

Information system for Stem Cell Registries – Donor
Centers – Transplant centers

Prometheus

Part 1 : Donor and Cord Blood management



Steiner



Marrow Donor Program Belgium – Registry

User documentation MDPB-R Version 5.0 (2019)

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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

RO: Romanian Registry of Hematopoietic Stem Cells Voluntary Donors

Donor manual : Initial validation date for donors available.

Maximum of 10 selected donors is stored in the Select button history.

Reminder option for confirmatory typing results (reminder button in the SMP-ARR button).

Changes – upgrade version 4.0 – May 2018.

New CITRIX version.

IV.VIII. EMDIS connections.

II.III. 2. Panel on second row: additional tab “Messages” “Requests”.

II.IV. New donor

ION: prefilled : 4201 (the ION Issuing Organization number) assigned by the ICCBBA.

EMDIS Ethnic: donor Ethnic Group.

II.VI. HLA Data typing history. (typing updates are logged and discrepant typings are better illustrated).

III. Cord Blood. EMDIS cord project, extended Cord dataset.

IV.III.2. Sample request: new option: New sample info.

New WMDA reports.

New EMDIS reports.

*(Comment: on request of other registries using Prometheus the patient name is replaced by Hidden when printing the EMDIS messages - for GDPR reasons – General Data Protection Regulation).
(The patient name is available when printing the WMDA report).*

Changes – upgrade version 5.0 – April 2019.

NEW items are highlighted in green.

GRID: implementation of GRID code – GRID codes are upload to BMDW, so that both the old donor code and the GRID codes are available in the WMDA search system. There is no impact on the search-workup communication – the existing donor code will still be used in the workflow.

WMDA collaborated with [ICCBBA](#) (*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.

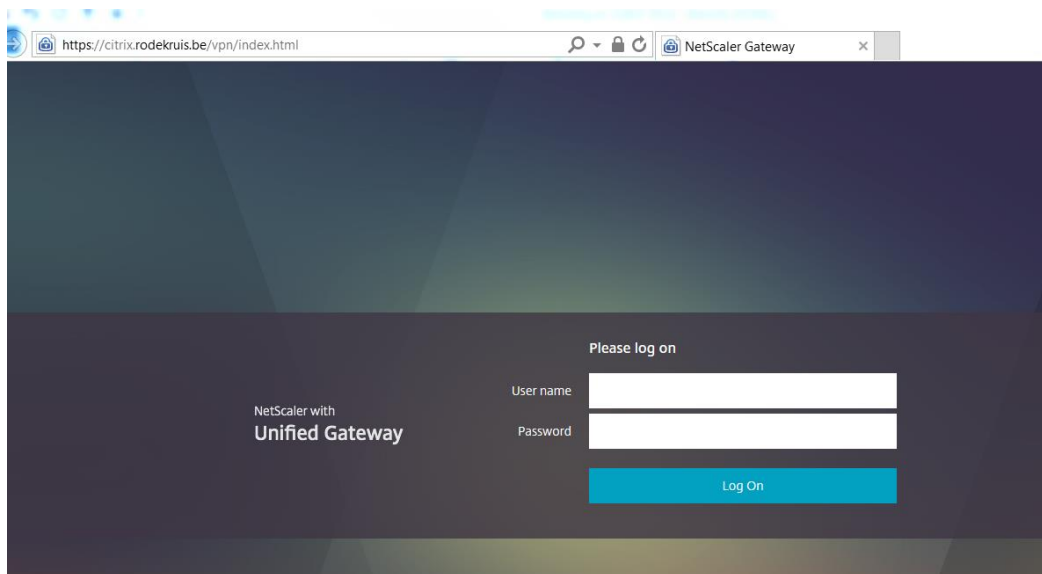
I. INTRODUCTION

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.

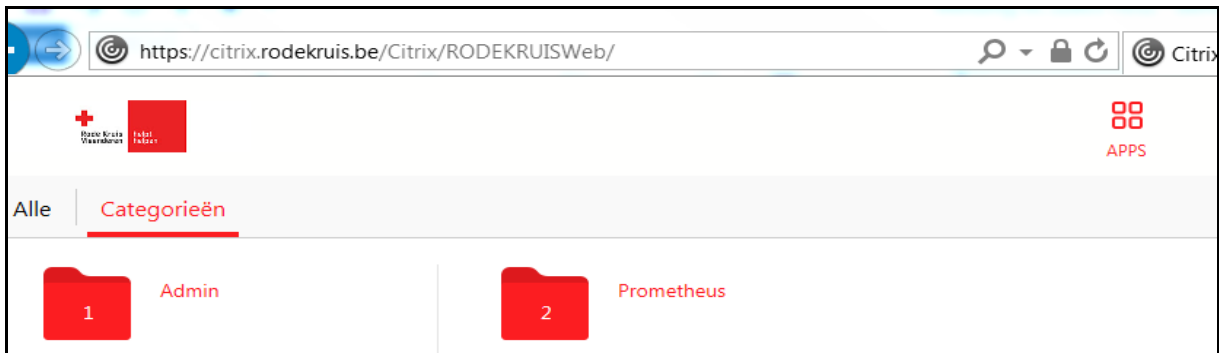
To login go to <https://citrix.rodetrui.be> and enter your Citrix username and password:



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

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

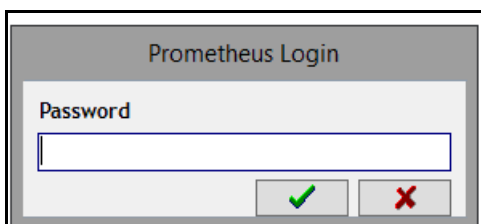
After successful download, the following screen will be displayed: select **Prometheus**:



Select Prometheus **Productie**:



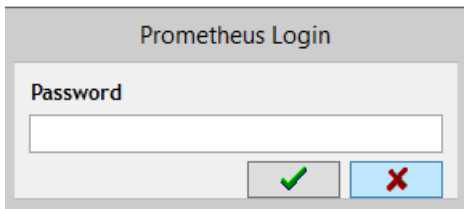
The following screen will be opened, enter your Prometheus login:



I.1.2. Login

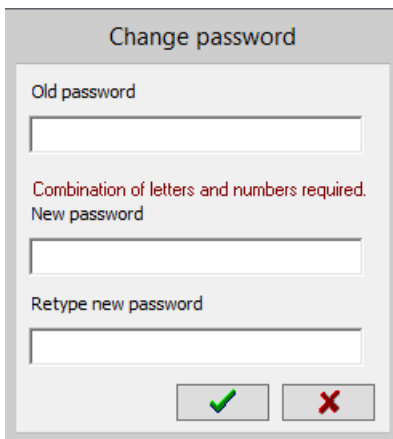
You have 3 attempts to enter the right password. When the third attempt in a row fails, the user account will be locked. The user has to ask the Registry coordinator to unlock the account . When the ID and the password are correct the program will initialize and the main program window screen will be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

FIRST LOGIN



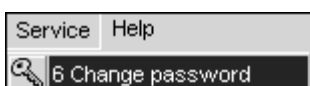
To access the application for the first time, please log in by entering the password type “**23 23**” (23space23) that was sent to you. You will be required immediately to change your password. Your new password must be in format **23 shoe1** (**23spaceshoe1**). (combination of letters and numbers required).

23spaceshoe1).

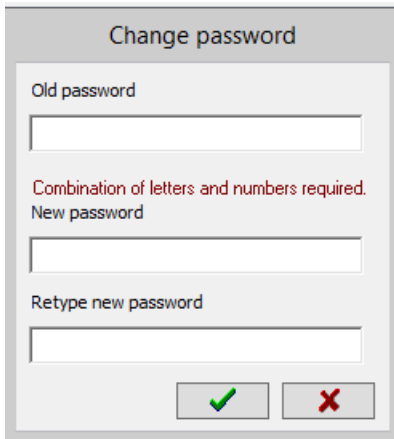


I.1.3. User password change

Go to **SERVICE** and select “**Change password**” to change your password:



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

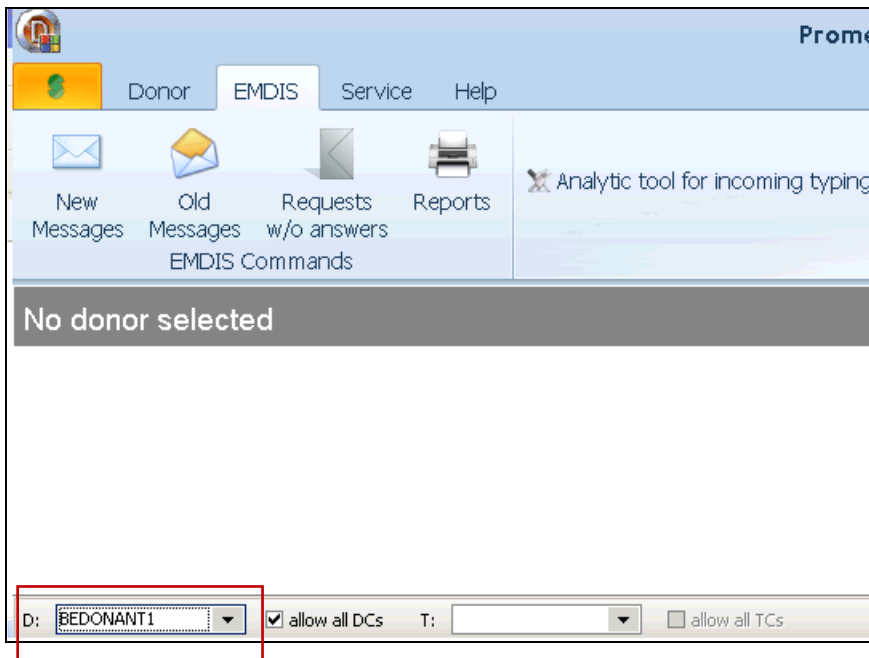


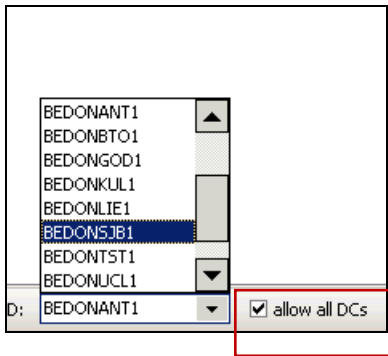
A dialog box titled "Change password" with three input fields: "Old password", "New password", and "Retype new password". Below the "New password" field, there is a red error message: "Combination of letters and numbers required." At the bottom of the dialog, there are two buttons: a green checkmark and a red X.

I.I.4. Multiple access rights

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

Select the arrow to change the Donor Center.

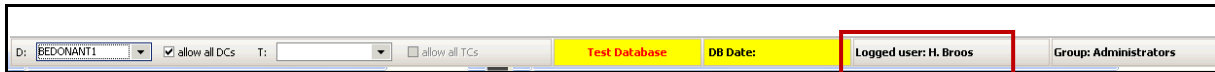




Allow all DCs – this check-box allows the user to work simultaneously with data from all Donor Centers he has access to.

