       2 MM       2 MM         2 MM       1 MM       2 MM       2 MM       2 MM         10 *       no       no       *       2 MM         no       *       no       *       ?       *         ?       ?       ?       ?       *       ?         ?       ?       ?       ?       *       ?         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Remote       Remote       Remote       *       *         maxt page       *       *       *       *       *<td>total       anugen       total       anugen       total         10 MM       1 MM       1 MM       10 MM       10 MM         4 MM       1 MM       6 MM       1 MM       6 MM         2 MM       1 MM       2 MM       1 MM       2 MM         2 MM       1 MM       2 MM       1 MM       2 MM         2 MM       1 MM       2 MM       1 MM       2 MM         2 MM       1 MM       2 MM       2 MM       2 MM         2 MM       1 MM       2 MM       2 MM       2 MM         2 MM       1 MM       2 MM       2 MM       2 MM         2 MM       1 MM       2 MM       2 MM       2 MM         10 *       1 MM       2 MM       1 MM       2 MM         10 *       1 MM       2 MM       1 MM       2 MM         10 *       1 MM       1 MM       2 MM       2 MM         10 *       1 MM       1 MM       2 MM       1 MM         2 MM       1 MM       2 MM       1 MM       2 MM         10 *       1 MM       1 MM       2 MM       1 MM         2 MM       1 MM       2 MM       1 MM       2 MM</td><td>total       antigen       total       antigen       total       antigen       total       antigen         10 MM       1 MM       1 MM       1 MM       1 MM       2 M       2 M         2 MM       1 MM       2 MM       1 MM       2 M       2 M       2 M       2 M         2 MM       1 MM       2 MM       1 MM       2 M       2 M       2 M       2 M         2 MM       1 MM       2 MM       1 MM       2 M       2 M       2 M       2 M         2 MM       1 MM       2 MM       1 MM       2 M       2 M       2 M       2 M         2 MM       1 MM       2 MM       1 MM       2 M       2 M       2 M       2 M         2 MM       1 MM       2 MM       1 MM       2 M       2 M       2 M       2 M         10       1 MM       1 MM       2 M       1 M       2 M       2 M       2 M         10       1 MM       1 MM       2 M       1 M       2 M       2 M       2 M         10       1 MM       1 MM       2 M       1 M       1 M       2 M       1 M         10       1 M       1 M       2 M       1 M       1</td><td>total       antigen       total       antigen       total       antigen         10 MM       1 MM       1 MM       1 MM       2 MM       10 MM       2 MM         4 MM       1 MM       6 MM       1 MM       6 MM       2 MM       2 MM         2 MM       1 MM       2 MM       1 MM       2 MM       2 MM       2 MM       2 MM         2 MM       1 MM       2 MM       1 MM       2 MM       2 MM       2 MM       2 MM         2 MM       1 MM       2 MM       1 MM       2 MM       2 MM       2 MM       2 MM         2 MM       1 MM       2 MM       1 MM       2 MM       2 MM       2 MM       2 MM         2 MM       1 MM       2 MM       1 MM       2 MM       2 MM       2 MM       2 MM         2 MM       1 MM       2 MM       1 MM       2 MM       2 MM       2 MM       2 MM         no       no       no       no       no       no       no       no       no         ??       ?       ?       ?       ?       ?       ?       ?       ?       ?       ?       ?       ?       ?       ?       ?       ?       <td< td=""></td<></td></td>	total       antigen       total         10 MM       10 MM         4 MM       1 MM       6 MM         2 MM       1 MM       2 MM         2 MM       2 MM       2 MM         no       *       2 MM         no       *       *         Remote       *       *         next page       *       *	total       antigen       total         10 MM       IMM       10 MM         4 MM       1 MM       6 MM         2 MM       1 MM       2 MM         2 MM       0       0         no       0       no         no       0       0         ?       ?       ?         ?       ?       ?         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Remote       Remote       Remote       *       *         maxt page       *       *       *       *       * <td>total       anugen       total       anugen       total         10 MM       1 MM       1 MM       10 MM       10 MM         4 MM       1 MM       6 MM       1 MM       6 MM         2 MM       1 MM       2 MM       1 MM       2 MM         2 MM       1 MM       2 MM       1 MM       2 MM         2 MM       1 MM       2 MM       1 MM       2 MM         2 MM       1 MM       2 MM       2 MM       2 MM         2 MM       1 MM       2 MM       2 MM       2 MM         2 MM       1 MM       2 MM       2 MM       2 MM         2 MM       1 MM       2 MM       2 MM       2 MM         10 *       1 MM       2 MM       1 MM       2 MM         10 *       1 MM       2 MM       1 MM       2 MM         10 *       1 MM       1 MM       2 MM       2 MM         10 *       1 MM       1 MM       2 MM       1 MM         2 MM       1 MM       2 MM       1 MM       2 MM         10 *       1 MM       1 MM       2 MM       1 MM         2 MM       1 MM       2 MM       1 MM       2 MM</td> <td>total       antigen       total       antigen       total       antigen       total       antigen         10 MM       1 MM       1 MM       1 MM       1 MM       2 M       2 M         2 MM       1 MM       2 MM       1 MM       2 M       2 M       2 M       2 M         2 MM       1 MM       2 MM       1 MM       2 M       2 M       2 M       2 M         2 MM       1 MM       2 MM       1 MM       2 M       2 M       2 M       2 M         2 MM       1 MM       2 MM       1 MM       2 M       2 M       2 M       2 M         2 MM       1 MM       2 MM       1 MM       2 M       2 M       2 M       2 M         2 MM       1 MM       2 MM       1 MM       2 M       2 M       2 M       2 M         10       1 MM       1 MM       2 M       1 M       2 M       2 M       2 M         10       1 MM       1 MM       2 M       1 M       2 M       2 M       2 M         10       1 MM       1 MM       2 M       1 M       1 M       2 M       1 M         10       1 M       1 M       2 M       1 M       1</td> <td>total       antigen       total       antigen       total       antigen         10 MM       1 MM       1 MM       1 MM       2 MM       10 MM       2 MM         4 MM       1 MM       6 MM       1 MM       6 MM       2 MM       2 MM         2 MM       1 MM       2 MM       1 MM       2 MM       2 MM       2 MM       2 MM         2 MM       1 MM       2 MM       1 MM       2 MM       2 MM       2 MM       2 MM         2 MM       1 MM       2 MM       1 MM       2 MM       2 MM       2 MM       2 MM         2 MM       1 MM       2 MM       1 MM       2 MM       2 MM       2 MM       2 MM         2 MM       1 MM       2 MM       1 MM       2 MM       2 MM       2 MM       2 MM         2 MM       1 MM       2 MM       1 MM       2 MM       2 MM       2 MM       2 MM         no       no       no       no       no       no       no       no       no         ??       ?       ?       ?       ?       ?       ?       ?       ?       ?       ?       ?       ?       ?       ?       ?       ?       <td< td=""></td<></td>	total       anugen       total       anugen       total         10 MM       1 MM       1 MM       10 MM       10 MM         4 MM       1 MM       6 MM       1 MM       6 MM         2 MM       1 MM       2 MM       1 MM       2 MM         2 MM       1 MM       2 MM       1 MM       2 MM         2 MM       1 MM       2 MM       1 MM       2 MM         2 MM       1 MM       2 MM       2 MM       2 MM         2 MM       1 MM       2 MM       2 MM       2 MM         2 MM       1 MM       2 MM       2 MM       2 MM         2 MM       1 MM       2 MM       2 MM       2 MM         10 *       1 MM       2 MM       1 MM       2 MM         10 *       1 MM       2 MM       1 MM       2 MM         10 *       1 MM       1 MM       2 MM       2 MM         10 *       1 MM       1 MM       2 MM       1 MM         2 MM       1 MM       2 MM       1 MM       2 MM         10 *       1 MM       1 MM       2 MM       1 MM         2 MM       1 MM       2 MM       1 MM       2 MM	total       antigen       total       antigen       total       antigen       total       antigen         10 MM       1 MM       1 MM       1 MM       1 MM       2 M       2 M         2 MM       1 MM       2 MM       1 MM       2 M       2 M       2 M       2 M         2 MM       1 MM       2 MM       1 MM       2 M       2 M       2 M       2 M         2 MM       1 MM       2 MM       1 MM       2 M       2 M       2 M       2 M         2 MM       1 MM       2 MM       1 MM       2 M       2 M       2 M       2 M         2 MM       1 MM       2 MM       1 MM       2 M       2 M       2 M       2 M         2 MM       1 MM       2 MM       1 MM       2 M       2 M       2 M       2 M         10       1 MM       1 MM       2 M       1 M       2 M       2 M       2 M         10       1 MM       1 MM       2 M       1 M       2 M       2 M       2 M         10       1 MM       1 MM       2 M       1 M       1 M       2 M       1 M         10       1 M       1 M       2 M       1 M       1	total       antigen       total       antigen       total       antigen         10 MM       1 MM       1 MM       1 MM       2 MM       10 MM       2 MM         4 MM       1 MM       6 MM       1 MM       6 MM       2 MM       2 MM         2 MM       1 MM       2 MM       1 MM       2 MM       2 MM       2 MM       2 MM         2 MM       1 MM       2 MM       1 MM       2 MM       2 MM       2 MM       2 MM         2 MM       1 MM       2 MM       1 MM       2 MM       2 MM       2 MM       2 MM         2 MM       1 MM       2 MM       1 MM       2 MM       2 MM       2 MM       2 MM         2 MM       1 MM       2 MM       1 MM       2 MM       2 MM       2 MM       2 MM         2 MM       1 MM       2 MM       1 MM       2 MM       2 MM       2 MM       2 MM         no       no       no       no       no       no       no       no       no         ??       ?       ?       ?       ?       ?       ?       ?       ?       ?       ?       ?       ?       ?       ?       ?       ? <td< td=""></td<>

You have to confirm:



The message **PAT\_UPD** will be stored in the queue of outgoing messages, and will be processed within **1** Hour.

EMDIS	×
The of o	message PAT_UPD was stored in the queue utgoing messages.
	<u>O</u> K

When the message has been processed, and sent out to the different EMDIS countries, you will start receiving EMDIS search results. The timing depends from the different countries: not all countries process their messages every hour.

The table on the right of your screen will display that the search state has been set to preliminary.

Select	HUB	State	Watch	Search result	Reaso
	ALL	?			
	BE	Preliminary Search		13/12/2012	?
	AT	?			
	AU	?			
	SE	?			
	CH	?			
	cz	?			
	DE	?			
	ES	?			
	FR	?			
	GB	?			
	IT	?			
	NL	?			
	NO	?			
	GL	?			
	WA	?			
	US	?			
	SX	Preliminary Search			?

## **IV.II.2. Active status**

When you received search results and you wish to send a further request, the status must be set to ACTIVE (**ACT**). Go to the EMDIS status menu and set the new patient state to "2 active".

Vali: BE,AT,AU,SE,CH,CZ,DE,ES,FR,GB,IT,NL,NO,GL,WA,US,BX,SX - Change patient status	ок	Esc
Old nations state: Preliminary Search		
New notions state need in in nerve		
new patient state profilminary		
Reason for change 2 active		

When the patient status is active, the remote HUB will perform repeated donor searches.

#### **IV.II.3. Suspension - stopped status**

The patient file can be suspended or cancelled via the same menu:

Vali: BE,AT,AU,SE,CH,CZ,DE,ES,FR,GB,IT,NL,NO,GL,WA,US,BX,SX - Change patient status								
Old patient state: Active								
New patient state active -								
Reason for change Unknown reaso								
, <u>C</u> ancel								

If the patient status has been changed to **STP**, all requests are automatically canceled and you don't need to send the messages "Cancellation of request".

If the patient status has been changed to **SUS** "suspended", the requests are not cancelled and you have to do the cancellation of the messages manually by "Cancellation of request".

To change a cancelled or suspended file to status active again, it is necessary to send also the patient update, but you will be guided by the system:

EMDIS	×
?	You should also update patient's data in remote registry. Do you want do it now?
	Yes No

Prometheus will lead you through the different patient update screens: pressing yes will store the message in the queue of outgoing messages, the patient will be active again.

## **IV.II.4.** Cancellation of a search

As explained in previous point, the patient can be set to "stopped" status to cancel the search. The Registry will be informed about the patient cancellation, and will inform all Non EMDIS countries as well.

# **IV.III. Search results**

#### **IV.III.1. EMDIS search results**



This chapter describes the application window for the EMDIS search results analysis. It is possible to call it up by the button EMDIS Search Results:

Go to EMDIS search results:

The option contains four bookmarks:

```
Patient Summary of Donors List of Donors Donor - Details
```

- Patient,
- Summary of Donors,
- List of donors,
- Donor Details.