Select the arrow to change the active center, you can switch between Donor Centers, Transplant Centers, 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 the user group.

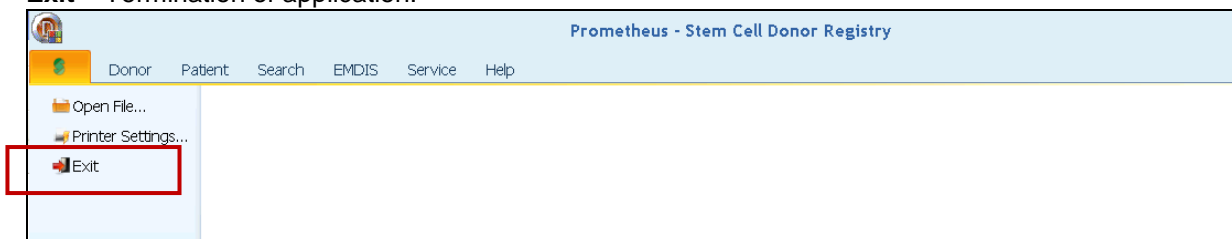


Double blind data entry includes data typed by one individual, then typed by a second individual, with the computer comparing each difference. Differences are noted in red after pressing the “check all” button. In Prometheus the profile “single managed” have rights to enter and validate HLA typing data.

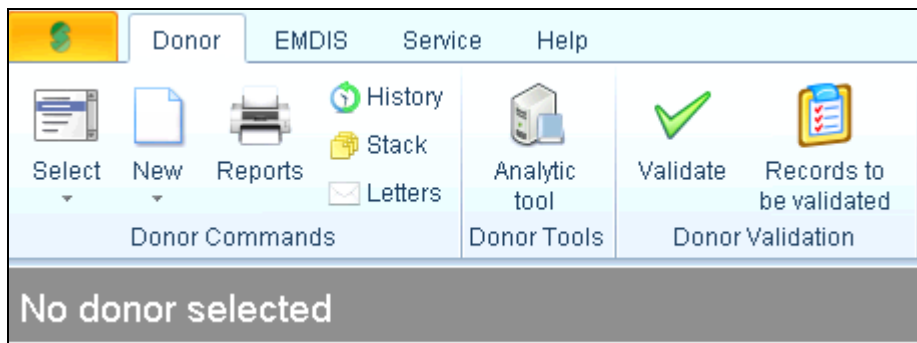
We have 2 profiles:

- * person with only **registration** rights
- * person with **registration and validation** rights

Exit – Termination of application.

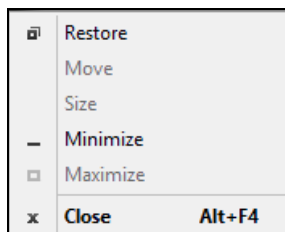


I.II. MAIN PROGRAM WINDOW



The upper part of the panel exists of the following menu options:

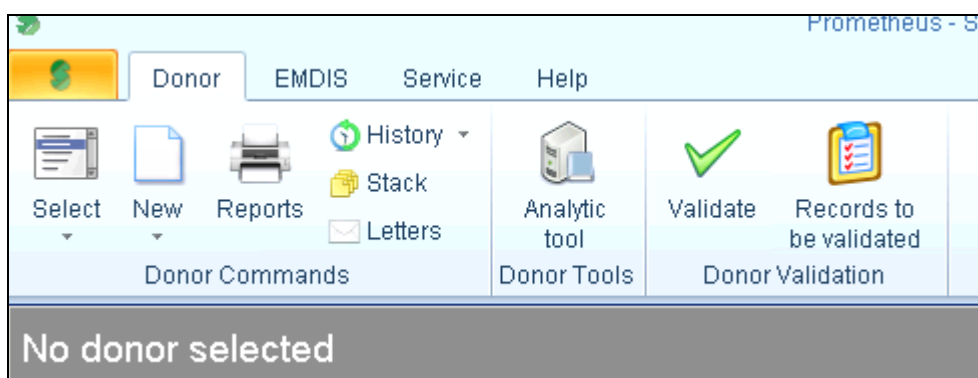
I.II.1.1. File



Minimize – minimizes your window screen

Close – lets you end the session

I.II.1.2. Donor



The donor program functions are available in menu “Donor”. Via Select or **(F3)** the donor can be selected, via close or **(F2)** the donor 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 donor.



The program remembers the last selected donors and can be opened via (use the small arrow below to the “select” button).



Use the command to create a new donor or (Ctrl+N).



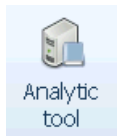
The “History” command displays the donor data change history.



allows you to validate updated typings of new registered donor typings.



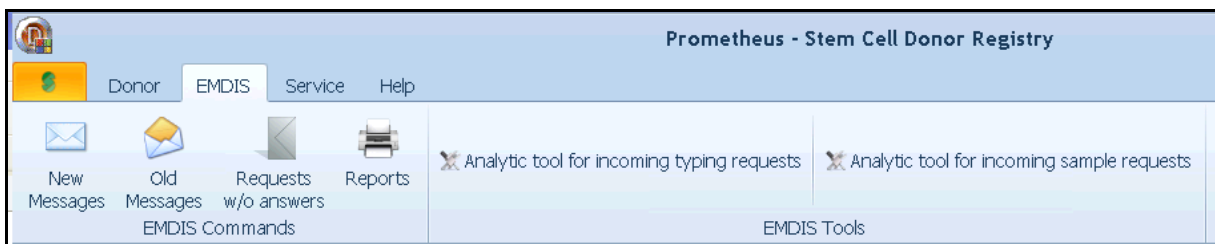
The command (Ctrl+R) offers you a list of donor reports.



Command opens the tool for donor analysis.

The donor menu will be explained in [chapter II. Donor menu](#).

I.II.1.3. EMDIS



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

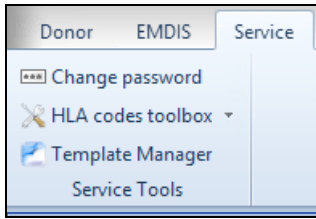
“Analytic tool for incoming typing requests” – “Analytical tool for incoming sample requests”

The use of analytic tools is further explained in [chapter II.X. Analytical tool](#).

“Reports” Allows you to print EMDIS reports.

“Requests without answers” Allows you to consult the pending requests.

I.II.1.4. Service

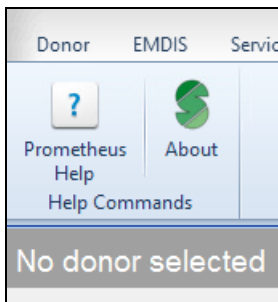


Change password – allows you to change your password.

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

Template Manager – see addendum manual “Template Manager”

I.II.1.5. Help



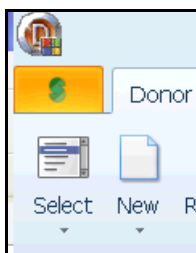
Prometheus Help – enables you to consult the Prometheus user documentation. (general from Steiner – not the Belgian version.) Not operational.

About – Prometheus version

I.II.2. Quick select buttons

I.II.2.1. Select donor

Select donor – the selection of a donor.



Click the „select “ button to go to the „donor select“ screen, the following screen will be opened:

New: the GRID

You can search donors by several parameters:

➤ **Search for sequence:**

- **Anywhere: (..XX123XX..)** if entering “1000” all donors with 1000 will be offered for selection: BEANT100012345, BEANT**100001234**, BEANT**100001234**,
- **From beginning: (XX123...)** when entering “BEANT1000” all donors starting with BEANT1000 will be offered for selection: **BEANT1000**1234, **BEANT1000**1234,....

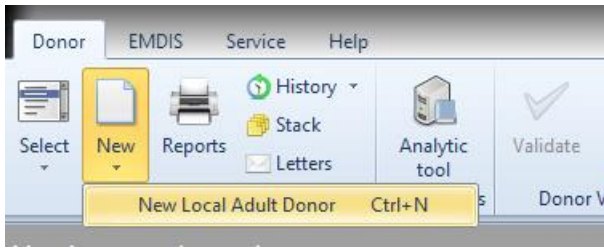
➤ **Search by:**

- **Generated ID:** for new Prometheus donors, fill in only numbers of the full ID: 123456.
- **Old ID:** the Syrenad code or code from the Cord Blood Bank.
- **EMDIS ID:** is equal to the old ID
- **Local center ID:** Local center ID field.
- **Birthdate:** fill in year (YYYY), year and month (MMYYYY) or full date (DD/MM/YYYY)
- **Personal number:** NA
- **Name:** fill in full name or several characters of last name (at least 3 characters needed).
- **EMDIS ID:** For new Prometheus donors: BE123456D.
- **GRID NR: Global Registration Identifier for Donors.**
- **Any identifier**

Note: new donors will be attributed a identification code by Prometheus: BE123456D. (donors migrated from the Syrenad application will keep the Syrenad codes). *(as cord bloods will always be uploaded in Prometheus, the Syrenad identification code will not change).*

Only the option „Local“ is applicable for the donor center or cord blood bank.

I.II.2.2. New donor



This menu selection allows you to register a new donor in the national database. The donor registration is explained in [chapter II.IV New donor](#).

I.II.3. Hot Keys

Table of keyboard shortcuts:

Hot key	Function	Hot key	Function
F3	Donor select	F2	Donor close
Ctrl-N	New donor	Ctrl-D	Donor edit
Alt-Q	Program shutdown	Esc	Option abort
Alt-X	Option confirm		

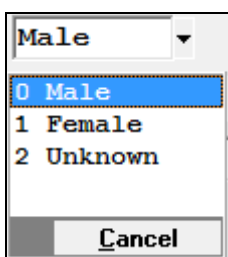
I.II.4. Behavior of input fields

I.II.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.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.

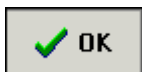


I.II.4.3. Selection from dynamic code list

- 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.

Code	Description
AR	Argentina
ARCB	Argentina CORD
AM	Armenia
AUS	Australia
AUCB	Australia CORD #
A	Austria
ACB	Austria CORD
B	Belgium
BCB	Belgium CORD ##
LVCB	Belgium-Leuven CORD
BG	Bulgaria
CND	Canada-OneMatch
CNCB	China-Sinocord CORD
HR	Croatia
CY	Cyprus
CY2	Cyprus BMDR
CSCB	Czechia CORD
CS2	Czechia-Central BMDR
CS	Czechia-Czech BMDR
DK	Denmark
DK2	Denmark-BMDC
DUCB	Duesseldorf CORD #

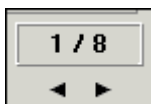
I.II.4.4. Form control



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.

ID	Medical	Status	IX	Address	Sero	DNA	IDM
----	---------	--------	----	---------	------	-----	-----

PageUp - previous page PageDown = next page

ID	Medical	Status	IX	Address	Sero	DNA	IDM	KIR
----	---------	--------	----	---------	------	-----	-----	-----

Fill the identification of the instituion (F3 - own institutions, F4 - all institu

Last name	<input type="text"/>
First name	<input type="text"/>

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).


The bottom part of the window screens gives you contextual help for data entry:



<input type="text"/>
Insert text of max. length 30 characters

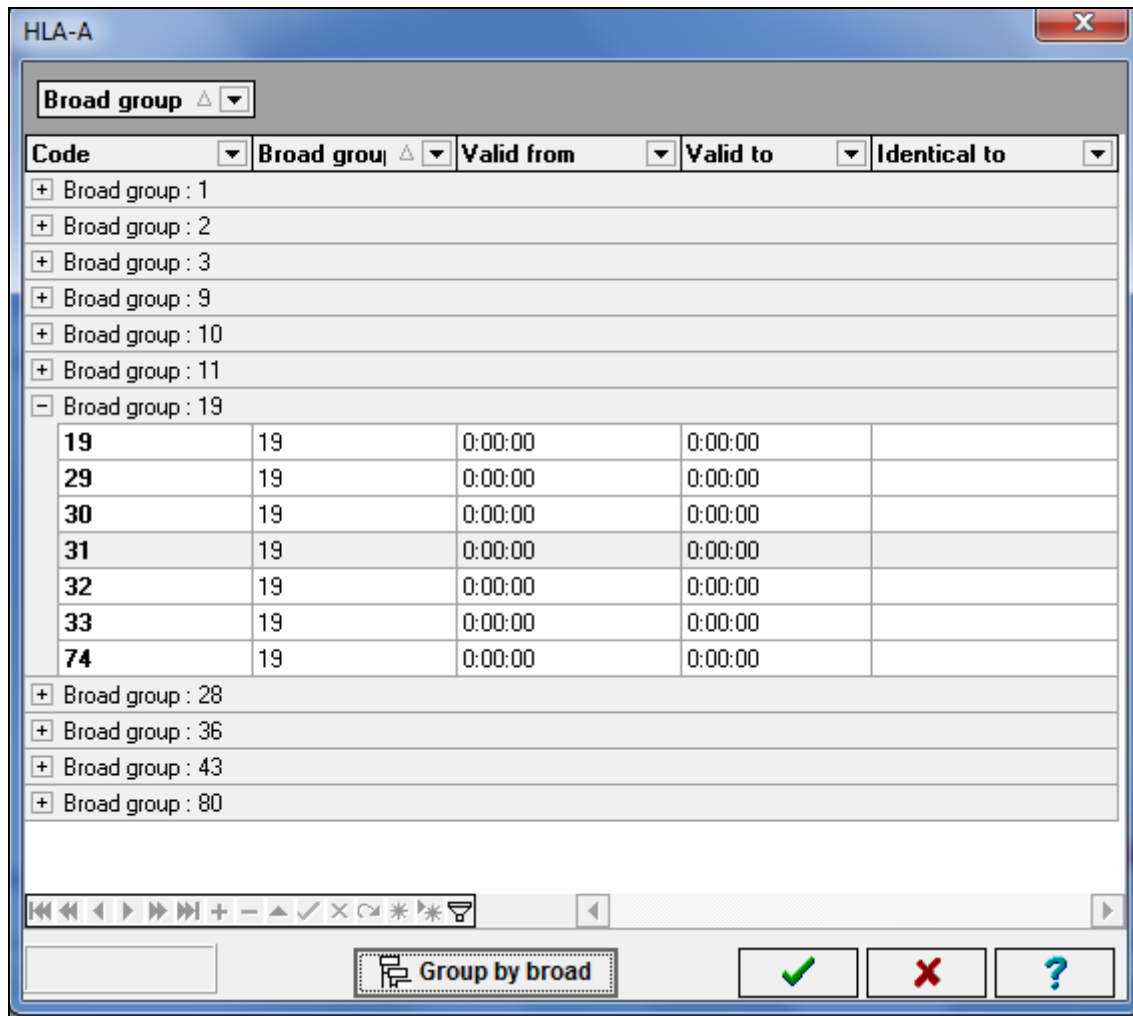
I.II.4.5. HLA DATA

I.II.4.5.a. Serology

The following screen is offered for serology typing, but it is not mandatory to enter serology if molecular typing is available.

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

Codes can be grouped by broad group  **Group by broad** or filtered by custom criteria 



Group by broad view

I.II.4.5.b. 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.

Note: Serology or search determinant are not needed in Prometheus: the serology or search determinant will be removed when migrating donors and cord bloods to Prometheus : if the molecular value is available, the serology or search determinant will not be migrated.

When doing a **typing update** the serology must be removed when entering a molecular value. Regular serology removal will be performed by the Registry.

DNA Typing results view

I.III. WORK PANEL DONOR

I.III.1. Upper panel

Edit: this button allows you to enter and edit the donor's data.

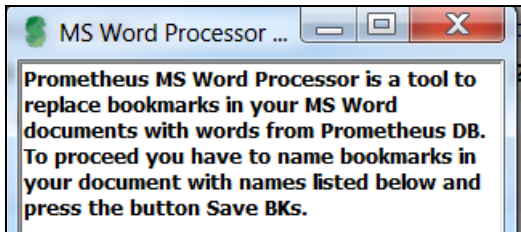
HLA: data typing history

HLA codes: allows you to consult the renamed and deleted alleles

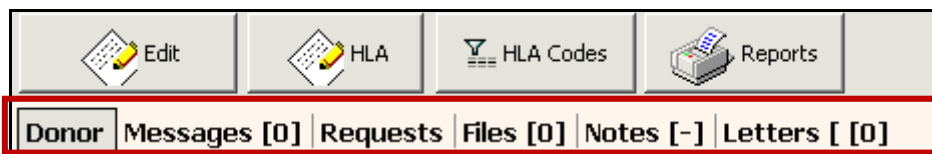
Reports: this button opens the donor reports application.

Word :

New is the MS word processor.(not implemented in MDPB).



I.III.2. Panel on second row



The donor data consists of 5 tabs: **Donor record**, **Messages**, **Requests**, **Files**, **Notes**, **Letters** (New)

Letter History (will be explained in additional manual “letter templates”).

I.III.2.1. Donor record



The **“Donor Record”** tab shows the basic information of the donor, also available in the different tabs when editing the donor record. ([Chapter II.III. Donor edit](#)).

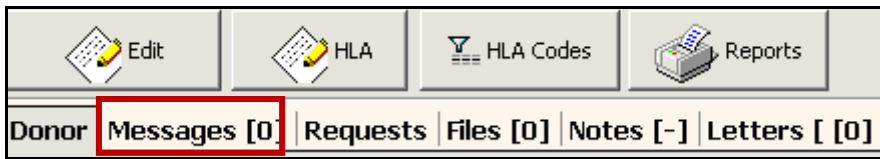
At the bottom of the window screen will be indicated:

- Record changed on:** last change of the record : date – time – user
- Record inserted on:** date when record inserted
- HLA/DNA validated on:** date when the HLA/DNA data have been validated
(after first registration or hla typing update) – time – user
- First validation:** date of first validation

If the record has not yet been validated, the text **“HLA/DNA to be validated”** will be highlighted in red, or when the typing validation failed, **“failed HLA/DNA validation”**, waiting for a typing update.

I.III.2.2. Messages

The **“Messages”** tab allows you to see all specific EMDIS messages received for this donor.



The old “EMDIS messages” tab has been expanded by 2 different tabs: “Messages” and “Requests”.

The tab “Messages” will list all incoming and outgoing messages as in the previous “EMDIS messages”.

HUB	Category	Date	Status	Patient ID
US	Result of IDM req.	25/05/201	Prepared to send	
US	Result reminder	7/02/2014	Prepared to send	
US	Message acknowledg	15/05/201	Received	
US	Sample arrival date	15/05/201	Sent	
US	Sample request	14/05/201	Received	

I.III.2.3. Requests



The tab “Requests” lists the different requests you received and the status of the request:

Request Type	Request Status	HUB	Patient ID	Request	Result DC
Sample request	Received	US		SMP_REQ 14/05/2013	

I.III.2.4. Files

It is possible to attach external files to a donor record: open the donor record and select the “Files” tab in the donor work panel.



You can upload Excel, Word and PDF files, e-mails, pictures, ... by selecting the button “**New file**”.

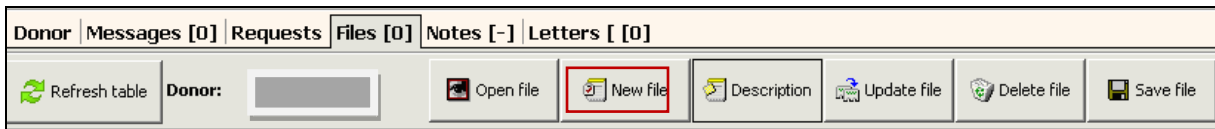
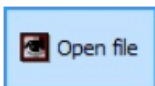


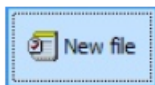
Table description:

- **File name column:** 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:

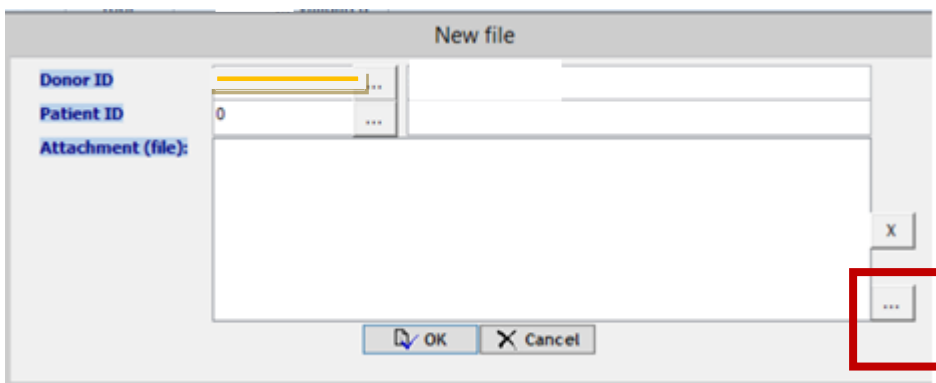


Open file button: open the highlighted file in the attached files table.