The first time you want to consult the search results, the following screen will be displayed:

J. Sorting	Allele Codes	🏈 Report	Show/Hide Report Maker	Custom Report	Request	Sample Request	CBU Report Request	Typing history	IDM Reques
a columi hea	der here to grox			8E 601	103P	TC BETRAVUE	A 01.500 B 07.500 H 02.500 07.500	C 01 XX DRB1 01:01 01:02	DQ81

If you click on the small button in the left upper corner, the following option list of available columns will be displayed:

🔲 Msg	P(C) Source	🔲 HLA-C2	📃 CB Vol	📝 Sample res.
📃 Validity	🔲 DR.1 [03:01]	📃 HLA-DRW1	CMV	📃 Local ethnic
📃 Record Update	🔲 DR.2 [04:01]	📃 HLA-DRW2	📃 CMV Date	
📃 Donor Update	P(DRB1)	DRB31	EBV	<b>V</b>
🗸 Last REQ	P(DRB1) Source	DRB32	📃 Τοχο	🔽 Date
🗸 Note	DQ.1 [02:01]	DRB41	📃 Serial number	📝 GRID
🔲 HUB	🔲 DQ.2 [03:02]	DRB42	📃 LogMsgSerial	🔽 CCR5
D	P(DQB1)	🔲 DRB51	📃 Record number	📝 Contact date
State	P(DQB1) Source	DRB52	CBNC Frozen	📝 Checkup date
📃 Туре	MM(A)	DQB11	📃 CB VOL Frozen	📝 Donor pool
Sex 📃	MM(B)	DQB12	📃 CB34 PC Frozen	📝 Donor attribute
DOB DOB	MM(C)	DQA11	📝 Num.of MARR	📝 Kir2Dl1
📃 Match Grade ABDR	MM(DR)	DQA12	📝 Num.of PBSC	📝 Kir2D12
📃 Match Grade	MM(DQ)	DPB11	📝 Num.of trans.	📝 Kir2D13
📃 Match Grade Integer	MM(COUNT)	DPB12	📝 Num.of preg.	📝 Kir2D14
📃 Phenotype quality	AntMM(A)	DPA11	📝 Collection Type	📝 Kir2DI5a
📃 Donor number	AntMM(B)	DPA12	📝 In Web	📝 Kir2DI5b
📃 Match Grade Internal	AntMM(C)	📃 DNA-A1	📃 ProblnitTime	📝 Kir2Ds1
📃 Prob Match Type	AntMM(DR)	🔲 DNA-A2	📃 ProbCalcTime	📝 Kir2Ds2
P(10 /10)	📃 AntMM(DQ)	📃 DNA-B1	📝 TYP_REQ	📝 Kir2Ds3
P(9/10)	AntMM(COUNT)	📃 DNA-B2	📝 SMP_REQ	📝 Kir2Ds4
A.1 [01:01]	🔲 HLA-A1	DNA-C1	📝 WOR_REQ	📝 Kir2Ds5
A.2 [03:01]	🔲 HLA-A2	DNA-C2	📝 IDM_REQ	📝 Kir2Dp1
P(A)	HLA-B1	📃 Status reason	🔽 RSV_REQ	📝 Kir3Dl1
P(A) Source	HLA-B2	Status end date	🔽 CBR_REQ	📝 Kir3Dl2
B.1 [07:CZZS]	HLA-DR1	Ethnic Ethnic	🔽 Age	📝 Kir3D13
B.2 [08:01]	🔲 HLA-DR2	ABO	📝 CMV lgG	📝 Kir3Ds1
P(B)	📃 HLA-DQ1	CD34+ col	📝 CMV lgM	📝 Kir3Dp1
P(B) Source	📃 HLA-DQ2	CB CFU	🔽 Tag	📝 KirGl
C.1 [07:WTR]	DRB11	CB Mononc	📝 Weight	
C.2 [07:WCP]	DRB12	CBNC	📝 Height	
P(C)	HLA-C1	CB Reduction	I BMI	

If you want to save the selection of the parameters click on and select "Store user settings":

#### New items:

1	Kir2DI1
1	Kir2DI2
1	Kir2DI3
1	Kir2DI4
1	Kir2DI5a
1	Kir2DI5b
1	Kir2Ds1
1	Kir2Ds2
1	Kir2Ds3
1	Kir2Ds4
1	Kir2Ds5
1	Kir2Dp1
1	Kir3DI1
1	Kir3Dl2
1	Kir3D13
1	Kir3Ds1
1	Kir3Dp1
-	KirGl

Donor KIR gene 2DL1,.....

Possible values:

POS = Presence of KIR gene

# NEG = Absence of KIR gene

<ul> <li>GRID</li> <li>CCR5</li> <li>Contact date</li> <li>Checkup date</li> <li>Donor pool</li> <li>Donor attribute</li> </ul>	
GRID:	Global registration identifier for donors. (not yet applicable).
CCR5: Contact date:	CBU CCR5 status DD = deletion (delta 32) - homozygous DW = deletion (delta 32) / wildtype – heterozygous WW = Wildtype – homozygous. Date of last confirmed contact with the donor.
Checkup date: Donor attribute:	Date of last medical checkup of the donor. free note

#### IV.III.1.a. Patient

#### Patient Summary of Donors List of Donors Donor - Details

It contains the basic patient information, e.g. the personal identification number, the last name and first name, the HLA typing, search status,....

#### IV.III.1.b. Summary of donors

	<u>S</u> ummary	of denors Li	t of <u>D</u> onors	Donor - Det	ails						
Status	HUB	Date	6/6 Allele M	6/6 Potenti	6/6 Antig.M	5/6 Antiger	4/6 Antiger	4/4 Antiger	3/4 Antiger	Unknown /	0
bid	×	10.1.2008				1					
bic	××	31.2008				16		45			
ЫС	××	31.2008				16		45			
bid	*	28.12.2007				16		45			

#### Summary of EMDIS search results (Summary of donors)

This window screen gives an overview of the donor summary list.

Status: New: new search results.

Status : Old : the list has been processed.

HUB: the Registry sending the search results.

Date: date when search results have been sent.

Match grade columns: number of donors received per match grade.

Report of donors (below the screen): enables to check your search options.

#### IV.III.1.c. List of Donors

Patient Summary of Donors List of Donors Donor - Details

The tab "list of donors" displays all donors your received in this message : each line of this table represents a donor.

et E	MD	IS See	arch Res	ults: x	cxx,	.6																		3
Pat	ien	t   <u>S</u> u	mmary	of do	nois [[	ist of <u>Don</u>	ors Donor -	Deta	ails															
C	9 L.	dect F Sortin	g	¶ B.	ect Firet Sorting	Multple Allele Codes	Re Re	port	Ę		show/Hide eport Mak	e	Cuetom Report	Req	ing cest	U	San Req	vele Jest	Í	CBU Res	Report quest	•][	×	
A B	С	DDD RQP	Record Update ⊽	Donor Updat	Last REQ	Note HU B	ID	Stat	Туре	Sex	DOB	YOB	Match Grade ABDR	Match Grade	A.1 [03:EG	A.2 [68:TD	B.1 [07:CZ	B.2 [35:CG	C.1 [04:FE	C.2 [07:FE	DR.1 [04:04]	DR.2 [12:DU	DQ.1 [03:02:	DQ.2 [03:E
P A	P	AA	21/09/2018	New		BE		۵V	MD	м	1962-01-09	1962	6/6 Potential (Allele) Match	10/10	03:EGDT	68:TDS	07:CZZS	35:CGAH	04:FEVX	07:FEWC	04:04	12:DUKV	03:02:01	03:EN
P A	P	L L	21/09/2018	New		BE		٩V	MD	F	1975-09-19	1975	6/6 Antig.Match - Allele MM	8/10	03:UDR0	68:CRFK	07:SNFD	35:CGAH	04:TKWH	07:TKXU	04:01:0	12:DUKV		03:SN
ML	Ρ	LA	21/09/2018	New		BE		ΑV	MD	F	1983-12-14	1983	5/6 Antigen Match	7/10	03:AAAU	11:AET	07:TXXS	35:ABG	04:AFXN	07:ABGF	04:01:0	12:DUKV	03:YGKM	1 03:AF
P M		L ·	21/09/2018	New		BE		٩V	CB	м	2001-01-23	2001	5/6 Antigen Match	8/10	3	28	14	35			04:NP	12:AG		
P A	Р	MA	21/09/2018	New		BE		۵V	MD	м	1979-05-22	1979	5/6 Antigen Match	9/10	03:UDR0	68:CRFK	07:SNFD	35:CGAH	04:TKWH	07:TKXU	04:04:01	11:CTPI	03:RCH	03:SN
P P	P	M +	21/09/2018	New		BE		٩V	MD	м	1971-12-11	1971	5/6 Antigen Match	9/10	03:XX	68.XX	07:XX	35.XX	04:XX	07:XX	04:04	11:02:0		
P A	Р	M A	21/09/2018	New		BE		٩V	MD	м	1978-10-24	1978	5/6 Antigen Match	9/10	03:VSBE	68:01	07:TXXS	35:CGAH	04:YGKF	07:YGKH	04:04:01	04:01:0	03:YGKM	1 03:ZA
P A	Р	MA	21/09/2018	New		BE		٩V	MD	F	1977-12-02	1977	5/6 Antigen Match	9/10	03:VSBE	68:01	07:TXXS	35: CGAH	04:YGKF	07:YGKH	1 04:04:01	04:HTW	03:YGKM	1 03:ZA
P P	P	M +	21/09/2018	New		BE		٩V	CB	м	2007-08-16	2007	5/6 Antigen Match	9/10	03.XX	68.XX	07:XX	35:XX	04:XX	07:XX	04:XX	15:XX		
ΡP	•	M +	21/09/2018	New		BE		٩V	MD	F	1967-09-01	1967	5/6 Antigen Match	9/10	3	68	7	35			04:YK	03:01		
ΡL	Р	M +	21/09/2018	New		BE		٩V	MD	F	1968-11-11	1968	5/6 Antigen Match	8/10	03:ECAM	68:CAKR	07:CZZS	35:02	04:FEAS	07:XX	11:04	12:DUKV		
P P		м -	21/09/2018	New		BE		٩V	CB	м	2001-02-03	2001	5/6 Antigen Match	8/10	03:XX	68:XX	07:>>>	35:XX			04:TM	13:GVA		
P P	P	M +	21/09/2018	New		BE		٩V	MD	F	1961-05-15	1961	5/6 Antigen Match	8/10	3	28	7	35	4	7	04:TM	13:APC		
M		P +	21/09/2018	New		BE		٩V	CB	м	1999-10-23	1999	4/6 Antigen Match	8/10	66:01	68:XX	41:02	35:XX			04:>>>	12:XX		
MA	Р	M +	21/09/2018	New		BE		۵V	CB	F	1998-05-26	1998	4/6 Antigen Match	8/10	03:XX		07:02	35:03	4	7	04:XX	08:XX		
м А	•	M +	21/09/2018	New		BE		۵V	CB	F	1997-10-21	1997	4/6 Antigen Match	8/10	03:01	31:01	07:02	35:03			04:XX	13:02		
M P		M +	21/09/2018	New		BE		٩V	CB	м	2011-02-07	2011	4/6 Antigen Match	8/10	03:XX		07:XX	35.XX			15:01	12:01		
M P		M +	21/09/2018	New		BE		٩V	CB	F	2010-09-15	2010	4/6 Antigen Match	8/10	03:XX		07:XX	35:XX			11:JCJ	12:01		
M P		M +	21/09/2018	New		BE		٩V	CB	м	2002-03-26	2002	4/6 Antigen Match	8/10	03:XX		07:XX	35:XX			01:XX	12%		
M P	•	M +	21/09/2018	New		BE		٩V	CB	F	2009-02-18	2009	4/6 Antigen Match	8/10	03.XX		07:XX	35:XX			04:>>>	15:XX		
M P		M ·	21/09/2018	New		BE		٩V	CB	F	2009-01-30	2009	4/6 Antigen Match	8/10	03:XX	23:XX	07:XX	35:XX			04:04	01:01		
P M		M +	21/09/2018	New		BE		٩V	CB	м	2006-03-15	2006	4/6 Antigen Match	8/10	03:XX	68:XX		35:XX			01:BP	12:AVM		
P M		M -	21/09/2018	New		BE		AV	CB	F	2001-03-04	2001	4/6 Antigen Match	8/10	03:XX	68:XX	07:02	44:02			11:AD	12:XX		

#### Search result table

On the left side the match level is displayed similarly to WMDA/BMDW. A – Green – allele match.

B – Blue: potential allele match.

L – Yellow – allele mismatch, but antigen match, the HLA code is shown in bold blue font.

M – Red : antigen mismatch, the HLA code is shown in bold green font.

- - : not specified.

DPB1 permissive / non-permissive matching is implemented and displayed in column DP. Match grade is marked in the following way:

- P Permissive (green).
- G Non-permissive in GvH direction (red).
- H Non –permissive in HvG direction (red).
- A Ambiguous (yellow).

#### List of the potential EMDIS donors for the patient

The meaning of the main columns of the table is following:

Message: new: new donor information - old: information already processed

Record update: date of updates

Donor update: New (a new donor),

Upd (= Update) : donor update

#### Dupl (=Duplicate) : donor update without change of information

Last REQ: display of last activated request

HUB: the Registry donor sending the donor date.

**ID**: the identifier of the donor in the EMDIS system. Two first letters are a shortcut of the Registry.

Status: the donor status

**Type**: the type of the donor (MD = marrow donor, CB = cord blood).

**Sex**: sex (F=female, M=male)

Year of Birth: (has only sense for MD donors).

Match grade: match grade of the donor and the patient.

**A.1, A.2**: the intelligent columns for HLA-A locus of the donor. If the donor has the typing at the level DNA, the DNA data will appear (allele or the code NMDP which expresses the group of the alleles, otherwise the serology typing will appear. The data of these two columns are arranged in such a way that data of the patient can easily be compared. If you click on the **NMDP code** expressing the groups of the alleles (e.g. A\*02BEJX), the list of the alleles included in this code will appear in the status bar under the table. If the donor has a mismatch with the patient on this locus, the displayed value is highlighted in color both in the table of donors and in the HLA panel of the patient (on the right up).

**B.1, B.2**: the intelligent columns for HLA-B locus of the donor.

C.1, C.2: the intelligent columns for HLA-C locus of the donor

DRB1.1, DRB1.2: the intelligent columns for HLA--DR/DRB1 locus of the donor

DQB1.1, DQB1.2: the intelligent columns for HLA--DQ/DQB1 locus of the donor

If you press the button I, the window selection screen of all columns will be displayed, settings can be changed.

**Tip**: If you cancel the filter "Validity=Latest" and on the contrary you set the filter of the ID column to only one ID donor, the data history of this donor will appear for you.

The "List of donors" offers following actions:



#### SORTING:

The different sorting options are:

- Latest first sort search results according to date and HUB;
- Best first by match grade sort search results according to match grade;
- Best first probability.

Sorting	Multiple Allele Codes	<u>م</u>	Report	Ð,	Show/Hide Report Maker	Custom Report	* Typing Request	Īī	Sample Request
Drag a column hea	<u>P</u> atient M <u>D</u> onor MA	IACs ACs	nat colum	n	BE60148P Test Friday		TC BETR	AVUB1	<b>A</b> 01:02

Patient Macs: will display possible alleles of your patient

**Donor Macs:** will display possible alleles for the selected donor.

Sorting All	e es Report	Show/Hide Report Maker	Custom Report	Request
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#### **REPORT:**

It is possible to print a search report: clicking "**report**" will open the window screen to indicate the filters – order – match grades and more specific parameters as displayed in the screen below.