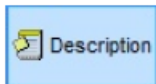
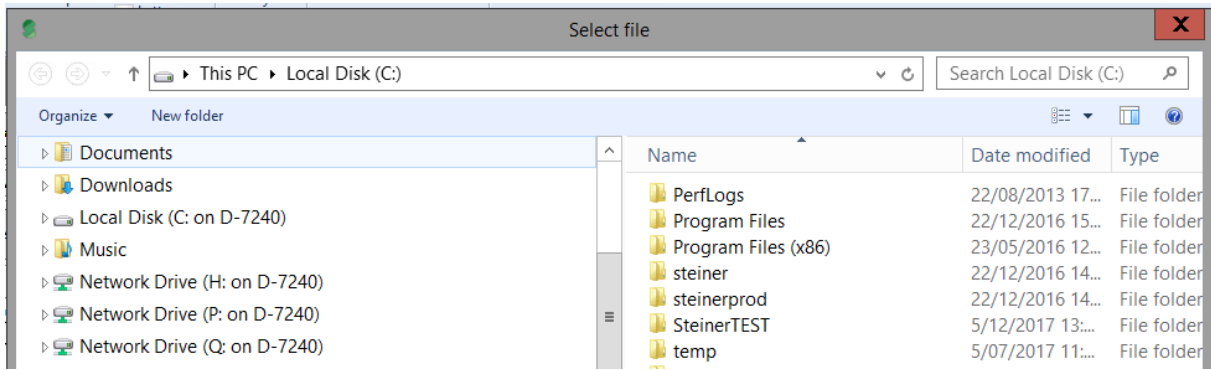


New file button: attach a file to the donor record.

Click on  to open the “Select File” window screen:



And browse for the document you wish to upload:



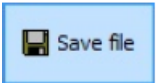
Describe file button: enter a text description of the file highlighted in the attached files table.



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

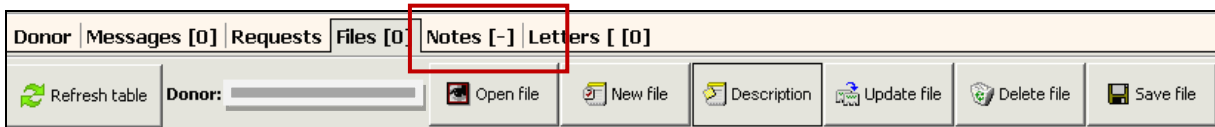


Delete file: delete the highlighted file in the attached files table.



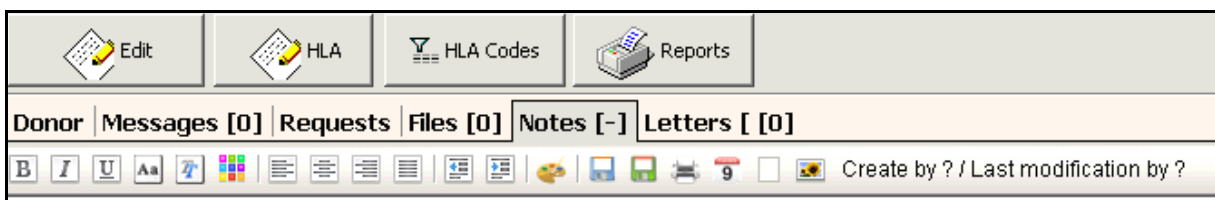
Save file: save a copy of the highlighted file in the attached files table on your pc.

I.III.2.5. Notes



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

Select the **“Notes”** tab to open the window screen. .



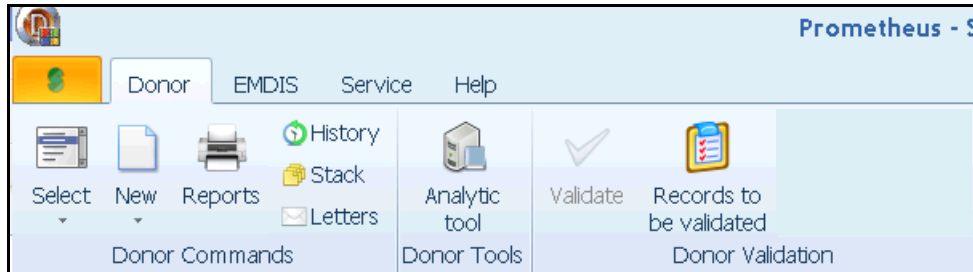
To add a note, type the text.

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.

I.III.2.6. Letters

Is explained in the Addendum Letter template manager 4.0. 2017.

II. DONOR MENU



II.I. DONOR SELECT

The select option is explained in [chapter I.II.2. Quick select buttons](#).

II.II. DONOR CLOSE


Select Donor Close or F2 or press  to end the donor editing.

II.III. DONOR EDIT – CONSULTATION – UPDATE OF DONOR

Edit can be used for consulting the donors record, change donor data (medical data – availability - address coordinates – HLA data) and cancel the donor from the national database.

If there is a change of HLA data (sero – DNA) the record must be validated. Validation rules are explained in [chapter II.VII. Validate](#).



Press  to open the donors record: the ID tab will be opened (other tabs are Medical – Status – TX – Address – Sero – DNA – IDM). You'll find more detailed information in next [chapter II.IV. New donor](#).

New the GRID code:

WMDA collaborated with [ICCBBA](#) (*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. This was needed to facilitate communication and prevent errors in identification of donors (not applicable for cords).

First part: ION for Belgium is 4201

Second part: 13 digits:

= the internal Prometheus code of the donor record prefilled with leading zeros as the code is shorter than 13 digits.

Third part: Checksum – will be calculated by Prometheus.

(is an algorithm – used to validate and check the GRID to ensure that the input data is genuine and error free).

Edit Donor Achternaam / BE277571D

Registry B ... ION 4201 ...

Ext.donor: GRID 4201000000027757113

Donor centre BEDONANTI ...

Donor centre ID

Data transferred on 17.09.2018

Last name Achternaam

First name Voornaam

[E] Gender Male

[E] Birthdate 17.09.1986

Personal number

EMDIS Ethnic ?

PageDown = next page

Invalid ION code. Enter a valid value.

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When reporting HLA typing results or IDM results for national and international patients, the results must be edited before sending the EMDIS message. When doing a typing update, the new HLA values will not be available for EMDIS as long as the typing has not been validated.

II.III.1. Donor status: temporarily unavailable – reservation - cancellation

a. Temporarily unavailable

If a donor is not available for a period, the status must be set to “Temporarily unavailable”. Indicate the time period by filling in “status from... to.... “ and select the reason:

A pregnant donor must be temporarily suspended from the Registry's database file during the entire time of the pregnancy and up to a period of six months after delivery when requested for a typing request or blood sample request.

When the end of TCI has been reached, Prometheus will set the status to availability again.

b. Reservation

When a donor has been requested for additional typing or a blood sample shipment, the donor will be reserved for 2 months. The user must change the availability status and reserve to donor for a period of 2 months (cfr MDPB-R SOP).

Donor status: donor reserved

Status from: date of today to 60 days from now on (These data will be sent via EMDIS).

By pointing the actual month a drop-down list will be opened. You can also navigate with the arrows.

It's mandatory to enter the patient ID for which the donor has been reserved, the message will be sent via EMDIS. The HUB of the patient will be informed consequently.

c. Cancellation

You should use the edit option to cancel a donor from the database. First select the donor, and then press Edit. Go to the **Status** tab: select the donor status option "4 Donor deleted".

Specify the reason and date of cancellation, this information will be sent via EMDIS. All patients linked to this donor will receive the information that the donor is no longer available.

Edit Donor OK Esc

Donor status
 Donor status: Donor deleted

Status from: [] [E] to: []

[E] Status reason

1 Donor is too old

2 Donor died

3 Medical reasons

4 Personal reasons

5 After transplantation

6 Donor has moved

7 Unable to contact

8 No sample available (only CBU's)

9 Other reasons

A Typing questionable

B Unknown

C HLA mismatch

D Pregnancy

E Emigrated

F Duplicate

Cancel

Consent
 [E] Reserv. - Patient ID
 External Comment
 Internal Comment
 ref:

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PageUp - previous page PageDown - next page

\ID \Medical \Status \IX \Address \Sero \DNA \IDM/

By pointing the actual month a drop-down list will be opened. You can also navigate with the arrows.

Status from: 07.12.2012 [E] to: 07.05.2013

Status reason: december 2012

ma	di	wo	do
26	27	28	29
3	4	5	6
10	11	12	13
17	18	19	20
24	25	26	27
31	1	2	3

Consent
 Patient ID
 Comment
 External Comment: Vandaag: 7/

Today

januari
 februari
 maart
 april
 mei
 juni
 juli
 augustus
 september
 oktober
 november
 december

Status reason:

1. Donor is too old
2. Donor died
3. Medical reason
4. Personal reason
5. After transplantation
6. Donor has moved
7. Unable to contact
8. No sample available
9. Other reasons

- A. Typing questionable
- B. Unknown
- C. HLA mismatch
- D. Pregnancy
- E. Emigrated
- F. Duplicate
- L. Donor currently abroad. (new: will be mapped to EMDIS value PR – personal reasons).

A volunteer donor must be prevented from donating again (unless he or she donates for the same recipient). After donation the donor must be cancelled from the database.

The screenshot shows a 'New Donor' form with the following fields and values:

- Donor status:** Donor deleted
- Status from:** [Empty dropdown]
- [E] to:** [Empty dropdown]
- [E] Status reason:** After transplantation
- Consent:** no
- [E] Reserv. - Patient ID:** [Empty field with search icon]
- External Comment:** [Empty text area]
- Internal Comment:** [Empty text area]

Buttons: OK, Esc

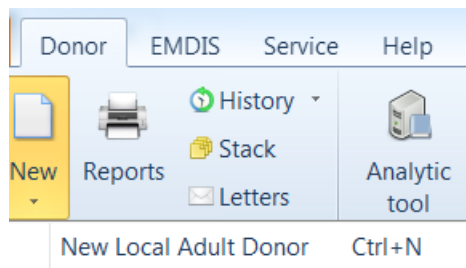
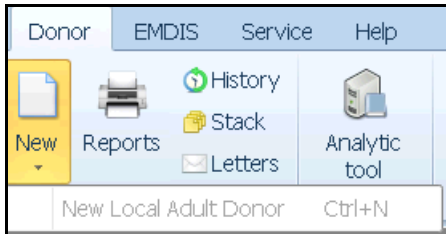
Status: 1:1 / 0:0

When cancelling the donor after donation, information of the transplantation can be entered in the tab TX: source, patient ID, patient name, patient Registry, date of collection and date of TX.

Even if the donor has been cancelled from the database, the data will be available for consultation and it is possible to enter consecutive transplantations for the same patient.

Donors reaching cancellation age (60 years) will be deleted automatically, the user will be informed by the Quality check.

II.IV. NEW DONOR



Go to donor command New Local Adult Donor Ctrl+N to register a new donor.

This menu includes the following tabs:

- ID,
- Medical,
- Status,
- TX,
- Address,
- Sero,
- DNA,
- IDM.

1. TAB ID

Registry: prefilled B

ION: prefilled 4201

The ION (Issuing Organization number) assigned by the ICCBBA.

GRID: Will be assigned by Prometheus.

Donor center: prefilled donor center code

Donor center ID: local Donor Center code, not mandatory (max. length 17 characters)

Data transferred on : prefilled date of today

Last name: please enter last name, not mandatory (max. length 30)

First name: please enter first name, not mandatory (max. length 30)

(E) Gender: please enter Gender, **mandatory**, EMDIS field (default value male)

(E) Birthdate: please enter birth date, **mandatory**, EMDIS field

Personal number: Social security number, not mandatory.

EMDIS Ethnic: Donor ethnic group:

AFNA = African: North Africa
AFSS = African: Sub-Sahara Africa
ASSW = Asian: Southwest Asia (Middle East, Turkey)
ASSO = Asian: Southern Asia (India, Pakistan, Bangladesh, Sri Lanka, Bhutan, Nepal)
ASCE = Asian: Central Asia (Eastern Russia, Kazakhstan, Uzbekistan, Kyrgyzstan, Tajikistan)
ASSE = Asian: Southeast Asia (China, Mongolia, Burma, Laos, Cambodia, Thailand, Vietnam, Taiwan)
ASNE = Asian: North and Northeast Asia (Japan, North Korea, South Korea)
ASOC = Asian: Oceania (Pacific Islands, excluding Japan, Australia, Taiwan, Sakhalin, Aleutian Islands)
CAEU = Caucasian: Mainland Europe, Greenland, Iceland, Western Russia
CAER = Caucasian: Eastern Russia
CANA = Caucasian: North America (USA, Canada, Mexico)
CAAU = Caucasian: Australia (Australia, New Zealand)
HICA = **Hispanic**: Central America, Caribbean
HISA = **Hispanic**: South America
MX = Mixed / multiple
OT = Other (e.g. Australian Aborigine)
UK = Unknown

To be able to be registered within the MDPB-R, donors must have passed their **18th birthday** but must not have passed their **40th birthday**.

The duration of the registration will be until the age of **60**. When a donor reaches the age of **60**, the status will change automatically to “**4 Donor deleted**”.

The identification code will be attributed by Prometheus after ending the donor registration:

New Prometheus numbering: **BE123456D**.

2.TAB MEDICAL

Press “**Medical**” to go to the following tab.

Donor type Marrow Donor

[E] ABO ?

[E] Rhesus ?

[E] Weight

[E] Height

[E] Number of transfusions ?

[E] Number of pregnancies ?

Blood donor ?

Date of last complete pregnancy

Is DNA available no

Is frozen blood available unknown

Is platelet donor no

Recruited by unknown

PageUp - previous page PageDown - next page

ID Medical Status TX Address Sero DNA IDM

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F3,right mouse button=selection table, +/-space, 0=?, 1=Cord Blood, 2=Marrow Donor

(E) = sent via EMDIS

- Donor type:** prefilled Marrow Donor
- (E) ABO:** 0.? - 1.O – 2.A – 3.B – 4.AB (optional field)
- (E) Rhesus:** 0.? - 1.+ - 2.- (optional field)
- (E) Weight:** value between 0-250 (optional field)
- (E) Height:** value between 0-300 (optional field)
- (E) Number of transfusions:** value between 0-9 or ? (optional field)
- (E) Number of pregnancies:** value between 0-9 or ? (optional field)
- Date of last pregnancy:** date (optional field) (new field)
- Blood donor:** yes or no (optional field)
- Is DNA available:** yes or no (optional field)
- Is frozen blood available:** 0. no – 1. yes – 2. unknown (optional field)
- Is platelet donor:** yes or no (optional field)
- Recruited by:** default value: unknown
 - 0. Unknown – 1. Associations – 2. Entourage - 3. Blood donor info –
 - 4. Press – 5. Website - 6. Other

3.TAB STATUS

The screenshot shows a 'New Donor' form with the following fields and controls:

- Donor status:** A dropdown menu with a question mark icon.
- Status from:** A dropdown menu followed by '[E] to' and another dropdown menu.
- [E] Status reason:** A dropdown menu with a question mark icon.
- Consent:** A dropdown menu with 'no' selected.
- [E] Reserv. - Patient ID:** A text input field with a search icon.
- External Comment:** A large text input field.
- Internal Comment:** A large text area with a vertical scrollbar.
- Navigation:** 'PageUp - previous page', 'PageDown - next page', 'OK + New', 'OK', 'Cancel', and '? F1' buttons.
- Breadcrumb:** A trail of tabs: ID, Medical, Status, TX, Address, Sero, DNA, IDM.
- Page Info:** '3 / 8' and navigation arrows.

- Donor status: cancellation and reservation rules are explained in chapter [II.III. Donor edit – consultation – update of donor](#) .
- Consent: mandatory field
following the MDPB-R SOP each potential volunteer donor should be, at a first stage, provided with a written document containing specific information on BM, PBSC donation to be specified in this field:
1. Yes (both BM, PBSC consent).
 2. Only PBSC consent
 3. Only BM consent.
- Reservation Patient ID: when a donor is reserved for a patient, the patient ID must be entered in this field. The information will be sent via EMDIS to inform the international Registry.
- External comment: information is not sent via EMDIS
- Internal comment: information from Syrenad has been uploaded into this field.
(*Fi. The history of Syrenad mailing letters generated in PDF*)

4.TAB TX

The transplantation data are not sent via EMDIS. After a transplantation took place, the source of cells (BM, CB, DLI, PBSC, Other), patient ID, patient name, patient Registry, date of collection, date of TX and TX center can be entered for 3 collections.

In case of more than 3 please put the info at the TX comment section.

0 ?
1 BM
2 CB
3 DLI
4 PBSC
5 DCB
6 MSC
7 NKC
8 Other
Cancel

5.TAB ADDRESS

Data not mandatory.


- Address:** enter street and number
- ZIP:** enter ZIP code or select to go to the select zip code screen: clicking on “description” will set the towns in alphabetical order.
- Town:** town selection via ZIP code.
- Country:** prefilled
- Secondary address:** data entry of additional address
- Phone: home – work – mobile**
- Email**

6.TAB SERO

For information about the serology typing input go to [I.II.4.5.a HLA data – serology](#). It is however not necessary to enter serology typing results, because of the molecular typing methods. Data entry of search determinant is not necessary.

7.TAB DNA

All typings done on a newly recruited donor must be done with molecular methods. All new donors must be at least HLA-A, B and C typed in low resolution (2 digits) and DRB1 typed in high resolution (4 digits).

List of valid values appear when clicking the dots  right from input field or by pressing F3. (only high resolution, intermediate codes must be entered manually).

For information about the DNA typing input go to I.II.5.4. HLA data – DNA.

Date of typing 1 – 2: fields where dates of typing can be entered.

Laboratory: HLA typing lab

New Donor OK Esc

[E] DNA

A*

B*

C*

DRB1*

DRB3*

DRB4*

DRB5*

DQB1*

DQA1* Date of typing 1

DPB1* Date of typing 2

DPA1* Laboratory BELABHILA

OK + New

PageUp - previous page PageDown - next page

7 / 8

ID / Medical / Status / IX / Address / Sero / DNA / IDM /

8.TAB IDM

This window screen allows to enter Infectious Disease Marker results; all fields are optional.

New Donor OK Esc

IDM

[E] CMV date Date of IDM test

[E] CMV ? [E] Toxoplasmosis ?

[E] EBV ?

HIV status ?

HIV p24 antigen ?

Hepatitis B status (hepatitis B surface antigen) ?

Hepatitis B status (antibody to hepatitis B surface antigen) ?

Hepatitis B status (antibody to hepatitis B core antigen) ?

Hepatitis C status (antibody to hepatitis C virus) ?

Lues status (Treponema pallidum) ?

ALT status [Units per litre]

Antibody to HTLV1.V2 ?

OK + New

PageUp - previous page PageDown - next page

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ID / Medical / Status / IX / Address / Sero / DNA / IDM /

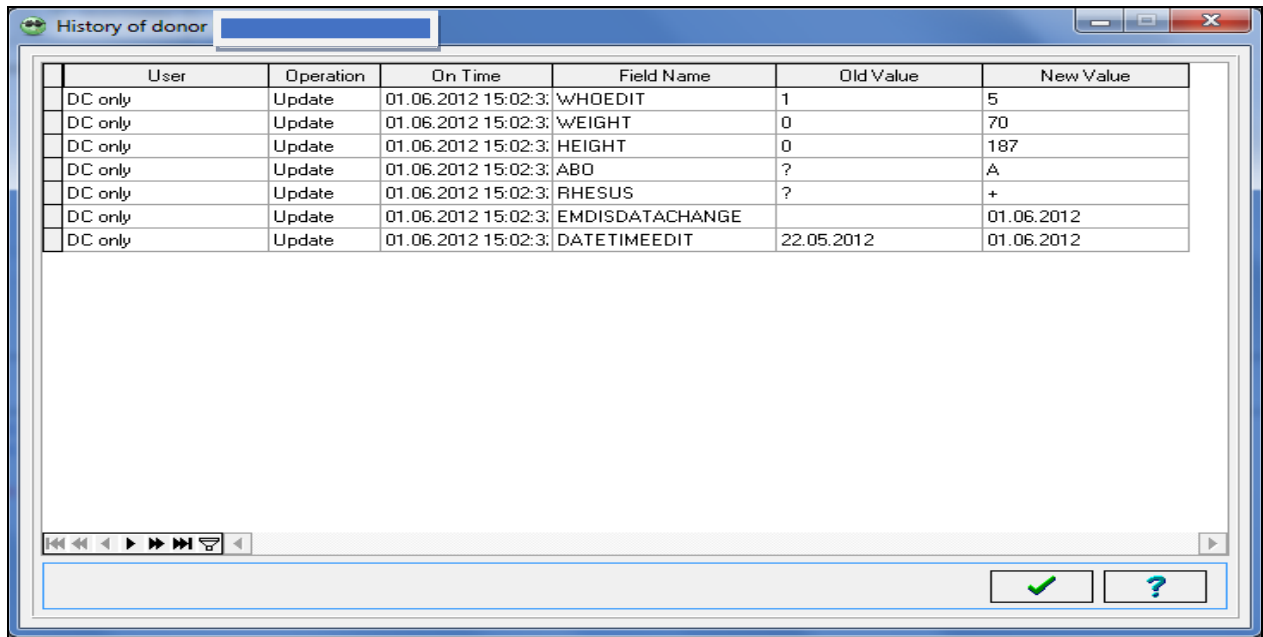
(E) CMV date: if the CMV value is given, CMV date is mandatory

(E) CMV: 0. ?