New options :

				<b></b>		
EMDIS Search Result Options					ОК	Esc
Filters:		Order:				
Validity	Latest	Sorting	A-B-C-DRB1-DQ	31 Match Grade	•	
Type of donors	?	•				
HUB						
Date	•					
Show only selected DNA match grad	es:	Options:				
6/6 Allele Match	yes •	Show Local ID	no • Matcl	n probabilities no	•	
6/6 Potential (Allele) Match	yes -	Show ID2	no • R	ecord updates no	-	
6/6 Antig.Match - Allele MM	yes -	Show Sample ID	no - Name	s and pers.no. no	•	
5/6 Antigen Match	yes -	Show donor weight	yes -			
4/6 Antigen Match	yes -	Show donor TX	no - N	um. of trans.: no	-	
4/4 AB Antigen Match	yes -	Match grade summary	yes -	lum. of preg.: no	•	
3/4 AB Antigen Match	yes •	Lists of HUBs	yes - Show	dates request no	•	
2/4 AB Antigen Match	no 🗸	Multiple allele codes	yes •	Age: no	•	
Unknown / Too many MM	no 🗸	CMV interpretation	no 🔻	Notes: no	•	
List of settings	Save settings	List of settings	Save settings			
				🗸 OK 🛛 🗶 Ca	ncel	
						171
F3,right mouse button=selection table, +/-/s	pace , 0=?, 1=Cord Blood	d, 2=Marrow Donor				

It is possible to select the DNA match grad parameters and save this specific set: press Save settings, and the following window screen will open:

	HUB		
	save settings -	DNA MATCH	GRADE
<u>how</u>	name		<u>b:</u> Local ID Show ID2
	Save		Cancel ample ID
	5/6 Antigen Match	yes •	Show donor weight
	4/6 Antigen Match	yes •	Show donor TX
	4/4 AB Antigen Match	yes •	Match grade summary
	3/4 AB Antigen Match	yes -	Lists of HUBs
	2/4 AB Antigen Match	no 🗸	Multiple allele codes
	Unknown / Too many MM	no 🗸	CMV interpretation
	List of settings	Save settings	List of settings

Name the settings and then press Save:

	save settings - DNA MATC	H GRADE
iow	name Set 1	us: Loca
	Save	Cancel ampl
	5/6 Antigen Match ∣yes ▼	Show donor we

When you go to List of settings the archived sets are displayed, select one and then press Load to activate this set of settings:

saved settings - DNA MATCH G	PADE
saved settings - DIVA WATCH G	NADE
1911 save	
searchsettings1	
Set 1	
test	
· · · ·	1
Load Remove 0	Cancel
2/6 ADUGED March	Ves
or Antigen Inden	
4/6 Antigen Match	yes 🔻
4/4 AB Antigen Match	yes •
3/4 AB Antigon Match	Ves
of the finagen materi	14
2/4 AB Antigen Match	no v
2/4 AB Antigen Match	no 🔻
2/4 AB Antigen Match Unknown / Too many MM	no v
2/4 AB Antigen Match Unknown / Too many MM	no v
2/4 AB Antigen Match Unknown / Too many MM List of settings	no v no v Save setting
2/4 AB Antigen Match Unknown / Too many MM List of settings	no v No v Save setting
2/4 AB Antigen Match Unknown / Too many MM List of settings	no v No v Save setting
2/4 AB Antigen Match Unknown / Too many MM List of settings	no v no v Save setting

It is equally possible to save settings for the other parameters :

Options:	
Show Local ID	no • Match probabilities no •
Show ID2	no • Record updates no •
Show Sample ID	no ▼ Names and pers.no. no ▼
Show donor weight	yes •
Show donor TX	no • Num. of trans.: no •
Match grade summary	yes • Num. of preg.: no •
Lists of HUBs	yes • Show dates request no •
Multiple allele codes	yes • Age: no •
CMV interpretation	no • Notes: no •
List of settings	Save settings
	🗸 OK 🛛 🗶 Cancel

#### The printed search report:

Search Report Search ID: 1401 Generated on 08.10.2018 Search coordinator: MIXED TC DC ALL			Varros: Donor Angroa Melgia Reptin	Marrow I Motstraat 40 2800 Meche Belgium	Marrow Donor Program Belgium - Registry Motsraat 40 2800 Mechelen Belgium					
Patient: Sting Peter Old ID : BE744 Gender: M DOB: 10/10/1960 A	21P \BO: AB	Rhesus: -	Diag:	EMDIS Diag	: HIS	CMV: ?				
Patient's phenotype		03:01 03:01	15:01 15:01	03:04:01:01 03:04:01:01	03:01 03:01					
Donor ID Stat Eth Born G BG r	CMV:	A or A*	B or B*	C or C*	DR or DRB1	DRB345	DQ or DQB1	DPB1		
8/10 Match Grade										
BETEST000000658		3 <u>2</u>	62		3 4		3			
						4201 0000	0000 0040	622		
						1				

GRID is added to the search result report: both in form of a barcode and as a number.

Note: The Prometheus EMDIS report is similar to the ZKRD EMDIS report.

Header: patient name, patient ID, gender, DOB, ABO rhesus, Diagnosis.

#### Patient's phenotype.

Header potential donors: the date of birth, CMV, HLA loci, the donor status, the sex, etc. listed per match group.

**Note:** if DNA typing has been done, the DNA data will appear on the report, if not, the serological typing will be printed.

Mismatches between the phenotype of the donor and of the patient are highlighted on the report (applicable for HLA loci A/A, B/B, DR/DRB1).

- Mismatch allele highlighted in bold.
- Mismatch split/broad highlighted in bold and underlined.

Depending on the requested parameters specific information will be printed on the report:

New in version 185:

Patient CMV info is added in the EMDIS search result report:



#### Summary of donors:

SUMMARY 5/6 Antigen Match: 3 donors 4/6 Antigen Match: 21 donors 4/4 AB Antigen Match: 8 donors 3/4 AB Antigen Match: 22 donors

#### List of shortcuts of the Registries:

Shortcuts appear at the beginning of the donor identification and are underlined. **BE**34445D.

BE = Belgium

#### List of NMDP codes:

Expresses multiple allele codes displayed in the report:

MULTIPLE ALLELE CODES A\*01:01 = 01:01N/01:01 A\*01:XX = 01:01/01:01N/01:02/01:03/01:04/01:04N/01:06/01:07/01:08/01:09/ 01:10/01:11/01:11N/01:12/01:13/01:14/01:15/01:15N/01:16N/01:16/ 01:17/01:18N/01:18/01:19/01:20/01:21/01:22/01:22N/01:23/01:24/ 01:25/01:26/01:27 N/01:27/01:28/01:29/01:30/01:31 N/01:31/01:32/ 01:33/01:34 N/01:34/01:35/01:36/01:37/01:38/01:39/01:40/01:41/ 01:42/01:43/01:44/01:45/01:46/01:47/01:48/01:49/01:50/01:51/ 01:52N/01:52/01:53/01:53N/01:54/01:55 A\*02:XX = 02:01/02:01L/02:02/02:03/02:04/02:05/02:06/02:07/02:08/02:09/ 02:10/02:11/02:12/02:13/02:14/02:15/02:15N/02:16/02:17/02:18/ 02:19/02:20/02:21/02:22/02:24/02:25/02:26/02:27/02:28/02:29/ 02:30/02:31/02:32/02:32N/02:33/02:34/02:35/02:36/02:37/02:38/ 02:39/02:40/02:41/02:42/02:43/02:43N/02:44/02:45/02:46/02:47/ 02:48/02:49/02:50/02:51/02:52/02:53/02:53N/02:54/02:55/02:56/ 02:57/02:58/02:59/02:60/02:61/02:62/02:63/02:64/02:65/02:66/ 02:67/02:68/02:69/02:70/02:71/02:72/02:73/02:74/02:75/02:76/ 02:77/02:78/02:79/02:80/02:81/02:82/02:82N/02:83N/02:83/02:84/ 02:85/02:86/02:87/02:88/02:88N/02:89/02:90/02:91/02:92/02:93/ 02:94N/02:94/02:95/02:96/02:97/02:99/02:101/02:102/02:103/02:104/ 02:105/02:106/02:107/02:108/02:109/02:110/02:111/02:112/02:113/ 02:113N/02:114/02:115/02:116/02:117/02:118/02:119/02:120/02:121/ 02:122/02:123/02:124/02:125/02:125 N/02:126/02:127 /02:128/02:129/ 02:130/02:131/02:132/02:133/02:134/02:135/02:136/02:137/02:138/ 02:139/02:140/02:141/02:142/02:143/02:144/02:145/02:146/02:147/ 02:148/02:149/02:150/02:151/02:152/02:153/02:154/02:155/02:156/ 02:157/02:158/02:159/02:160/02:161/02:162/02:163/02:164/02:165/ 02:166/02:167/02:168/02:169/02:170/02:171/02:172/02:173/02:174/ 02:175/02:176/02:177/02:178/02:179/02:180/02:181/02:182/02:183/ 02:184/02:185/02:186/02:187/02:188/02:189/02:190/02:191/02:192/ 02:193/02:194/02:195/02:196/02:197/02:198/02:199

Sorting	Multiple Allele Codes	Report	Show/Hide Report Maker	Custom Report	Request
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The button report maker will open an additional screen at the right of the window:

6	Show/Hide Report Maker	1	Eustom Report		C Typ Req	oing uest	Sample CBU Repo Request Request	t				×
	BE         TC         A 01XX         B 08XX         C         DRB1 03:01         DQB1           Donant Sssss Donant         BETRAKUL1         03:XX         15:01         12:21         Report Maker (Eustom Report)								Report Maker (Custom Report)			
IB	ID		State	Туре	Sex	DOB	Match Grade	Match Grade ∆	Phenot ype ⊽	A.1 [01:XX]	A.2 [03:XX]	🕞 Insert 🔞 Remove
	SX		AV	MD	м	1974	5/6 Antigen Match	11266	7	1	3	Donor identification HUB Date
	SX		AV	MD	F	1963	5/6 Antigen Match	11394	7	1	3	
	SX		AV	MD	F	1970	5/6 Antigen Match	11394	7	1	3	
	SX		AV	CB	М	2001	4/6 Antigen Match	19714	24	01:01	24:02	

This tool allows you to make a customized report:

Donors can be inserted into your report by clicking "insert":

rag a column neader nere to group by that column						Donant Sssss	: Donant			BETRA	KUL1 03:XX 15:01		12:21			Report Maker (Custom Report)
Msg	Do Up	onor pdat	Validity	Record Update	HUB	ID	State	Type	Sex	DOB	Match Grade	Match Grade	Phenot ype ⊽	A.1 [01:XX]	A.2 [03:XX]	😰 Insert 🕼 Remove
No	w Ne	ew	Latest	07.08.2012	SX	S>	AV	MD	м	1974	5/6 Antigen Match	11266	7	1	3	Donor identification HUB Date
N	w Ne	ew	Latest	07.08.2012	SX	S>	AV	MD	F	1963	5/6 Antigen Match	11394	7	1	3	SX D_ SX 07.08.12
N	w Ne	ew	Latest	07.08.2012	SX	S>	AV	MD	F	1970	5/6 Antigen Match	11394	7	1	3	
Ne	w Ne	ew	Latest	07.08.2012	SX	S>	AV	CB	м	2001	4/6 Antigen Match	19714	24	01:01	24:02	
Ne	w Ne	ew	Latest	07.08.2012	SX	S>	AV	CB	М	1999	4/6 Antigen Match	19714	9	02:XX	03:XX	
N	w Ne	ew	Latest	07.08.2012	SX	S>	AV	MD	м	1954	4/6 Antigen Match	19714	8	1	19	
N	w Ne	ew	Latest	07.08.2012	SX	S>	AV	MD	М	1967	4/6 Antigen Match	19714	8	1	26	
Ne	w Ne	ew	Latest	07.08.2012	SX	S>	AV	MD	М	1974	4/6 Antigen Match	19714	8	24	3	
N	w Ne	ew	Latest	07.08.2012	SX	S>	AV	MD	м	1965	4/6 Antigen Match	19714	7	1	2	
N	w Ne	ew	Latest	07.08.2012	SX	S>	AV	MD	м	1972	4/6 Antigen Match	19714	7	1	2	
Ne	ew Ne	ew	Latest	07.08.2012	SX	SX1	AV	MD	М	1974	4/6 Antigen Match	19714	7	1		
N	w Ne	ew	Latest	07.08.2012	SX	S>	AV	MD	М	1979	4/6 Antigen Match	19714	7	1	2	
N	w Ne	ew	Latest	07.08.2012	SX	S>	AV	MD	F	1980	4/6 Antigen Match	19714	7	1	32	
N	w Ne	ew	Latest	07.08.2012	SX	S>	AV	MD	F	1983	4/6 Antigen Match	19714	7	1		

Selection of multiple donors : SHIFT + mouse click or arrow. Donors can be deleted or the whole list

can be cleared. To print your customized report select: **"Custom report"**. User documentation part 1 – Transplant management version 4.0



Your customized report will be printed:

#### IV.III.1.d. Activating requests

**Typing request** – the typing request window screen will be opened: donor identification will be prefilled. (how to activate typing request: see <u>chapter IV.IV.1. EMDIS Typing request</u>).

	ENIDIO Search Results: 271 Testi, DE74041P								
atient Summary of Donors List of Donors Donor - Details									
Sorting Alele Codes Report Show/Hide Custom Report Maker	Request Sample Request CBU Report Typing IDM Request IDM Request								

**Sample request** – the blood sample request window screen will be opened: donor identification will be prefilled. (how to activate typing request: see chapter <u>IV.IV.2. EMDIS Sample request</u>).

Sorting Multiple Allele Codes	Report Show/Hide Report Maker	Custom Report	Request	Sample Request
-------------------------------------	----------------------------------	------------------	---------	-------------------

		EIVIDIS Search Re	esuits: 271 Test1,							
Patient Summa	atient Summary of Donors List of Donors Donor - Details									
Sorting	Allele Codes Report	Show/Hide Report Maker	Custom Report	Request	Sample Request	CBU Report Request	Typing history	IDM Request		

**IDM request** – the IDM request window screen will be opened: donor identification will be prefilled.

		EIVIDIO SEATCH RESULS: 271 TESTI,	
Patient Summary of Donors List of Donors	Donor - Details		
Sorting Aultiple Allele Codes Report	Show/Hide Custom Report Maker	Typing Request Sample Request Typing Typing Request	IDM Request

**CBU report request** – the CBU report request window screen will be opened: donor identification will be prefilled. (how to activate typing request:

		EIVIDIS SEARCH RESULTS: 271 TEST,
Patient Summary of Donors List of Donors	Donor - Details	
Sorting Aultiple Allele Codes Report	Show/Hide Custom Report Maker	Sample CBU Report CBU Report IDM Request

## IV.III.1.e. Typing history

•						EIVIDIO SEAL	ch Results: 271 Testi, P	
Patient Summa	ry of Don	ors List of <u>D</u> onor	s Donor - Details					
Sorting	4ultipl€ Allele Codes	Report	Show/Hide Report Maker	Custom Report	Request	Sample Request CBU Repu	rt Typing history	IDM Request

The new button "Typing history" is an option to log a discrepant typing found on the confirmatory typing of a blood sample you received from international donors.