	<ol style="list-style-type: none">1. Both negative2. unclear3. IgG-posit; IgM-negat4. IgG-negat; IgM-posit5. both positive6. IgG or IgM posit7. IgG posit; IgM not tested8. IgG negat; IgM not tested
Date of IDM test:	IDM test date is mandatory when IDM test results are given
(E) Toxoplasmosis:	<ol style="list-style-type: none">0. ?1. Both negative2. unclear3. IgG-posit; IgM-negat4. IgG-negat; IgM-posit5. both positive6. IgG or IgM posit7. IgG posit; IgM not tested8. IgG negat; IgM not tested
(E) EBV:	<ol style="list-style-type: none">0. ?1. Both negative2. unclear3. IgG-posit; IgM-negat4. IgG-negat; IgM-posit5. both positive6. IgG or IgM posit7. IgG posit; IgM not tested8. IgG negat; IgM not tested
HIV status:	0.? – 1.Positive – 2.Negative – 3.Questionable
HIV p24 antigen:	0.? – 1.Positive – 2.Negative – 3.Questionable
Hepatitis B status (hepatitis B surface antigen):	0.? – 1.Positive – 2.Negative – 3.Questionable
Hepatitis B status (antibody to hepatitis B core antigen):	0.? – 1.Positive – 2.Negative – 3.Questionable
Hepatitis C status (antibody to hepatitis C virus):	0.? – 1.Positive – 2.Negative – 3.Questionable
Lues status (Treponema pallidum):	0.? – 1.Positive – 2. Negative – 3. Questionable
ALT status (units per litre):	value from 0 to 999
Antibody to HTLV1.V2:	0.? – 1.Positive – 2.Negative – 3.Questionable

II.V. DONOR DATA CHANGE HISTORY

The history of donor data change is called up by the menu command  . Open the donor's record and then go to "donor – history". If a history for the donor 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.



User	Operation	On Time	Field Name	Old Value	New Value
DC only	Update	01.06.2012 15:02:3	WHOEDIT	1	5
DC only	Update	01.06.2012 15:02:3	WEIGHT	0	70
DC only	Update	01.06.2012 15:02:3	HEIGHT	0	187
DC only	Update	01.06.2012 15:02:3	ABO	?	A
DC only	Update	01.06.2012 15:02:3	RHESUS	?	+
DC only	Update	01.06.2012 15:02:3	EMDISDATACHANGE		01.06.2012
DC only	Update	01.06.2012 15:02:3	DATEIMEEDIT	22.05.2012	01.06.2012

Donor data change history


History window description

Title bar:	donor 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.

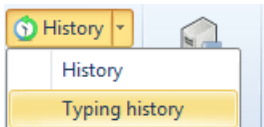
Termination

Press  or  to terminate the history window screen.

II.VI. HLA « DATA TYPING HISTORY »

A new functionality is the “HLA data typing history”. **This tool is only available for consultation purposes.**

Press “HLA” to open the “Data typing history window screens”. Another option is to open the window screens by the History tab:



In this window screen typing updates are logged and discrepant typings are better illustrated:

Data typing history																				
A	B	C	DR	DQ	DRW	A*	B*	C*	DRB1	DRB3	DRB4	DRB5	DQA1	DQB1	DPA1	DPB1	Typing center	User	Typi	
																	Typing date	Record Date		
						01:ABGEP	35:ABGFE	05:AESTD	01:AETTD					05:ADPFS		04:AETTB	PAST CONSE	TRKUL	TRLIE	[E
						02:NPJC	44:AAAVY	16:04:01	13:02:01					06:YGKU			15/02/2017	15/02/2017	16:34	
						03:01	35:ABGFE	05:AESTD	01:AETTD					05:ADPFS		04:AETTB		TRKUL	TRLIE	[E
						03:01	44:AAAVY	16:04:01	13:02:01					06:YGKU			15/02/2017	16:34	15/02/2017	16:34
Discrepancy: A, A*01:ABGEP,02:NPJC >>> A, A*03:01,03:01																				
						03:01	35:ABGFE	05:AESTD	01:AETTD					05:ADPFS		04:AETTB	CONSENSUS	TRKUL	TRLIE	[E
						03:01	44:AAAVY	16:04:01	13:02:01					06:YGKU			15/02/2017	15/02/2017	16:34	
Discrepancy: A, A*01:ABGEP,02:NPJC >>> A, A*03:01,03:01																				

Typing update: the new typings are logged: discrepancy is explained.

Data typing history																				
A	B	C	DR	DQ	DRW	A*	B*	C*	DRB1	DRB3	DRB4	DRB5	DQA1	DQB1	DPA1	DPB1	Typing center	User	Typi	
																	Typing date	Record Date		
						01:ABGEP	35:ABGFE	05:AESTD	01:AETTD					05:ADPFS		04:AETTB	PAST CONSE	TRKUL	TRLIE	[E
						02:NPJC	44:AAAVY	16:04:01	13:02:01					06:YGKU			15/02/2017	15/02/2017	16:34	
						03:01	35:ABGFE	05:AESTD	01:AETTD					05:ADPFS		04:AETTB		TRKUL	TRLIE	[E
						03:01	44:AAAVY	16:04:01	13:02:01					06:YGKU			15/02/2017	16:34	15/02/2017	16:34
Discrepancy: A, A*01:ABGEP,02:NPJC >>> A, A*03:01,03:01																				
						03:01	35:ABGFE	05:AESTD	01:AETTD					05:ADPFS		04:AETTB	CONSENSUS	TRKUL	TRLIE	[E
						03:01	44:AAAVY	16:04:01	13:02:01					06:YGKU			15/02/2017	15/02/2017	16:34	
Discrepancy: A, A*01:ABGEP,02:NPJC >>> A, A*03:01,03:01																				

Copy of the previous lines, this means that the entry has been validated.

II.VII. VALIDATE

II.VII.1. Records to be validated

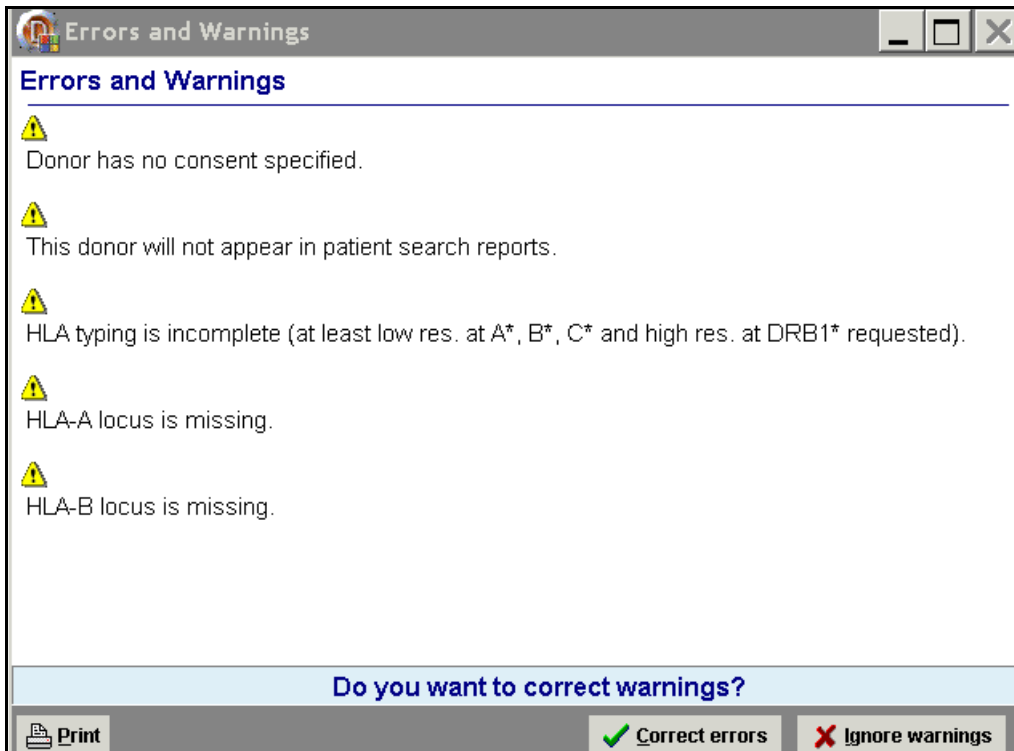
II.VII.1.a. Validation of a new registered donor

After a donor registration a donor record must be validated in the national database before the record will be available in EMDIS: the record will receive “**HLA/DNA to be validated**” status. (before validating the donor’s record must be opened, via select).

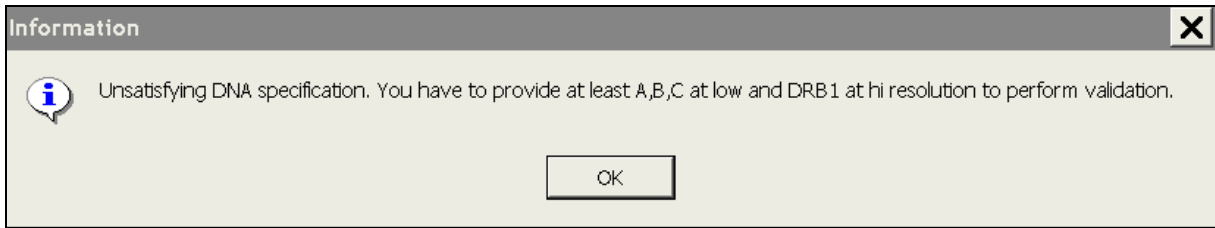
Donor	MD	Status Available	Local center ID	
Registry B	Pers. num.	Center BED	ABO, RH ? ?	
Name Aa Aa	Phone		Mobile phone	
Address	Town	Date of birth		
	ZIP	Country BE		
E-mail				
A*01:01	B*15:01	C*03:04:01:01	DRB1*01:01	DRB345
01:01	15:01	03:04:01:01	01:01	
DQ				
DQA1*				
DPB1*				
Comment				
Record changed on 04.04.2014 at 14:40 by H. Broos				
Record inserted on 04.04.2014 at 14:40 by H. Broos				
<div style="border: 1px solid red; padding: 2px; display: inline-block;"> HLA/DNA to be validated </div>				
First validation				


VALIDATION RULES

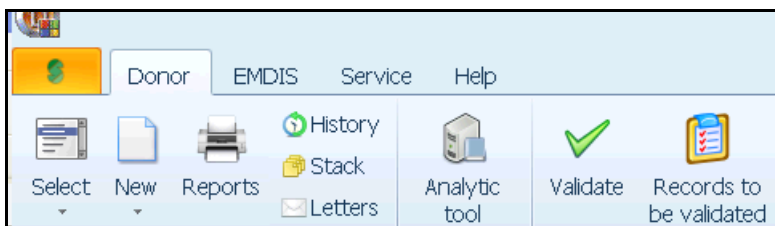
It is possible to register a donor without any typing: Prometheus will display yellow warnings, which can be passed. As long as a donor has not been properly validated, the donor will not be sent by EMDIS and will not be available for patient search reports:



When you try to validate this specific donor, the following alert will be displayed :



Go to the **“donor”** menu and press  :



The following validation screen will be opened for entry of the typing fields by double blind input:

A validation screen titled "BE - validation of DNA/HLA values". The screen has a light blue background. It is divided into two main sections: "Serology" and "DNA".
Serology :
HLA - A : [input field] [input field]
HLA - B : [input field] [input field]
HLA - C : [input field] [input field]
HLA - DR : [input field] [input field]
HLA - DQ : [input field] [input field]
DNA :
A* : [input field] [input field]
B* : [input field] [input field]
C* : [input field] [input field]
DRB1* : [input field] [input field]
DRB3* : [input field] [input field]
DRB4* : [input field] [input field]
DRB5* : [input field] [input field]
DQB1* : [input field] [input field]
DQA1* : [input field] [input field]
DPB1* : [input field] [input field]
DPA1* : [input field] [input field]
At the bottom left is a "Check all" button. At the bottom right are "OK" and "Cancel" buttons.