Go to EMDIS search results, and then select a previously requested SMP\_REQ in the list:

				·			 _		L <del>.</del>	· ·		
	SMP_REQ	DE	DE					AV	MD	М	1960	6/6 Allele Match
	SMP_REQ	DE	DE					DE	MD	М	1958	5/6 Antigen Match
	CHD DEO	DE	DEI	21.0	227	00			LUD	E	1001	E IO A CONTRACTOR

Then select:

Sample	CBU Report	Typing	IDM	
Request	Request	history	Request	
		C 1	1.	TO

Select the donor for which you received a sample: the following window screen will be opened:

										Data t	yping hist	ory	В								X
	A	В	C	DR	DQ	DR₩	A*	B*	C*	DRB1	DQB1	DPB1 /	DRB3	DRB4	DRB5	DQA1	DPA1	Typing center	User	Туре	
																		Typing date	Record Date		
											<no< td=""><td>data to disp</td><td>lay&gt;</td><td></td><td></td><td></td><td></td><td>Typing date</td><td>Record Date</td><td></td><td></td></no<>	data to disp	lay>					Typing date	Record Date		
L																					
.0	onse	nsus ty	pe								2024		0004			0004					
A		C	DR D	Q DRW	A*	8	•	C*		DRB1	DQ81		DPB1	DRBC	5	DRB4	DRI	55 DQ	A1 DP	A1	
1	•	/			•																HLA Codes
N	ew H	LA typi	ing resul	t Labora	tory	•	•• 👻	Typing date	e		-										
Α	в	с	DR D	Q DRW	A*	B		C*		DRB1	DQB1		DPB1	DRB3	3	DRB4	DRI	35 DQ	A1 DP	A1	
	•••	••• ••			•	•••		•••	•••		•••			•••	•••		•••	•••	•••	•••	<b>V</b>
						•••			•••							1		•••	•••		HLA Codes
H															_	] [					
N	ew C	onsens	us type																		
Α	В	С	DR D	Q DRW	A*	B	•	C*		DRB1	DQB1		DPB1	DRB3	3	DRB4	DRI	35 DQ	A1 DP	A1	
1	8	7			•	•••		•••	•••		•••			•••	•••			•••	•••	•••	77
					•											1		•••	•••		≚ HLA Codes
															_						
		eset New Insensus	Co Pro	opose New onsensus	🔒 Sav	ve changes	E Ex	port to Exce		, Report	i≡ di	Print screpancie	s								× Close

There are three rows, where HLA data can be seen or entered in the lower part of the screen.

#### Consensus type:

C	Con	se	nsu	st	typ	e													
Α		В		С		DR		DQ		DRW	/	A*	B*		C*		DRB1		DQB1
			••••		••••		••••		•••		••••	03:AZSD	 35:ARUB		04:ARGY		03:01	•••	
	••••		••••		••••		••••		••		••••	23:AZGU	 44:ARGK	••••	04:ARHA	••••	11:04		

The HLA/DNA data are displayed in the Consensus type table.

#### New HLA typing results:

Net	мH	LA I	typin	ig res	sult	Laborat	tory		··· 🔻 T	yping date	-	-											
A	в	C	:	DR	DQ	DRW	A*		B*	C*	[	DRB1	DQB1	DPB1		DRB3	DRB4	DRB5		DQA1	DPA1		
•••		•••	•••	•••		•••			•••		•••	•••	••	•	•••		•	•	•••		•••		V III A Codes
•••		•••	•••	•••				•••	•••		•••	•••		•	•••	•••			•••		•••	•••	and heat codes

You can enter the confirmatory typing results, select the lab and enter the typing date:

									_						
New	HLA t	ypir	ng res	sult	Laborato	ry		•••• 🔻	Ту	ping date			-		
A B	C		DR	DQ	DRW	A*		B*		C*		DRB1		DQB1	1
•••					•••	03:01	•••	35:01		04:01	•••	03:01			[
	•••				•••	23:01	•••	44:02:01:01	•••	03:04:01:01	•••	11:04			[

Now you can press Propose New Consensus button: it will populate the third row with the best typing results Finally you click on Save Changes to store your Consensus in the upper part of the window.

Save changes:



The system will display the discrepancies, press ignore warnings:

S New HLA t	yping result - Errors and Wa	arnings 🔄 🗖 🗙
New HLA typing result - Error	rs and Warnings	
A You have modified HLA typing resul	ts. Are you sure?	
⚠ Discrepancy: B,, B*35:ARUB,44:Ał	RGK >>> B,, B*35:01,44:02	2:01:01
▲ Discrepancy: C,, C*04:ARGY,04:A	RHA >>> C,, C*04:01,03:04	4:01:01
		0
Do yo	ou want to correct warni	ngs?
Print	✓ <u>C</u> orrect errors	X Ignore warnings

If you validate the entered date, press ignore warnings and the discrepancy will be logged in de window screen:

															-					
										Data typin	g history D	E	BE							X
Α	В	(	C DF	٤	DQ	DRW	A*	B*	C*	DRB1	DRB3	DRB4	DRB5	DQA1	DQB1	DPA1	DPB1	Typing center	User	Тур
																		Typing date	Record Date	
4	44	5	4	7			24:02	44:02	05:01	04:01					03:01			PAST CONSE	UZA TEST	TH
2			11				32:01			11:01								14/03/2017	14/03/2017 12:3	39:06
							24:10												UZA TEST	TH
																		14/03/2017 12:39:06	14/03/2017 12:3	39:06
Disc	crepancy	y: A24	,32, A*2	24:02,	32:01	>>> A,	, A*24:10,													_
4	44	5	4	7			24:02	44:02	05:01	04:01					03:01			CONSENSUS	UZA TEST	TH
2			11				32:01			11:01								14/03/2017	14/03/2017 12:3	39:06
								4	- Reno	et										
u	car	٦p	orint	th	eı	repo	ort:	-												
u	car	n p	orint	th	eı	repo	ort:				Тур	oing	histo	ry						
DU A	саr	r p	DR	th			ort:	B*	C*	DRB1	Typ DRB3	DRB4	histo	ry DQA1	DQB1	DPA1	DPB	1 T center/date	e User/R dat	e T
А	car	n p c	DRI	th	e i	v v	ort: 4* 42 SD 3	B* 5:ARUB	C* 04:ARGY	DRB1 03:01	Typ DRB3	Ding I	histo DRB5	ry DQA1	DQB1	DPA1	DPB	1 T center/date	e User/R dat TC ANS	e 1
р <b>и</b> 	car	c c	DR I	th	e I	v 1 03:/ 23:/	A* Az SD 3 Az GU 4	B* 5:ARUB 4:ARGK	C* 04:ARGY 04:ARHA	DRB1 03:01 11:04	<b>Typ</b> DRB3	D <b>ing</b> DRB4	histo DRB5	<b>ry</b> DQA1	DQB1	DPA1	DPB	1 T center/date 15.12.2017	e User/R dat TC ANS 15.12.2017	e 1
А	саr	r p	DR	th	e I	v / 03:/ 23:/ 03	A* Az SD 3: Az GU 4:	B* 5:ARUB 4:ARGK 35:01	C* 04:ARGY 04:ARHA 04:01	DRB1 03:01 11:04 03:01	Typ DRB3	D <b>ing</b> DRB4	histo DRB5	ry DQA1	DQB1	DPA1	DPB	1 T center/date 15.12.2017	e User/R dat TC ANS 15.12.2017 TC ANS	e 1
А	саr	c p	DR	th	e I	v / 03:/ 23:/ 03	A* AZ SD 3 AZGU 4 :01	B* 5:ARUB 4:ARGK 35:01	C* 04:ARGY 04:ARHA 04:01 03:04:01	DRB1 03:01 11:04 03:01	<b>Typ</b> DRB3	D <b>ing</b> DRB4	histo DRB5	ry DQA1	DQB1	DPA1	DPB	1 T center/date 15.12.2017 15.12.2017	e User/R dat TC ANS 15.12.2017 TC ANS 15.12.2017	e 1
A	саr	r p	DRI			03:/ 23:/ 03 23	A* AZ SD 3 AZGU 4 :01 :01 44	B* 5:ARUB 4:ARGK 35:01 4:02:01:	C* 04:ARGY 04:ARHA 04:01 03:04:01:	DRB1 03:01 11:04 03:01 11:04	<b>Typ</b> DRB3	D <b>ing</b> DRB4	histo DRB5	ry DQA1	DQB1	DPA1	DPB	1 T center/date 15.12.2017 15.12.2017	e User/R dat TC ANS 15.12.2017 TC ANS 15.12.2017	e T
Dis B*C Dis	Car	c	DR 1	th DQ 35:AF		CEPC 03:J 23:A 03 23:A 03 23:A 03 23:A 03 23:A 03 23:A 03 23:A 03 23:A 03 23:A 03 23:A 03 23:A 03 23:A 03:A 23:A 24:A 03:A 24:A 24:A 24:A 24:A 24:A 24:A 24:A 24	A* AZ SD 3: AZGU 4: :01 4: GK >>>  HA >>>	B* 5:ARUB 4:ARGK 35:01 4:02:01: B,, C,,	C* 04:ARGY 04:ARHA 04:01 03:04:01:	DRB1 03:01 11:04 03:01 11:04	<b>Typ</b> DRB3	D <b>ing</b> DRB4	histo DRB5	ry DQA1	DQB1	DPA1	DPB	1 T center/date 15.12.2017 15.12.2017	e User/R dat TC ANS 15.12.2017 TC ANS 15.12.2017	e 1
Dis B*3 Dis C*0	Car B screpa 35:01, screpo 04:01,0	C C	DR 1 B, B*: 2:01:01 C, C* 4:01:01	th DQ 35:AF		CED0 03::/ 23:/ 03 23 23 23 23 23 23 23 23 23 23 23 23 23	A* AZ SD 3: AZ GU 4: :01 4: GK >>> 1 :HA >>> 1	B* 5:ARUB 4:ARGK 35:01 4:02:01: B,, C,, 35:01	C* 04:ARGY 04:ARHA 04:01 03:04:01:	DRB1 03:01 11:04 03:01 11:04	<b>Typ</b> DRB3	D <b>rb4</b>	histo DRB5	ry DQA1	DQB1	DPA1	DPB	1 T center/date 15.12.2017 15.12.2017	e User/R dat TC ANS 15.12.2017 TC ANS 15.12.2017	e T
Dis C*(	Car B screpa 35:01, screpa 04:01,1	c c	DR 1 B., B*: 201:01 C., C* 4:01:01	th DQ 35:AF		V // 03:J: 23:J: 03 23 23 23 23 23 23 23 23 23 23 23 23 23	A* AZ SD 3 AZGU 4 :01 :01 4 GK >>>   HA >>>	B* 5:ARUB 4:ARGK 35:01 4:02:01: 8,, C,, 35:01	C* 04:ARGY 04:ARHA 04:01 03:04:011 04:01	DRB1 03:01 11:04 03:01 11:04	<b>Тур</b> drвз	D <b>ing</b> DRB4	histo DRB5	ry DQA1	DQB1	DPA1	DPB	1 T center/date 15.12.2017 15.12.2017	e User/R dat TC ANS 15.12.2017 TC ANS 15.12.2017 TC ANS	e 1
Dis B*C C*I	Car B screpa 35:01, screpa 04:01,	C C ancy: 44:02 33:0 ancy: 44:02	DR 1 B, B*: 20101 C, C* 401:01 B, B*:	th DQ 35:AF 35:AF		V // 03:J: 23: 44:AR 03 23 23 23 23 23 23 23 23 23 23 23 23 23	A* AZ SD 3: AZGU 4: 01 4: GK >>> 1 (HA >>> 01 4: GK >>> 1 (HA >>>	B* 5:ARUB 4:ARGK 35:01 4:02:01: B,, 35:01 4:02:01: B,,	C* 04:ARGY 04:ARHA 03:04:01 03:04:01: 04:01	DRB1 03:01 11:04 03:01 11:04 03:01 11:04	<b>Тур</b> <sub>DRB3</sub>	DRB4	histo DRB5	ry DQA1	DQB1	DPA1	DPB	1 T center/date 15.12.2017 15.12.2017 15.12.2017	e User/R dat TC ANS 15.12.2017 TC ANS 15.12.2017 TC ANS 15.12.2017	e 1

Press Close to go back to the Consensus screen:

\$											Pre	view		
ا الم الم الم الم الم الم الم الم الم ال				1	1	of 1 🕨		Close						
										Тур	bing	histo	ry	
	Α	В	С	DR	DQ DRW	<b>A</b> *	<b>B</b> *	C*	DRB1	DRB3	DRB4	DRB5	DQA1	D
						03:AZ SD	35:ARUB	04:ARGY	03:01					
						23:AZGU	44:ARGK	04:ARHA	11:04					
						03:01	35:01	04:01	03:01					

You can print the discrepancy typing in the WMDA S70 discrepancy report: Select the validated row :

Data typing history Dł 🔤 🔤 🔤 🔤																			
Α	В	C	DR	DQ	DRW	A*	B*	C*	DRB1	DQB1	DPB1	DRB3	DRB4	DRB5	DQA1	DPA1	Typing center	User	Туре
																	Typing date	Record Date	
						03:AZSD	35:ARUB	04:ARGY	03:01								PAST CONSE	TC ANS	TH
						23:AZGU	44:ARGK	04:ARHA	11:04								15/12/2017	15/12/2017 12:4	2:22
						03:01	35:01	04:01	03:01									TC ANS	TH
						23:01	44:02:01:0	03:04:01:0	11:04								15/12/2017 12:42:	15/12/2017 12:4	2:22
Discrepa Discrepa	ancy: B,, B* ancy: C,, C*	35:ARUB,44 04:ARGY,04	ARGK >>> I ARHA >>>	B,, B*35:01 C,, C*04:0	.44:02:01:0 1,03:04:01:0	1 01													
Discrepa Discrepa	ancy: B,, B* ancy: C., C*	35:ARUB,44 04:ARGY.04	ARGK >>> I ARHA >>>	B,, B*35:01 C., C*04:0	44:02:01:0														

And then press:

Print discrepancies

The following message will be displayed:

		Prepare sh	ow pdf form				
C*	DRB1	DQB1	DPB1	DRB3	DRB4	DRB5	D

Then click on the "Prepare show pdf form":

The S70 WMDA Discrepant typing report will be printed:

			WMDA form	
+ 🎢 Zo t Find	oom 100 •	Close		
Marrow D Program B Registry	onor elgium			Marrow Donor Program Belgium - Registry Motstraat 40 2800 Mechelen 2800, Mechelen +32-15443966 +32-15443856 mdpb-registry@rodekruis.be
S70		DISCREPA	NT TYPING R Page of	EPORT
Registry	donor ID:		Patient ID:	
SECTION	A: Original typing f	from donor center		
SECTION Locus:	A: Original typing f	from donor center Second value:	Date tested: (YYYY-MM-DD)	Testing method:
SECTION Locus: A	A: Original typing f First value: 03:AZSD	from donor center Second value: 23:AZGU	Date tested:           (YYYY-MM-DD)           2017-12-15	Testing method:
SECTION Locus: A B	A: Original typing f First value: 03:AZSD 35:ARUB	from donor center Second value: 23:AZGU 44:ARGK	Date tested: (YYYY-MM-DD)           2017-12-15           2017-12-15	Testing method: DNA-SSP DNA-SSO DNA-SBT Other: DNA-SSP DNA-SSO DNA-SBT Other:
SECTION Locus: A B C	A: Original typing f First value: 03:AZSD 35:ARUB 04:ARGY	from donor center Second value: 23:AZGU 44:ARGK 04:ARHA	Date tested: (YYYY-MM-DD)           2017-12-15           2017-12-15           2017-12-15	Testing method:         DNA-SSP       DNA-SSO       DNA-SBT         Other:       DNA-SSO       DNA-SBT         Other:       DNA-SSO       DNA-SBT         Other:       DNA-SSO       DNA-SBT         Other:       ONA-SSO       DNA-SBT         Other:       DNA-SSO       DNA-SBT         Other:       DNA-SSO       DNA-SBT
SECTION Locus: A B C DRB1	A: Original typing f First value: 03:AZSD 35:ARUB 04:ARGY 03:01	from donor center Second value: 23:AZGU 44:ARGK 04:ARHA 11:04	Date tested: (YYYY-MM-DD)           2017-12-15           2017-12-15           2017-12-15           2017-12-15	Testing method:         DNA-SSP       DNA-SSO       DNA-SBT         Other:       DNA-SSO       DNA-SBT
SECTION Locus: A B C DRB1 DRB3/4/5	A: Original typing f First value: 03:AZSD 35:ARUB 04:ARGY 03:01	from donor center Second value: 23:AZGU 44:ARGK 04:ARHA 11:04	Date tested: (YYYY-MM-DD)           2017-12-15           2017-12-15           2017-12-15           2017-12-15           2017-12-15           2017-12-15	Testing method:         DNA-SSP       DNA-SSO       DNA-SBT         Other:       DNA-SSP       DNA-SSO         DNA-SSP       DNA-SSO       DNA-SBT         Other:       DNA-SSO       DNA-SBT         Other:       DNA-SSO       DNA-SBT         Other:       DNA-SSP       DNA-SSO         DNA-SSP       DNA-SSO       DNA-SBT         Other:       DNA-SSP       DNA-SST         Other:       ONA-SST       ONA-SBT         Other:       ONA-SSO       DNA-SBT         Other:       ONA-SST       ONA-SBT
SECTION Locus: A B C DRB1 DRB3/4/5 DQA1	A: Original typing f First value: 03:AZSD 35:ARUB 04:ARGY 03:01 i	from donor center Second value: 23:AZGU 44:ARGK 04:ARHA 11:04	Date tested: (YYYY-MM-DD)           2017-12-15           2017-12-15           2017-12-15           2017-12-15           2017-12-15           2017-12-15           2017-12-15	Testing method:         DNA-SSP       DNA-SSO       DNA-SBT         Other:       DNA-SSP       DNA-SSO         DNA-SSP       DNA-SSO       DNA-SBT         Other:       DNA-SSP       DNA-SST         Other:       DNA-SSO       DNA-SBT         Other:       DNA-SSP       DNA-SSD
SECTION Locus: A B C DRB1 DRB3/4/5 DQA1 DQB1	A: Original typing f First value: 03:AZSD 35:ARUB 04:ARGY 03:01 6	from donor center Second value: 23:AZGU 44:ARGK 04:ARHA 11:04	Date tested: (YYYY-MM-DD)           2017-12-15           2017-12-15           2017-12-15           2017-12-15           2017-12-15           2017-12-15           2017-12-15           2017-12-15           2017-12-15	Testing method:         DNA-SSP       DNA-SSO       DNA-SBT         Other:       DNA-SSP       DNA-SSD         Other:       DNA-SSD       DNA-SBT         Other:       DNA-SSD       DNA-SBT         Other:       DNA-SSD       DNA-SBT
SECTION Locus: A B C DRB1 DRB3/4/5 DQA1 DQB1 DPA1	A: Original typing f First value: 03:AZSD 35:ARUB 04:ARGY 03:01 6	from donor center Second value: 23:AZGU 44:ARGK 04:ARHA 11:04	Date tested: (YYYY-MM-DD)           2017-12-15           2017-12-15           2017-12-15           2017-12-15           2017-12-15           2017-12-15           2017-12-15           2017-12-15           2017-12-15           2017-12-15           2017-12-15           2017-12-15           2017-12-15	Testing method:         DNA-SSP       DNA-SSO       DNA-SBT         Other:       DNA-SSP       DNA-SSO         DNA-SSP       DNA-SSO       DNA-SBT         Other:       DNA-SSO       DNA-SBT         Other:       DNA-SSP       DNA-SSO         DNA-SSP       DNA-SSO       DNA-SBT         Other:       DNA-SSO       DNA-SBT         Other:       DNA-SSO       DNA-SBT         Other:       DNA-SSO       DNA-SBT

SECTION A (continued): Discrepant typing received from transplant center													
Locus:	First value:	Second value:	Date tested: (YYYY-MM-DD)	Testing method:									
Α	03:01	23:01	2017-12-15	DNA-SSP DNA-SSO DNA-SBT									
в	35:01	44:02:01:01	2017-12-15	DNA-SSP DNA-SSO DNA-SBT									
с	04:01	03:04:01:01	2017-12-15	DNA-SSP DNA-SSO DNA-SBT									
DRB1	03:01	11:04	2017-12-15	DNA-SSP DNA-SSO DNA-SBT									
DRB3/4/5			2017-12-15	DNA-SSP DNA-SSO DNA-SBT									
DQA1			2017-12-15	DNA-SSP DNA-SSO DNA-SBT									
DQB1			2017-12-15	DNA-SSP DNA-SSO DNA-SBT									
DPA1			2017-12-15	DNA-SSP DNA-SSO DNA-SBT									
DPB1			2017-12-15	DNA-SSP DNA-SSO DNA-SBT									

# S70

# DISCREPANT TYPING REPORT

Registry d	onor ID:		Patient ID:	
SECTION I	3: Donor center ve	rification test results		
Locus:	First value:	Second value:	Date tested: (YYYY-MM-DD)	Testing method:
Α	03:01	23:01	2017-12-15	DNA-SSP DNA-SSO DNA-SBT
В	35:01	44:02:01:01	2017-12-15	DNA-SSP DNA-SSO DNA-SBT
с	04:01	03:04:01:01	2017-12-15	DNA-SSP DNA-SSO DNA-SBT
DRB1	03:01	11:04	2017-12-15	DNA-SSP DNA-SSO DNA-SBT
DRB3/4/5			2017-12-15	DNA-SSP DNA-SSO DNA-SBT
DQA1			2017-12-15	DNA-SSP DNA-SSO DNA-SBT
DQB1			2017-12-15	DNA-SSP DNA-SSO DNA-SBT
DPA1			2017-12-15	DNA-SSP DNA-SSO DNA-SBT
DPB1			2017-12-15	DNA-SSP DNA-SSO DNA-SBT
The res	ult has not been res	olved and should be re	eferred to a 3 <sup>rd</sup> party	reference laboratory.

The discrepant typing result has been resolved as:													
	Donor center error	Transplant center error											
Clerical error:													
Technical error:													

	Donor center error	ansplant center error
Clerical error:		
Technical error:		
Donor center representative:	Date: (YYYY-MM-DD)	Donor center signature:
Donor center representative.	,	

It is also possible to export the discrepancy to a Excel file:

Export to	o Excel		
<b>4</b> 2011	🛄 👼	L	-
File name:	Discrepancy	~	- 1
Save as type:	Excel files	~	
Hide Folders	Save	Cancel	
New HLA	typing result Laboratory Typing date		_

In the **EMDIS search results**, when you select the line of the requested sample request you can check in the **SAMPLE RES** field the date when the discrepancy has been entered:

Update	Last REQ	Note	HUB	ID	State	Туре	Sex	DOB	Match Grade ABDR	Match Grade	Match Grade Integer	A.1 [24:02]	A.2 [32:01]	B.1 [44:02]	B.2	DR.1 [04:01]	DR.2 [11:01]	DQ.1 [03:01]	DQB1.2	Sample res.	
	TYP_REC	8	BE	BEN	AV	MD	F	1979	5/6 Antigen Match	5/10	8322	24	11	44		04:01	11:01	02:06	02:06		
	SMP_RE	1	BE	BE	AV	MD	F	1961	5/6 Antigen Match	9/10	8322	28	32	44		4	11				Т
	SMP_RE		DE	DEI	AV	MD	м	1960	6/6 Allele Match	10/10	1	24:02	32:01	44:02		04:01	11:01	03:01			Т
	SMP_RE		DE	DEA	DE	MD	м	1958	5/6 Antigen Match	9/10	9217	24:02	32:01	44:02	50:XX	04:01	11:01	03:01		14.03.2017	
																					Т

2 :04]	DQ.1 [02:01]	DQ.2 [03:01]	Tag	Sample res.
4				15.12.2017
IUJ				
4	02:EAN	03:JEAW		
4	02:EAN	03:JEAW		

When you select this donor line and then double click:

Drag a column he		e to group by th										L		1	BET	RAANS1	A 03:0 23:0	1 B39	5:01 C	04:XX	DRB1 03: 11-	01 DC 04	3B1 02:01 03:01	DPB	1
Record Update	Donor Updat	Last REQ	Note	HU S B	D	L.	Stat e	Туре	Sex	DOB	YOB	Match Grade ABDR	Match Grade	A.1 [03:01]	A.2 [23:01]	B.1 [35:01]	B.2 [44:03]	C.1 [04:XX]	C.2	DR.1 [03:01]	DR.2 [11:04]	DQ.1 [02:01]	DQ.2 [03:01]	Tag	Sample res.
1 22/05/2013	Upd	SMP_REQ 6		DE	DEI		RS	MD	м	1973-06-11	1973	6/6 Antig.Match - Allele MM	8/10	03:01	23:01	35:01	44:02:0	04:01	03:04:0	03:01	11:04				15.12.2017
17/04/2013	New			DE	DEI		AV	MD	F	1968-10-12	1968	5/6 Antigen Match	9/10	03:XX	23:XX	15:XX	44:XX			03:VCM	11:UUJ				
23/04/2013	Hnd	1 1		DF	DFI		AV	MD	F	1979-05-03	1979	5/6 Antigen Match	9/10	03-BYSB	23-87AH	35-BF7>	44-03	∩4·KRG	<b>N4</b> ·KRG	07-01-0	11-04	ft2-FAN	IR3.IFAW		

The old and new values will be displayed:

Ut	odate	Updat				R		е								
Ξ	22/05/2013	Upd	SMP_REQ 6			DE	DE	RS	MD	М	1973-06-11	1973	6/6 Antig.⊮			
	Date	⊽ Data	a Item	Δ	Old	Value				New V	alue					
	22/05/2013	DNA	A1		03:A2	ZSD				03:01						
	22/05/2013	DNA	A2		23:A2	ZGU				23:01						
	22/05/2013	DNA	·B1		35:AI	RUB				35:01						
	22/05/2013	DNA	·B2		44:AI	RGK				44:02:01:01						
	22/05/2013	DNA	·C1		04:AI	RGY				04:01						
	22/05/2013	DNA	·C2		04:Al	RHA				03:04:01	1:01					
	22/05/2013	DPA1	11													
	22/05/2013	DPA1	12													
	22/05/2013	DPB1	11													
	22/05/2013	DPB1	12													
	22/05/2013	DQA	11													
	22/05/2013	DQA	12													
	22/05/2013	DQB	11													
	22/05/2013	DQB	12													
	22/05/2013	DRB	31													
	22/05/2013	DRB	32					 								
	22/05/2013	DRB	41													
	22/05/2013	DRB	42													
	22/05/2013	DRB!	51													
	22/05/2013	DRB!	52													
	22/05/2013	HLA:	A1													
	22/05/2013	HLA <sub>5</sub>	A2													
	22/05/2013	HLA-	B1													
	22/05/2013	HLA-	B2													
	22/05/2013	HLA-	C1													
	22/05/2013	HLA-	C2													
	22/05/2013	HLA-	DQ1													
	22/05/2013	HLA-	DQ2													

This information is for your own reporting purposes and will not be sent to the other Registry.

#### IV.III.1.f. Donor – Details

Patient Summary of Donors List of Donors Donor - Details

Clicking on Donor – details displays all detailed donor data.

Save to file makes possible to save the text into the text file.

The button Copy to clipboard will copy the content of the message to Windows clipboard.

#### IV.III.2. Watching search results change

It is also possible to set the watch service active in each Registry: its value influences the information rate. The system can be overloaded by the incoming updates and a lot of new messages containing insignificant changes.

Watch can be set in the HUB select screen:

	_				
<b>.</b>	Select	HUB	State	Watch	Search result
		ALL	?		
		BE	Preliminary Search		
		AT	?		
		AU	?		
		SE	?		
		СН	?		
		cz	?		
		DE	?		
		ES	?		
		FR	?		