BE - validation of DNA/HLA values

Serology :

HLA - A :	2	24
HLA - B :	40	51
HLA - C :		
HLA - DR :	113	14
HLA - DQ :		

DNA :

A* :	02:DFKP	24:CWFP
B* :	40:AZAY	51:CVAE
C* :	01:FJCP	03:AXM
DRB1* :	13:02:01	14:BCAD
DRB3* :		
DRB4* :		
DRB5* :		
DQB1* :	05:03:01	06:MPP
DQA1* :		
DPB1* :		
DPA1* :		

Check all

The “**check all**” button will be available as soon as all applicable fields have been entered:
 Press “**check all**” to check the validation – if the validation is correct, all fields will be highlighted in green.

BE - validation of DNA/HLA values

Serology :

HLA - A :	2	24
HLA - B :	40	51
HLA - C :		
HLA - DR :	13	14
HLA - DQ :		

DNA :

A* :	02:DFKP	24:CWFP
B* :	40:AZAY	51:CVAE
C* :	01:FJCP	03:AXM
DRB1* :	13:02:01	14:BCAD
DRB3* :		
DRB4* :		
DRB5* :		
DQB1* :	05:03:01	06:HPP
DQA1* :		
DPB1* :		
DPA1* :		

Check all

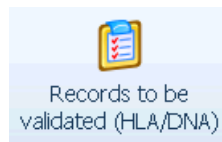
Press OK, to confirm the validation and the record is validated.

Comment	
Record changed on	04.04.2014 at 14:43 by H. Broos
Record inserted on	04.04.2014 at 14:40 by H. Broos
HLA/DNA validated on	04.04.2014 at 14:43 by H. Broos
First validation	04.04.2014

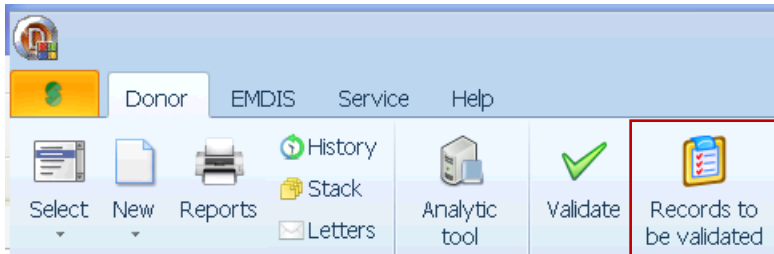
The HLA/DNA validation date will be displayed on the donor record file (will be updated when validating further HLA typing updates). The first validation date will be available.

II.VII.1.b. Validation of typing update

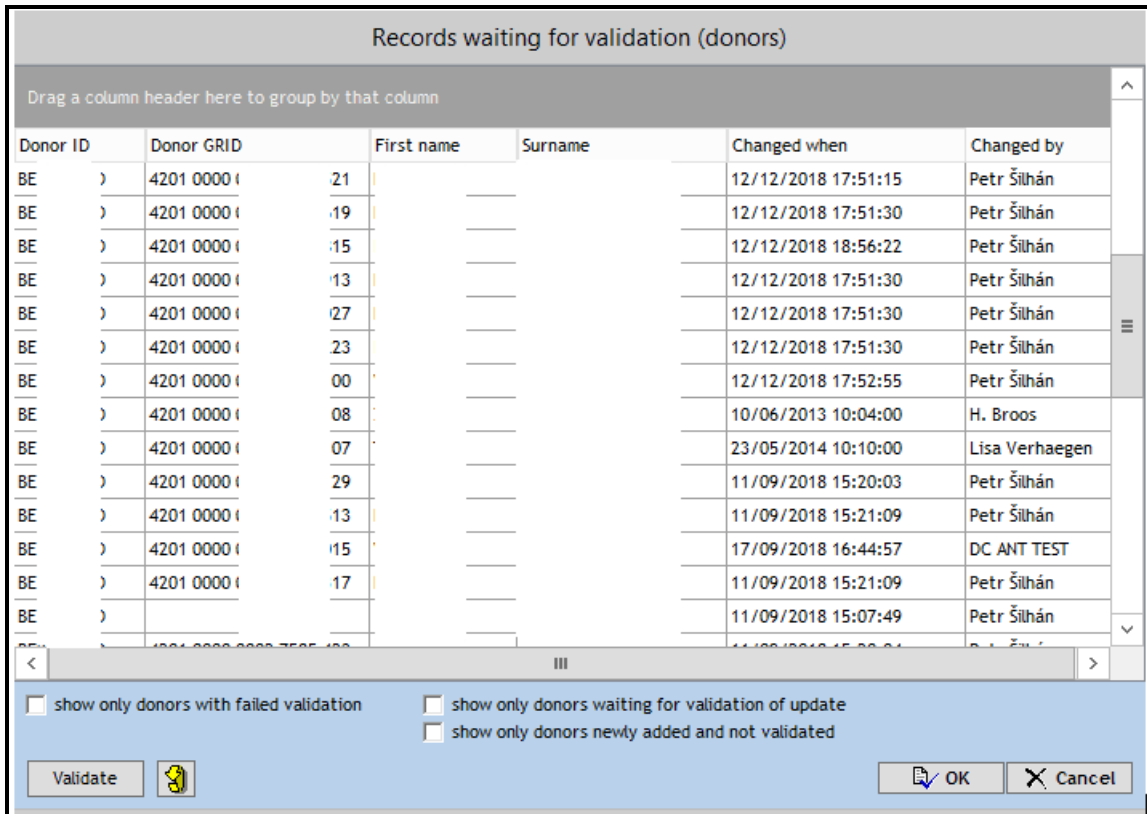
After a typing update the records waiting for validation will be offered in a table after selection of the



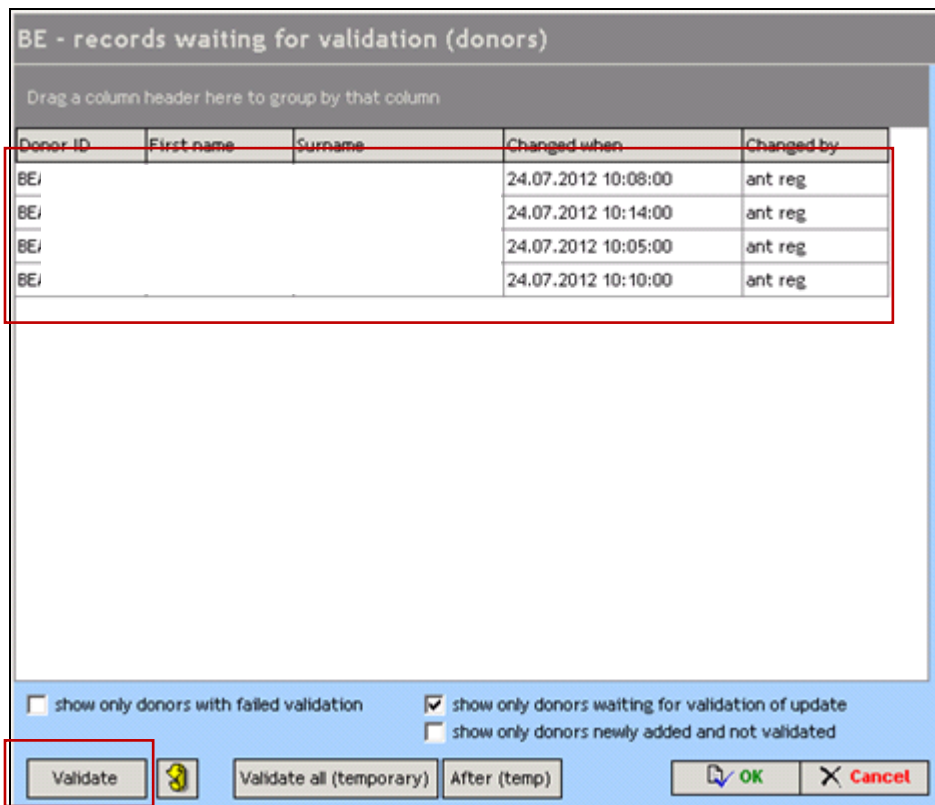
“Donor menu” and then



Tick show only donors waiting for validation of update will display the updated donors waiting for validation:



Select the donor you wish to validate, then press “**validate**”:



The following screen will be displayed for data entry:

BE - validation of DNA/HLA values

Serology :

DNA :

A* :

DQB1* :

Blank fields will be offered, all fields have to be filled before the “**check all**” button will become visible:

BE - validation of DNA/HLA values

Serology :

DNA :

A* :

DQB1* :

Press “**Check all**”:

BE - validation of DNA/HLA values

Serology :

	11		24
	39		44
	8		

DNA :

A* : 11:01 11:01 24:02 24:02
 39:XX 44:XX
 07:XX 16:XX
 08:01

DQB1* : 03:01 03:01 03:06 03:06


The correct validated fields will be highlighted in green, then press OK to terminate the validation.

BE - records waiting for validation (donors)

Drag a column header here to group by that column

Donor ID	First name	Surname	Changed when	Changed by
BE:			24.07.2012 10:08:00	ant reg
BE:			24.07.2012 10:14:00	ant reg
BE:			24.07.2012 10:05:00	ant reg
BE:			24.07.2012 10:10:00	ant reg

show only donors with failed validation show only donors waiting for validation of update
 show only donors newly added and not validated


Click  to refresh the window screen, the validated record will disappear from the list.

BE - records waiting for validation (donors)

Drag a column header here to group by that column

Donor ID	First name	Surname	Changed when	Changed by
BE			24.07.2012 10:14:00	ant reg
BE			24.07.2012 10:05:00	ant reg
BE			24.07.2012 10:10:00	ant reg

show only donors with failed validation
 show only donors waiting for validation of update
 show only donors newly added and not validated

Validate 
 Validate all (temporary) After (temp)

Note: in case of a typing update it is recommended to validate the typing as soon as possible. As the record is linked by EMDIS to patients, the old value will still be sent out by updates as long as the update has not been validated.