The meaning of the values of the attribute Watch is the following:

- If the Watch is ticked: all messages are going to EMDIS new.
- If the Watch is not ticked: specific messages will go directly to the old EMDIS messages.
   Search results, search result updates, change patient status, ...

#### **IV.III.3. Alternative match list request**

This option can be considered as an extension to the Preliminary request. The result is an alternative match list with fully matched donors with regards to the alternative phenotype: it is providing a mechanism to obtain mismatched donors for the patient, it also provides cord blood units with up to the 2 major antigen mismatches (as usual) with regards to the phenotype given. This option will not go to into the repeat search process. It is a temporary action, the patient's typing will not be changed. (useful option when it is difficult to receive the donor by the normal search option).



Select the "Register patient with alternative phenotype" option, the following screen will be offered:

Kennes: Alternative Matchlist request						
HUB: ?						
Patient identification : BE						
Patient HLA-A, 1st antigen		Patient DNA-A, 1st allele	•••			
Patient HLA-A, 2nd antigen		Patient DNA-A, 2nd allele	•••			
Patient HLA-B, 1st antigen		Patient DNA-B, 1st allele	•••			
Patient HLA-B, 2nd antigen		Patient DNA-B, 2nd allele	•••			
Patient HLA-DR, 1st antigen		Patient DNA-DRB1, 1st allele	•••			
Patient HLA-DR, 2nd antigen		Patient DNA-DRB1, 2nd allele	•••			
Max. number of AB typed m Max. number of ABDR typed ma Max. number of cor	arrow donors 20 arrow donors 20 d blood units 20					
		В∕ ок	Cancel			

Enter the Hub from which you wish to receive the mismatched donor, enter HLA typing of the patient with the alternative phenotype and press ok. You will receive the mismatched donors by EMDIS.

# **IV.IV. EMDIS request and results (EMDIS donors – Belgian donors)**

When the patient has been set to **active status** it is possible to activate further requests: Go to the menu "EMDIS request" to open the selection screen: EMDIS donors as well as Belgian donors can be activated.

# **IV.IV.1.Typing request**

Select the patient record and then click the "EMDIS request" button:





It is also possible to activate a typing request through the EMDIS search results consultation:

Edit	EMDIS Status	EMDIS     Patient     Update	EMDIS Search Results	EMDIS Request Result	FAX Req.	Search کې	Rep.	×

Click on the donor to be requested, and then "typing request":

E	atient 🔤	<u>à</u> ummary	of Donors	List of <u>D</u> or	nors	)onor - Deta	ils											
	📑 So	rting	Multiple Allele Codes	炎 Report	R.	Show/Hide Report Maker	G C	Custom Report		Req	oing uest	Sample Request Request	t				×	:
		umn head			ımn	BE Test Friday	,			T B	C Etra	A 01:02 B 07:12 VUB1	C 01:XX	<b>DRB1</b> 01 01	1:04 D 1:05	QB1		2
	Msg	Donor Updat	Validity	Record Update ⊽	HU B △	ID		State	Туре	Sex	DOB	Match Grade	A.1 [01:02]	A.2	B.1 [07:12]	B.2	C.1 [01:XX]	eport n
Γ	DId	New	Latest	13/12/2012	BE			AV	MD	М	1965	6/6 Antig.Match - Allele MM	01:01N		07:23		01:08	] ak
	DId	New	Latest	13/12/2012	BE			AV	MD	М	1961	5/6 Antigen Match	1	1	7	7		<u> </u>
	Old	New	Latest	13/12/2012	BE			AV	CB	F	1994	4/6 Antigen Match	1	2	7	35		
	Old	New	Latest	13/12/2012	BE			AV	CB	F	2001	4/6 Antigen Match	01:XX	02:XX	07:02	37:01		
	DId	New	Latest	13/12/2012	BE			AV	CB	F	2005	4/6 Antigen Match	01:XX		37:XX	40:XX		
	Old	New	Latest	13/12/2012	BE			AV	CB	F	2008	4/6 Antigen Match	01:XX		08:XX	35:XX		
	Old	New	Latest	13/12/2012	BE			AV	CB	F	2000	4/6 Antigen Match	1	3	7			
	DId	New	Latest	13/12/2012	BE			AV	CB	F	1997	4/6 Antigen Match	01:01	24:XX	07:02			
	Old	New	Latest	13/12/2012	BE			AV	CB	F	2011	4/6 Antigen Match	01:XX		07:XX	08:XX		
Γ	DId	New	Latest	13/12/2012	BE	_		AV	CB	F	2004	4/6 Antigen Match	01:XX		07:XX	08:XX		1
Ľ	DId	New	Latest	13/12/2012	BE			AV	CB	F	2004	4/6 Antigen Match	01:XX		07:XX	08:XX		
	DIO	New	Latest	13/12/2012	BE			AV	CB	F	1998	4/6 Antigen Match	1	1	7	8		
Γ	DId	New	Latest	13/12/2012	BE			AV	MD	F	1953	4/4 AB Antigen Match	1		7			

The following screen will be opened: (when starting from the search results menu, the donor identification and institution paying will be prefilled:

Test: Typing request					ОК	Esc
HUB	<b>BE</b>	HLA-A		•		
Donor identification	?		, 	-		
	Conly selected	IDs III.A.C				
Patient identification	BEt	ILA-C		·		
Request date	13.12.2012	▼ HLA-DRB1	· · · ·			
Institution paying	BEMDP-B	HLA-DRB3				
Urgent	? ▼	HLA-DRB4	· ·			
Acknowledgement	no 🗸	HLA-DRB5	-			
		DNA-DQA1	•			
		DNA-DQB1	-			
		DNA-DPA1	-			
		DNA-DPB1	•			
Remark ?						
			<b>√</b> 0K	X Cancel	?	F1
HUB:		HUB of selected donor;				
Donor identificatio	n:	Select the required donor ider	ntification			
Patient identification	on:	prefilled;				
Request date:		date of today;				
Institution paying:		international donor: BEMDP-E	3 default value;			
Urgent:		indicate yes if needed;				
Acknowledgemen	t:	asking for confirmation of the	message from the c	other HUB.		
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Select the typing	you wish to request a	and press <b>ok</b> to validate the typing request:
HLA-A	DNA High	•
HLA-B	DNA High	
HLA-C	DNA High	•
HLA-DRB1	•	
HLA-DRB3	•	
HLA-DRB4	<b>•</b>	
HLA-DRB5	•	
DNA-DQA1	<b>•</b>	
DNA-DQB1	•	
DNA-DPA1	•	
DNA-DPB1	•	

If you are sure to send the message, press yes and the message will be stored for processing.

🌖 The n	essage has following errors and warnings	No. 1 10	
<b>A</b>	Message will be sent		
	ressage will be sent.		
Dover	want to correct warning?		
DO YOU	want to correct warnings?		
		× Send	<ul> <li>Correct</li> </ul>

Press send to send the request. The following message will be displayed:

M	EMDIS	
r r	The message TYP_REQ was stored in the queue of outgoing messages.	
r r	<u>0</u> K	

The reply to this typing request can be:

- **Typing result** (positive reply);
- Donor status change (donor is unavailable, negative reply);
- Message denied (the rejection of the request, negative reply) with additional reasons;
- Service cannot be done (the request received, but negative reply).

Prometheus does not allow to activate 2 typing requests for a couple donor-patient in one day to prevent mistakes. Therefore you have to cancel the old request and create a new one, when the first request has already been sent.

#### IV.IV.2.Sample request

The sample request consists of 3 screens:

Donant: Sample request	ок	Esc
Donor HUB SX Donor identification SX D Patient identification: BE Only selected IDs		
Request date 08.08.2012 - Urgent no - Acknowledgement no -		
Institution paying BEMDP-B		
Earliest date of sample reception 09.08.2012		
Latest date of sample reception 20.08.2012		
Institution the sample has to be sent to BELABHILA1		
Remark		
V OK X Car	icel 💡	F1
PageDown = next page	1	/3 I►

#### Screen 1/3

Earliest date of sample reception: these fields represent the lower and upper limit of a period of time in which the blood sample has to be received.

If the second date is missing, the sample may be received any time after the first date.

Only one sample request can be open for a patient/donor pair. The user should thus not send a second sample request for the couple of patient/donor.

#### Screen 2/3

: Sample request	ОК	Esc
Eirst product required ?		
First product required		
Number of tubes for the first product		
Second product required ?		
Second product quantity per tube		
Number of tubes for the second product		
Third product required ?		
Third product quantity per tube		
Number of tubes for the third product		
Fourth product required 🛛 ?		
Fourth product quantity per tube		
Number of tubes for the fourth product		
	] [	
V OK X Cance	'] <b>[_?</b>	F1
PageUp = previous page PageDown = next page	2	/3 ►

The quantity for the first product is optional when requesting DNA from a cord blood unit. In all other requests, the quantity fields are required.

Sample request	
First product required	? •
	0 ?
First product quantity per tube	1 EDTA
	2 ACD
Number of tubes for the first product	3 CPD
Second product required	4 HEPARIN
Second product required	5 CLOTTED
Second product quantity per tube	6 DNA

In the 3/3 screen, the available days for reception of sample requests are offered for selection.

Preset is yes from Monday to Friday, but not in the weekends.
Sample reques	it	ок	Esc
Weekdays acc	eptable for reception		
Monday	yes -		
Tuesday	yes -		
Wednesday	yes -		
Thursday	yes -		
Friday	yes -		
Saturday	no v		
Sunday	no v		
	V OK 🗶 Cancel	?	F1
PageUp = previous page			
		•	•

The reply to this blood sample request can be:

- Blood sample arrival date (positive reply);
- **IDM results** (positive reply);
- Donor status change (donor is unavailable, negative reply);
- Message denied (the rejection of the request, negative reply) with additional reasons;
- Service cannot be done (the request received, but negative reply).

# IV.IV.3. Infectious Disease Marker (IDM) request

The infectious Disease Marker (IDM) request consists of 2 screens:

Test: Infectious disease	marker request	ок	Esc
HUB Donor identification Request date Institution paying Acknowledgement Remark	BE         Patient identification:     I.a.     I.a.     BEMDP-B         No		
	✓ OK     X Cancel       PageDown = next page	<b>?</b> 1. ◀	F1 / 2 ►
HUB:	HUB identification		
Donor identificatio	n: please select the donor you received via the donor search result	ts	
Request date:	is date of today		
Institution paying:	BEMDP-B is prefilled value		

Acknowledgment: if you wish to receive confirmation from the receiving HUB

On the second screen the requested infectious disease markers can be selected.

Test: Infectious disease marker	request				ОК	Esc
Infectio	us disease	e markers requested				
Blood group and rhesus	yes -	Antibody to Hepatitis B surface antigen	yes •			
CMV status	yes .	Antibody to Hepatitis B core antigen	yes -			
Toxoplasmosis	yes -	Antibody to Hepatitis C virus	yes -			
EBV	yes -	Lues status (Treponema pallidum)	yes •			
HIV status	yes -	ALT status	yes •			
HIV P24	yes -	Antibody to HTLV1.V2	yes •			
Hepatitis B surface antigen	yes .					
				V OK X Cancel	?	F1
PageUp = previous page					2	/2

The results of the IDM test will be reported via the IDM result message.

- **IDM res** (positive reply);
- The results cannot be delivered (donor is unavailable, negative reply);
- Message denied (the rejection of the request, negative reply) with additional reasons;
- Service cannot be done (the request received, but negative reply).

#### NOTE:

All messages are linked to each other: this means that a request is always linked to one answer.

Therefore it is not possible to accumulate different requests into one answer. If a request to a marker is redundant, the message will automatically be rejected.

Prometheus does not allow to create 2 IDM messages for a couple donor-patient in one day to prevent mistakes. Therefore you have to cancel the old request and create a new one, when the first request has already been sent.

It is recommended that all markers required should be requested within one message.

#### **IV.IV.4.** Donor reservation request

The following screen will be displayed:

Test: Donor reservation request		ОК	Esc
HUB BE Donor identification ? Conly selected ID Request date 13 Date expiration of reservation Acknowledgement no	Patient identification: BE		
Remark			
	✓ OK X Cancel	?	F1
HUB:	HUB country code		
Donor identification:	select the donor you wish to reserve.		
Request date:	date of today.		
Date of expiration of reservation:	select the date of expiration.		
	But you have to take into account that the EMDIS courdifferent reservation rules applicable.	tries	have
Acknowledgement:	if you wish confirmation from the receiving HUB		

The answer to a donor reservation request:

Result of donor reservation (positive reply); •

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- If the reservation was not successful, an additional message will be sent: Donor status change will explain the reasons;
- **Message denied** (the rejection of the request, negative reply) with additional reasons.

### IV.IV.5. CBU report request

The following screen will be displayed:

Test: Cord blood unit report re	quest OK Esc
HUB Donor identification	BE Patient identification:
Email address	mdpb-registry@rodekruis.be
Fax Number	015 44 36 56
Preferred sending method	? (E = Email, F = Fax)
Acknowledgement	no v
	✓ OK X Cancel ? F1
HUB:	HUB country code.
Donor identification:	select the CBU from which you want to receive a unit report.
Email address:	default e-mail address MDPB-Registry. The requested unit report
	will be sent to MDPB-Registry and the search coordinators wil
	forward it to the requesting TC.
Fax number:	default fax number MDPB-Registry.
Preferred sending metho	d: selection between e-mail and fax.
Acknowledgement:	if you wish a confirmation message from the receiving HUB.

The answer to a cord blood unit report request: the unit report request will be sent by mail through the Registry.

## **IV.IV.6. Cancellation of request**

The following screen will be displayed: select the activation you wish to cancel.

👰 Select cate;	gory of request	
Number	Description	
5	Typing request	
7	Sample request	
10	IDM request	
12	Donor reserv. request	

When you select "Cancellation of a typing request", the active typing requests will be displayed in the following screen:

n Select r	equest message		
Message	Donor ID	HUB	Request date
12733	DEDKM	DE	29.12.2009
12735	DEDKM	DE	29.12.2009
12739	DEDKM	DE	29.12.2009

The following screen will be displayed:

JANSSENS, Typing requ	est: Cancellation of a request	ОК	Esc
HUB: Donor identification:	DE :		
Request date:	29.12.2009		
Type of request:	ТҮР		
Reason of request cancel	liation		
?			
,—			
Barrada (B			
Remark  ?			
	V OK X Cance	4 ?	' F1
		1	71

Select the reason of cancellation and press OK to confirm you cancellation.

The procedure is similar for a cancellation of a sample, IDM and donor reservation request. Press "yes" to send the message:

EMDIS	×
?	Are you sure you want to send the message?
	<u>Y</u> es <u>N</u> o

The message REQ\_CAN will be stored in the queue of outgoing messages.

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If the status of a patient is suspended, the active requests are not cancelled automatically, if the active requests are no longer needed, they have to be cancelled via the "Cancel of the request" option.

If the status of patient is changed to STP, all requests are automatically cancelled.

#### IV.IV.7. Text message

The text message contains the identifier of the patient and of the donor. It is suitable e.g. as the commentary on an action for the couple patient-donor.

This option enables to transmit free text messages: it serves as a comment function for a certain patient-donor pair to be directly included .For other communication standard email should be used.

JANSSENS - Text m	essage	ОК	Esc
HUB Donor identification Date sent Text (1/2)	<pre>Patient identification: Only selected IDs 06.07.2012 </pre>		
	PageDown = next page	?	F1 /2

#### IV.IV.8. Message acknowledgement

The quick explicit confirmation by the receiving HUB can be requested via the message acknowledgment option. This option is offered in several EMDIS messages. When message acknowledgement has been selected, the receiving Registry will send back a confirmation immediately after receiving the request.

#### **IV.IV.9. EMDIS result: result of sample testing**

Use this section of the program to transfer the confirmatory typing results to the Donor Center and to inform the Donor Center that you are still interested in the donor.

After selecting the patient, go to EMDIS result|Result of sample testing:



A window screen with the activated sample requests will be displayed: select the donor ID of the sample for which you wish to enter confirmatory typing results:

	Validated (HL					
8		Select request message				
Message		GRID	HUB	Request date		
96218	BE277890D	4201 0000 0002 7789 020	BE	14.03.2019		

#### IV.IV.9.1. Entering confirmatory typing results:

The following screen will be displayed:

	Patient tools		ганени у	Valioalion	
		Sample typ	ing resu	It	
HUB:	BE		DNA valu	Jes :	
Donor identification :	14.02.2010		A:	•••	
Reference code :	96218BE1				
Donor still of interest :			В:	····	
Remark :			c:	•••	
			DRB1:		
HLA values :			DRB3 :	•••	···
Δ.	···				
			DRB4:		
В:	•••	•••	DRB5 ·		
<i>c</i> .			211221		
·			DQA:	•••	•••
DR:	•••	•••			
<b>DO</b> .			DGR:		
νς:			DPA:	•••	
			DDP .		
Enter validation dat	ta Validate data	a Reenter primary data			
					X Cancel

Sample typing re	esult			
HUB :	DE	DNA values :		
Donor identification : Request date :	18.04.2008	A :	•••	
Reference code :		в:		
Donor still of interest :	•			
Remark :		C:		•••
		DRB1 :	•••	•••
HLA values :		DRB3 :	•••	
A :		DRB4 :	•••	
в:		DRB5 :	•••	
C:		DQA :	•••	
DR :		DQB :		
DQ:		DPA :	•••	•••
Enter validation dat	a Validate data Reenter prim	ary data DPB :	•••	
? F1			×	Cancel By OK

(HUB code of donor Registry - donor identification - request date and reference code of the message are pre-filled)

Indicate if you are interested in the donor (decision for reservation will follow): it is possible to add a comment.

HUB :	DE	
Donor identification :		
Request date :	18.04.2008	
Reference code :	KUL	
Donor still of interest :	<b>•</b>	
Remark :	no	
	yes	

Enter the confirmatory sample typing result (DNA values):

ample typing result	1				
HUB: DE		<u>DNA val</u>	ues :		
Donor identification : Request date : 18.0	14.2008	Α:	01:01	02:01	•••
Reference code : KUL		в:	49:01	51:01	
Donor still of interest : yes	•				
Remark :		С:	02:02	07:01	
		DRB1:	11:01 ···		
HLA values :		DRB3 :			
A :		DRB4 :			
в:	· · · · · · · · · · · · · · · · · · ·	DRB5 :			•••
C:		DQA :			•••
DR :		DQB :	03:01		
DQ:		DPA :			
Enter validation data	Validate data Reenter primary data	DPB :			
? F1		_		X Cancel	💱 ок

Press "enter validation data" to validate the entered typing results:

The following screen will be opened:

1	Sample typing resu	ılt						
	HUB : DE Donor identification : Request date : 18	.04.2008		<u>DNA val</u> A :	lues :	•	*****	
1	Donor still of interest : ye	s <b>v</b>		В:	*****	•		
I	Remark :			С:	*****	•		•••
				DRB1:	*****	. [		
	HLA values :			DRB3:		- - [		
	A :		•••	DRB4 :		. [		
	B:		•••	DRB5:		. [		
	c:		•••	DQA :				
	DR:			DOB ·		·) ·		
	DQ:			DPA :		•] L [		
				DDR -		•		
	Enter validation data	Validate data	Reenter primary da	а		•		•••
	<b>?</b> F1					X	Cancel	💱 ок

Sample typing result		
HUB : <b>DE</b>	<u>DNA va</u>	<u>lues :</u>
Request date : 18.04.2008	Α:	01:01 02:01
Reference code : KUL	В:	49:01 51:01
Remark :	С:	02:02 07:01
	DRB1:	11:01
HLA values :	DRB3 :	
	DRB4 :	
	DRB5:	
	DQA :	
	DQB :	03:01
	DPA :	
Enter validation data Validate data Reenter primary data	DPB :	
? F1		Cancel

#### Press "validate data":

Sample typing result		
HUB : DE	<u>DNA va</u>	ilues :
Request date : 18.04.2008	Α:	01:01 01:01 02:01 
Reference code : KUL	В:	49:04 51:04
Donor still of interest : yes 👻		
Remark :	C:	02:02 07:01
	DRB1:	11:04 11:01 ···
HLA values :	DRB3 :	
	DRB4:	
	DRB5 :	
	DQA :	
	DQB :	03: <mark>03:01</mark>
	DPA :	
Enter validation data Validate data Reenter primary dat	DPB :	
? F1		Cancel

The correct validated fields will be highlighted in green, press OK to end the validation:

the SMP\_RES message will be stored in the queue of outgoing messages until the next processing session:



If a typing has not been re-entered correctly, the field will be highlighted in red:

Sample typing result	
HUB : DE	DNA values :
Request date : 05.05.2008	A : 01:01 02:04 01:01
Reference code : KULI	B: 49:04 49:04 
Remark :	C: 02:02:02 07:04
	DRB1: 11:01
HLA values :	
	DRB4:
	DRB5 :
	DQA:
	DQB: 03:03:01
	DPA :
Enter validation data Validate data Reenter primary dat	
? F1	Cancel 🖳 OK

Press re-enter primary data correct the error and then press **OK** if all fields are validated and highlighted in green.

#### **IV.IV.9.2.** Missing Confirmatory Typing results:

When it is however impossible to report the confirmatory typing results, you must open the message "sample request" and then select **"no result"**:

Save to file <u>C</u> opy to clipboard						
🖨 Print message	🖓 Sa	mple testing result 🛛 🗋	No result	🛛 Deny request	New text message	<ul> <li>Image: A start of the start of</li></ul>
1 Update donor	😰 WMDA report	2	Reminder	🔀 Cancel request	🔥 New warning	?

Enter the reason why the service cannot be performed:

HUB:	US			-
Patient identification:		👰 Reas	son why service cannot be performed	) ×
Donor identification:		Num	ID Name	
Request date: Reference code: Type of request: Reason ? Remark [ 	03.09.2010 KUL() BLS	0 ? 1 BC 2 FM 3 LA 4 NS 5 OL 6 PD 7 ST 8 TR 9 OT	CC Clinical condition of patient deteriorated (i ND Other / better donor found AB Laboratory problem / Typing failed / Not enou SP No sample received LD Sample too old DC Patient deceased before request was completed TP Search stopped RX Patient already transplanted TH Other reason	.e.R ghsa
		Select item	m by cursor move and kev Enter	ŀ
And press 🚺 to cor	ıfirm.			

#### IV.IV.9.3. Update confirmatory typing results

If you want to update the confirmatory typing results, after selecting **Sample testing result**, Prometheus will give an alert that the request has already a result. "Are you sure you want to create another one":

EMDIS	×	
	Request already has a result. Are you sure you want to create another one?	
	Yes <u>N</u> o <u>C</u> ancel	2

After pressing "yes", an empty sample typing result screen will be opened for data entry, with the same validation flow as explained under point a.

If you want to check the previous reported results, you must first open the old "sample testing result" message.

#### IV.IV.9.4. Discrepant typing results:

When the Transplant Center finds discrepancies when performing the verification typing tests, the discrepancy must be reported using the "MDPB004 discrepant typing v2 2011". The Transplant Center finding the discrepant type must complete section A, the Donor Center must complete section B and return via the Registry to the Transplant Center specifying the type of error: clerical error or technical error. The Registry must report confirmatory typing results to WMDA annually.

# **IV.V. EMDIS MESSAGES**

#### IV.V.1.Status of messages

The status of the message can be consulted in the status field:

	rœl S ₽₹	how atient T EMDIS	sults	Show Message	Report 🔻	🖹 Check 🛛 🔁 Up	date able
	🗄 OK 💌	Patient's name 🔹 💌	HUB 💌	Category 💌	Date 💌	Status 🛛 🗸 💌	Donor
I	V	Last Name First Name	SX	Preliminary request	02.07.2012	Prepared to send	

The different options:

- Prepared to send: the message has not yet been sent, will be sent with next processing session
- Sent: the message has been sent
- **Received:** message received
- **Prep. to send, canc.**: the message was cancelled before being sent
- Sent, cancelled: the message has been sent, but cancelled afterwards
- Received, cancelled: the message has been received, but cancelled later by the sender
- **Received,not proc**: received search request but the system has not yet done a search. This is a very temporary state.
- Received, denied: a formal message denial because breaking EMDIS rules

#### IV.V.2.New and old messages - requests without answers

The button EMDIS new will display all new messages:

Requests without answer - pending requests (typing - blood sample - IDM requests).



#### New - all recently received or sent messages



Old – messages marked by the user as processed will be listed under the EMDIS – old section



It is possible to use the filter to add some conditions to the messages you want to display. You can limit e.g. the date range (date from a date to....) and make a selection of message type:

Old EMDIS messages				
Change	HUBs: Dates: Categories: Statuses:	ALL from 03.07.2012 to 09.07.2012		

EMDIS log. messages filter	ок	Esc
HUB selection ALL Date from 03.07.2012 - to 09.07.2012 -		
<ul> <li>Preliminary request</li> <li>Change patient status</li> <li>Patient update</li> <li>Search result</li> <li>Typing request</li> <li>Result of typing</li> <li>Sample request</li> <li>Sample request</li> <li>Sample testing result</li> <li>IDM request</li> <li>Result of IDM req.</li> <li>Donor reserv. result</li> <li>Workup request</li> <li>Donor workup status</li> <li>Search result</li> <li>Typing request</li> <li>Search result</li> <li>Search resul</li></ul>		
✓ OK X Cancel	?	F1 71

NOTE: the first time you login you have to set your column settings (Requests without answer, Emdis – new, Emdis – old), the following screen will be displayed:

Search EMDIS Service Help			
Select patient V New donor V	ew patient 👻	T : BETRAVUB1	
New EMDIS messages			
Patient The Patient Patient Patient Patient Patient Patient	Show Message Report V	heck 🔁 Update Table	

, the "**OK**" option is mandatory to be able to

Click on II and the list of available columns will be opened :





The following selection is recommended: Details

set new  $\ensuremath{\mathsf{EMDIS}}$  messages to the old messages section.

#### New in version 184:

Donor Pa	atient Search	EMDIS	Service H	elp								۵
New Old messages messages	Requests s w/o answers	Reports	💥 Analytic tool f	ör outgoing typing	requests	💥 Analytic	tool for outgoing	g sample	requests			
EMDIS	Commands				EMDI	S Tools						
New EMDIS me	ssages											
Bratient	EMDIS Search Res	ults	Show Message	Report	•	Check	🔁 Update Table				# 69 69	Rows T
🗄 OK 🗵 Patient's name	V HUB V	Category	🗵 Date	🗵 Status		Donor	🗵 Donor	typ⊡ TC	Ŷ	Details		-
							ĺ				×	:
									Restor Store ( Delete	e user set iser settir user sett	ttings ngs ings	
									Store a	is default e default		
									Fit wic	th colum	nns	

You can the settings you selected by clicking on "Store user settings".

New in version 185:	
New EMDIS messages	
🕬 ShowPatient 🔹 🖺 EMDISSearch Results 🚳 ShowMessage 🚳 Report 🔹 🖄 Check 🔹 🥏 UpdateTable 🛛 # Row count: 157	
Image: Second	Ŷ
Select Report:	
🔊 ShowPatient 🕆 📋 EMDISSearch Results 🔹 ShowMessage 💣 Report 🔹 🗟 Check 🔹 🕏 UpdateTable 🛛 # Row count: 157	
Stock	
Export	
Export to format	
Excel	
O XML	

And then press Exp

Export

•

Export and

close

Export records All columns Selected row Parameters of text export Field separator :



	Information
0	Export file written to: H:\Export messages.XLS
	ОК

The EMDIS messages will be exported to an Excel file:

Patient's name	HUB	Category	Date	Status
Liesbet 2 Test	BE	Search result upd.(!)	25/09/2018	Received
Liesbet 1 Test	BE	Result reminder	24/09/2018	Sent
Liesbet 2 Test	BE	Text message	24/09/2018	Message
Liesbet 2 Test	BE	Result of IDM req.	24/09/2018	Received
Liesbet 2 Test	BE	IDM request	24/09/2018	Sent
Liesbet 2 Test	BE	Sample arrival date	24/09/2018	Received
Liesbet 2 Test	BE	Typing request	24/09/2018	Sent
Liesbet 2 Test	BE	Sample request	24/09/2018	Sent
Liesbet 1 Test	BE	Result of typing	24/09/2018	Received
Liesbet 1 Test	BE	Sample request	24/09/2018	Sent
Liesbet 1 Test	BE	CBU report request	24/09/2018	Sent
Liesbet 1 Test	BE	Typing request	24/09/2018	Sent
Liesbet 3 Test	BE	Search result	24/09/2018	Received
Liesbet 2 Test	BE	Search result	21/09/2018	Received
Liesbet 1 Test	BE	Search result	21/09/2018	Received



#### The messages will be displayed

 				Ň	ew EMDIS n	nessages			
ОК	Patient's name	HUB	Category	Date	Status	Donor	Donor type	TC	Details
	Liesbet 2 Test	BE	Search result upd.(!)	25/09/2018	Received		?	BETRAUZA1	Count 1; MG 10/10

And can be printed:



# IV.V.3. Window panel EMDIS messages

Patient BE									
Edit C Ed									
Patient Record EMDIS mes	sages	47] Attached Files	[0] Patier	nt Notes [-]					
Show Message Report V 2Update table									
OK 🛛 Patient's name	HUB 🗹	Category 🛛	Date 🛛	Status 🖾	Donor	🖾 L	c 🛽	Details 🛛	
	SX	Alternative phenot.	13/12/2012	Sent		B	ETRAVUB1		
	HB	Sample testing result	13/12/2012	Sent		В	ETRAVUB1		
	HB	Sample request	13/12/2012	Sent		В	ETRAVUB1		
	BE	Patient update	13/12/2012	Sent		BI	ETRAVUB1		
	HB	Typing request	13/12/2012	Sent		В	ETRAVUB1		
	BE	Sample testing result	13/12/2012	Received		BI	ETRAVUB1		
	SX	Sample testing result	13/12/2012	Received		B	ETRAVUB1		
	BE	Cancel of a request	13/12/2012	Sent		B	ETRAVUB1		
	BE	CBU report request	13/12/2012	Sent		В	ETRAVUB1		
	BE	CBU report request	13/12/2012	Sent		В	ETRAVUB1		
	BE	Sample request	13/12/2012	Sent		В	ETRAVUB1		
	BE	Typing request	13/12/2012	Sent		В	ETRAVUB1		
	BE	Typing request	13/12/2012	Sent,cancelled	_	В	ETRAVUB1		
	SX	Typing request	13/12/2012	Sent,cancelled		В	ETRAVUB1		
	GL	Preliminary request	13/12/2012	Sent,cancelled		B	ETRAVUB1		
	SX	Key donor update	13/12/2012	Sent,cancelled	_	В	ETRAVUB1		
	SX	Service cannot be do	13/12/2012	Sent,cancelled	_	В	ETRAVUB1	REQ_TYPE:IDM;REASON:UC;	
	SX	Result of IDM req.	13/12/2012	Sent,cancelled	_	B	ETRAVUB1		
	SX	Sample arrival date	13/12/2012	Sent,cancelled		В	ETRAVUB1	ARRV_DATE:14.12.2012;	
	SX	Result of typing	13/12/2012	Sent,cancelled	_	В	ETRAVUB1		
	SX	Message acknowledge	12/12/2012	Sent,cancelled		В	ETRAVUB1		
	BE	Cancel of a request	12/12/2012	Sent		B	ETBAVUB1		

- If you tick the ok field, the message will be transferred to the old messages section, update the table.
- Other escape of the window will not save the changes.
- Column headings of the table behave intelligent: If you click on them by the mouse, you can sort them by ascending or descending order.
- You can filter the displayed values in this column by the click on the arrow in the column heading.
- You can edit the column width.
- You can change the displayed order of the columns by the "drag & drop" of the column heading between two other column headings.

#### IV.V.4. Message contenance

This chapter describes the window browsing of the messages:



Clicking on the message or selecting "show message" will open the message:

- Print message: the new report of the log. message will be displayed;
- **New result**: if the log. message Request is displayed, it makes possible to create a new answer to this request. It is a context number and it means that e.g. if the log. message Typing request is displayed, the button serves for the creation of a new Typing result;
- Donor status change: it serves for the creation of a negative answer for the displayed request;
- **Deny request**: it serves for the rejection of the displayed request;
- Cancel request: it serves for the cancellation of a request;
- **New Text msg**.: it serves for the creation of a new text message which is connected with the same couple patient-donor as the displayed message is;
- **New warning**: it serves for the creation of a new warning which is connected with the same couple patient-donor as the displayed message is.

#### MESSAGE

The message consists of 3 tabs: General – Physical messages – Content.

When you open the message the **Content tab** will be immediately opened.

The basic information of your message (request – result) is available in the screen: the buttons below will allow you either print the message, create a WMDA report or to send an answer (result, warning, reminder, cancellation, ...) to the other HUB (or Belgium).

The EMDIS system data message is available in the **Physical message tab**, technical information about the message (inserted in the database, status, message number, ....) is available in the **General** tab.

In the content the **GRID code** (Global Registry Identifier) has been added : Donor GRID codes will be uploaded to BMDW from 01.01.2019, but not yet used in the EMDIS communication – search work flow.

General Physical messages Content
IDM requested - Hepatitis B surface antigen Yes
IDM requested - Antibody to Hepatitis B surface antigen Yes
IDM requested - Antibody to Hepatitis B core antigen Yes
IDM requested - Antibody to Hepatitis C virus Yes
IDM requested - Lues status (Treponema pallidum) Yes
IDM requested - ALT status Yes
IDM requested - Antibody to HTLV1.V2 Yes
Date of sample extraction
Donor blood group and rhesus ?
Donor weight
Donor height
Number of transfusions ?
Number of pregnancies
Donor CMV status
Date of CMV test
Donor Toxoplasmosis
Donor EBV status
Donor HIV status
Donor HIV p24 antigen ?
Donor Hepatitis B status (hepatitis B surface antigen) N
Donor Hepatitis B status (antibody to hepatitis B surface antigen)
Donor Hepatitis B status (antibody to hepatitis B core antigen)
Donor Hepatitis C status (antibody to hepatitis C virus) N
Donor Lues status (Treponema pallidum) ?
Donor ALT status
Donor antibody to HTLV1.V2?
Remark
Global Registry Identifier

Message title	Description
PAT_UPD	New patient registration
PAT_STAT	Patient status change
PAT_ALTPH	Patient alternative phenotype registration (IS NOT USED ANY MORE)
DONOR_CB	List item of convenient donors for patient (one donor or cord blood)
PHEN_LIST	List item of convenient phenotypes for patient (one phenotype).
MATCH_SUM	Summary of search result for patient.
TYP_REQ	Request of further donor type testing.
TYP_RES	Result of further donor type testing
SMP_REQ	Request of sending of donor blood sample.
SMP_ARR	Supposed date of delivery of donor blood sample.
SMP_RES	Sample test result.
IDM_REQ	Request of sending of infectious illness sample.
IDM_RES	Result of request of sending of infectious illness sample.
RSV_REQ	Request of donor reservation for transplantation purpose.
RSV_RES	Result of reservation.
REQ_CAN	Request cancel.
WOR_REQ	Request of starting work on transplantation.
MARR_STAT	State of "work" with donor.
NEW_ADD	Register data update.
MSG_DEN	Request rejection.
WARNING	Warning message.
TXT_MSG	Text message.
DON_UPD	Donor downloading. (not used)
SEA_RES	Search result. (not used)
NO_RES	No result. Service cannot be settled.
MSG_ACK	Received messaged confirmation.
RES_REM	Unsettled request remind.
ALM_REQ	Donor alternative phenotype reservation.
ALM_RES	Same as DONOR_CB, but it is used as answer to ALM_REQ
CBR_REQ	Request of supplemental information about Cord blood unit

# IV.V.5. Message types

# **IV.V.6.** Analytical tool

Analytical tool for message analysis allows working with the whole message database and their substantial data. The analytic tool for outgoing typing requests and outgoing sample requests are available for the Transplant Center.

				Prometheus - Stem Cell Donor Registry	
8	Donor F	Patient Search	n EMDIS	Service Help	
	$\geq$		=	Analytic tool for outgoing typing requests Analytic tool for outgoing sample requests	
New	Old	Requests	Reports	Minary de cool foir outgoing cypling requests Minary de cool foir outgoing sample requests	
messages	EMDIS	Commands		EMDIS Tools	

Select the date range
From 24/10/2018
To 24/10/2018
Show All
OK X Cancel

First select the period for which you wish to export the requests:

# **IV.VI. EMDIS reports**

The EMDIS reports are called up by the menu command EMDIS | Reports.

EMDIS reports								
	Pos 🗵	Name 🛛	Description	FileType 🗵				
	1	EMDREP001	EMDIS Messages	.rep				
	2	EMDREP002	EMDIS Requests without Results	.rep				
	3	EMDREP003	EMDIS Requests	.fr3				
	4	EMDREP011	Local patients in EMDIS	.rep				
	5	EMDREP013	Local patients in local DB	.rep				
			·					

# IV.VI.1.EMDREP001 EMDIS messages

Selecting the 1. EMDREP001 will open the following filter: make a selection of the messages you wish to print:

EMDIS log. messages filter	ок	Esc
EMDIS log. messages filter         HUB selection       ALL         Date from       07.12.2012 • to       13.12.2012 •         Do not show all categories, show only:       •         Preliminary request       •         Change patient status       •         Patient update       •         Search result       •         Ypping request       •         Sample arrival date       •         Sample testing result       •         IDM request       •         Donor reserv. reguest       •         Donor workup status       •	OK	Esc
✓ OK X Cancel	<b>?</b>	F1 /1

			EMDIS reports			
Po	os 🗵	Name 🛛	Description	V	FileType 🗵	
1		EMDBEP001	EMDIS Messages		rep	
2		EMDREP002	EMDIS Requests without Re	sults	.rep	
3		EMDREP003	EMDIS Requests		.fr3	
4		EMDREP011	Local patients in EMDIS		.rep	
5		EMDREP013	Local patients in local DB		.rep	
н	-	+ H + +	× × · + <b>-</b>	<		>
						<u>.</u>
					_	_
						~
				В∕ ок	X Cance	əl

# IV.VI.2.EMDREP002 EMDIS Requests without results

EMDIS requests without results: possible options: check status of Typing request, Sample request, IDM request, Donor reservation request and CBU requests. (status of Belgian requests is received).

Requests without results filter	OK Es	C
HUB selection ALL Date from 05.12.2017 • to 18.12.2017 • Do not show all categories, show only: Do not show all Typing request Prepared t	l statuses, show only: to send	
Sample request       Sent         IDM request       Received,         Donor reserv. request       Received,         CBU report request       Prep. to set         Sent_cance       Received,         Sent_cance       Received,         Sent_cance       Sent_cance         Sent_deniet       Sent_cance	,not proc. ,denied = end,canc. celled = ,cancelled = ed v	
	VK X Cancel	



## **IV.VI.3.EMDREP003 EMDIS Requests**

#### Report how many requests were sent:

The table gives an overview of the sent, cancelled, denied typing requests, sample requests, IDM requests and Reservation requests for international EMDIS donors.

EMDIS Req	uests
Select hub's ALL - AL HUBs SX - sx ZA- South Afrrica GR - Hellenic Patras SE - Sweden	Received or send C Received Send Include Fax Requests
Date from : 4/12/2017  Date to : 18/12/2017	¶∕ OK X Cancel



Marrow Donor Program Belgium Registry Marrow Donor Program Belgium - Registry Motstraat 40 2800 Mechelen Belgium

Send requests from 4/12/2017 to 18/12/2017. Generated at 18/12/2017 12:00:28

Generated by TC ANS

Hub	TYPREQ	SMPREQ	IDMREQ	RSVREQ
SX	1/1/0/2	0/0/0/0	0/0/0/0	0/0/0/0
ZA	0/0/0/0	0/0/0/0	0/0/0/0	0/0/0/0
GR	0/0/0/0	0/0/0/0	0/0/0/0	0/0/0/0
SE	0/0/0/0	0/0/0/0	0/0/0/0	0/0/0/0
Total	1/1/0/2	0/0/0/0	0/0/0/0	0/0/0/0

Format in columns : Send/Canceled/Denied/All

## **IV.VI.4.EMDREP011 Local patients in EMDIS**

This option enables to verify changed patient statuses in EMDIS : selecting the 1. EMDREP011 will open the following select report options screen:

User documentation part 1 – Transplant management version 4.0

Please select the status, the HUBs and date of last change from – to:

Select report options	
Local patients in EMDIS	✓ ALL - All HUBs
Show only selected statuses: Preliminary Search Active Suspended Stopped	<ul> <li>▲ AU - Austrana</li> <li>✓ SE - Sweden</li> <li>✓ CH - Switzerland</li> <li>✓ CZ - Czech Republic</li> <li>✓ DE - Germany</li> <li>✓ ES - Spain</li> <li>✓ FR - France</li> <li>✓ GB - Great Britain</li> <li>✓ II - Italw</li> </ul>
Last change date from:	<ul> <li>✓ NL - Netherlands</li> <li>✓ NO - Norway</li> <li>✓ GL - Gift of life - USA</li> <li>✓ WA - Welsh</li> </ul>
	V OK X Cancel

The system will generate a patient list and the status of the search of the selected HUBs within the indicated time interval:

Loc selec Gene Gene	Local patients in EMDIS selected dates; selected HUBs; status: PRE ACT SUS STP Generated at 18.12.2017 12/09 Generated by TC ANS		D Varrow Dener Program the later Penaltin		Marrow Donor Program Belgium - Regi Motstraat 40 2800 Mechelen Belgium			istry
#	ID	Name	Sex	DOB	HUB	Status	Last ch	ange

#### **IV.VI.5. EMDREP013 Local patients in Local DB**

This option enables to verify changed patient statuses in the local database: selecting the 3. EMDREP013 will open the following select report options screen:

Select report options
Local patients in local DB
Exclude FAX patient
Show only selected statuses:
Preliminary Search
V Active
Suspended
V Stopped
Last change date from:
Cancel

The system will generate a report with the status of your patients in the Belgian HUB (note: : exclude fax patients is a Registry option).



Marrow Donor Program Belgium - Registry Mostreat 40 2800 Mechelen Belgium

# V. NON EMDIS REQUESTS

When you want to perform a preliminary search for a Non EMDIS country send the "MDPB FRM002 Non EMDIS search request" to the Registry.

The BMDW (<u>www.BMDW.org</u>) non EMDIS country codes are listed, thick the appropriate countries and fill out the search date. Send the form to the Registry. The Registry coordinator will send the preliminary search request by mail to the respective countries.

When receiving non EMDIS search results additional requests can be sent to the Registry using the MDPB SOP forms.

# V.I. Registration of fax donor

Not applicable.

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# V.II. Activating requests for fax donor

Not applicable.