II.VII.2. Failed validation

II.VII.2.a. Failed validation of new registered donor

As double blind data entry includes data typed one individual, and then typed by second individual (in case of single managed profile, by the same user again), differences will be noted in red after pressing the “**check all**” button.

Before validating the donor record must be opened: go to “**Donor**” “**Validate**”: the following screen will be opened:

BE - validation of DNA/HLA values

Serology :

HLA - A :	<input type="text"/>	<input type="text"/>
HLA - B :	<input type="text"/>	<input type="text"/>
HLA - C :	<input type="text"/>	<input type="text"/>
HLA - DR :	<input type="text"/>	<input type="text"/>
HLA - DQ :	<input type="text"/>	<input type="text"/>

DNA :

A* :	<input type="text"/>	<input type="text"/>
B* :	<input type="text"/>	<input type="text"/>
C* :	<input type="text"/>	<input type="text"/>
DRB1* :	<input type="text"/>	<input type="text"/>
DRB3* :	<input type="text"/>	<input type="text"/>
DRB4* :	<input type="text"/>	<input type="text"/>
DRB5* :	<input type="text"/>	<input type="text"/>
DQB1* :	<input type="text"/>	<input type="text"/>
DQA1* :	<input type="text"/>	<input type="text"/>
DPB1* :	<input type="text"/>	<input type="text"/>
DPA1* :	<input type="text"/>	<input type="text"/>

Enter the data waiting for validation, all data need to be entered before the “**check all**” button will be displayed:

BE - validation of DNA/HLA values

Serology :

HLA - A :	<input type="text" value="3"/>	<input type="text" value="2"/>
HLA - B :	<input type="text" value="35"/>	<input type="text" value="44"/>
HLA - C :	<input type="text"/>	<input type="text"/>
HLA - DR :	<input type="text" value="1"/>	<input type="text" value="13"/>
HLA - DQ :	<input type="text"/>	<input type="text"/>

DNA :

A* :	<input type="text" value="03:NHUW"/>	<input type="text" value="02:XX"/>
B* :	<input type="text" value="35:XX"/>	<input type="text" value="44:XX"/>
C* :	<input type="text" value="04:01"/>	<input type="text" value="05:JFMD"/>
DRB1* :	<input type="text" value="01:01"/>	<input type="text" value="13:02"/>
DRB3* :	<input type="text"/>	<input type="text"/>
DRB4* :	<input type="text"/>	<input type="text"/>
DRB5* :	<input type="text"/>	<input type="text"/>
DQB1* :	<input type="text"/>	<input type="text"/>
DQA1* :	<input type="text"/>	<input type="text"/>
DPB1* :	<input type="text"/>	<input type="text"/>
DPA1* :	<input type="text"/>	<input type="text"/>

Press “**select all**” to have the system compared the entered data:

BE - validation of DNA/HLA values

Serology :				680826
HLA - A :	3	2		
HLA - B :	35	44		
HLA - C :				990
HLA - DR :	1	13		
HLA - DQ :				
DNA :				PB1 *
A* :	03:NHLW	03:NHLW	02:XX	02:XX
B* :	05:XX	05:XX	44:XX	44:XX
C* :	04:01	04:JRJW	05:JFMD	05:JFMD
DRB1* :	01:01	01:01	13:02	13:02
DRB3* :				
DRB4* :				
DRB5* :				
DQB1* :				

Information ✕

DNA verification found 1 discrepancies. They are marked by red color. Verification failed.

If not all data are correct: the system will display an alert, the discrepancies will be highlighted in red. If the validator made a mistake, he or she can then correct, press **“check all”**, and the DNA verification will be done again. The record will be approved for validation and gets status **“HLA/DNA validated”**.

If the initial data entry is not correct the following steps are to be followed:

Press **“OK”** to go to the validation window:

BE - validation of DNA/HLA values

Serology :

HLA - A :	3	3	2	2
HLA - B :	35	35	44	44
HLA - C :				
HLA - DR :	1	1	13	13
HLA - DQ :				

DNA :

A* :	03:NHLJW	03:NHLJW	02:XX	02:XX
B* :	35:XX	35:XX	44:XX	44:XX
C* :	04:01	04:JRJW	05:JFMD	05:JFMD
DRB1* :	01:01	01:01	13:02	13:02
DRB3* :				
DRB4* :				
DRB5* :				
DQB1* :				
DQA1* :				
DPB1* :				
DPA1* :				

The C DNA value should be 04:01, the individual responsible for initial data input should be informed: press **“failed validation”** to return the record for data input.

BE - validation of DNA/HLA values

Serology :

HLA - A :	3	3	2	2
HLA - B :	35	35	44	44
HLA - C :				
HLA - DR :	1	1	13	13
HLA - DQ :				

DNA :

A* :	03:NHLJW	03:NHLJW	02:XX	02:XX
B* :	35:XX	35:XX		
C* :	04:01	04:JRJW		
DRB1* :	01:01	01:01		
DRB3* :				
DRB4* :				
DRB5* :				
DQB1* :				
DQA1* :				
DPB1* :				
DPA1* :				

680826

 990

 PB1*

Confirm ✕

Do you confirm the failed validation ?

Press **“yes”** for confirmation.

Donor

Donor Record | EMDIS messages [0] | Attached Files [0] | Donor Notes [-] | Letter history [0]

Donor: MD Status Available Local center ID
 Registry B Pers. num. Center BEDON ABO, RH ? ?
 Name Cccc Cccc Phone Mobile phone
 Address Town Date of birth
 ZIP Country BE
 E-mail

A*01:01 B*15:01 C*03:04:01:01 DRB1*01:01 DRB345 DQ DQA1* DPB1*
 01:01 15:01 01:02:01 01:01

Comment

Record changed on 04.04.2014 at 14:55 by H. Broos
 Record inserted on 04.04.2014 at 14:55 by H. Broos

HLA/DNA validation failed
 First validation

The record will have status **“HLA/DNA validation failed”**: the record will not be available in EMDIS in this stage.

The records with failed validation, waiting for validation will be listed in the following table when pressing **“Y”**:

BE - records waiting for validation (donors)

Drag a column header here to group by that column

Donor ID	First name	Surname	Changed when	Changed by
BEL			23.07.2012 11:20:00	DC UCL

show only donors with failed validation
 show only donors waiting for validation of update
 show only donors newly added and not validated


Click the cursor on the donor you wish to correct and double click to open the donor’s record and then press **“OK”**:

BE - records waiting for validation (donors)

Drag a column header here to group by that column

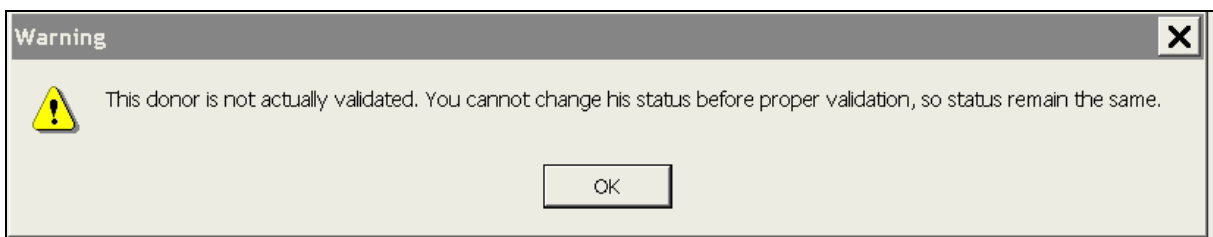
Donor ID	First name	Surname	Changed when	Changed by
			23.07.2012 11:20:00	DC UCL

show only donors with failed validation
 show only donors waiting for validation of update
 show only donors newly added and not validated



Your donor record needs to be validated again and will get status **“HLA/DNA to be validated”** again. The validation flow as explained in [chapter II.VII.I.](#) will be applicable again.

A donor availability status cannot be changed as long as the record has not been validated, you will be informed by the following warning:




II.VI.2.b. Failed validation of typing update

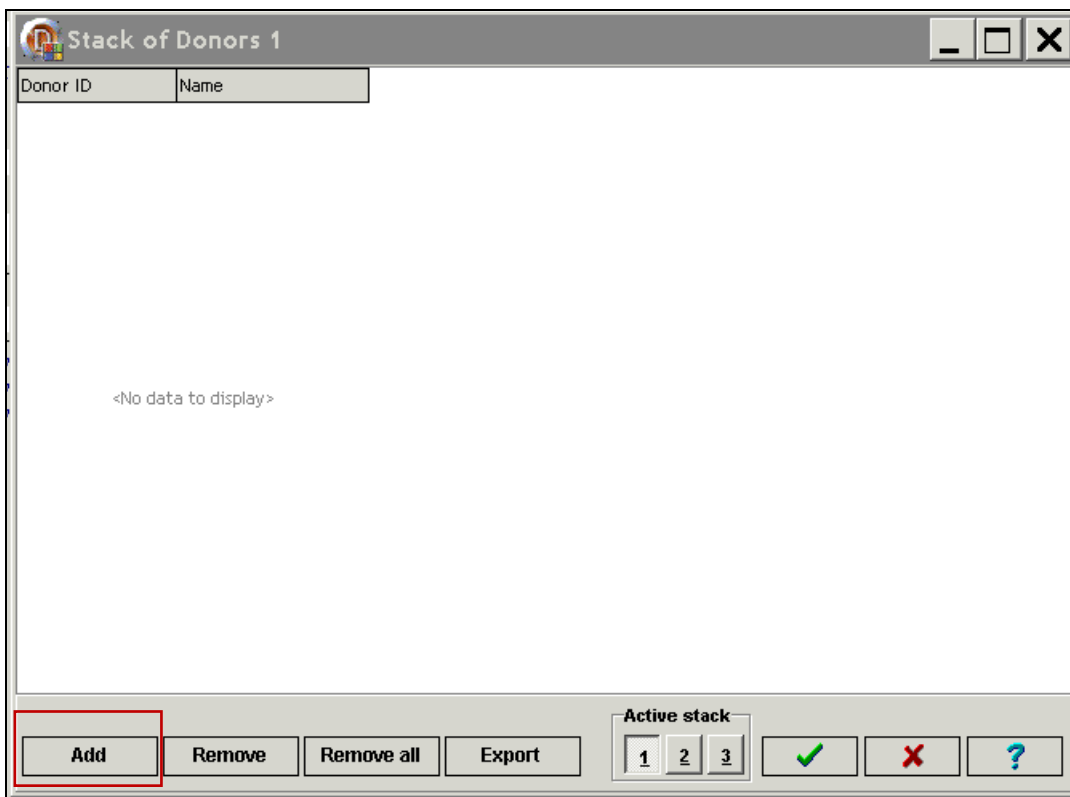
The discrepancy discovered when validating a typing update follows the same process flow. The failed validation will be also be displayed in the **“update record with failed validation”**.

II.VIII. STACK

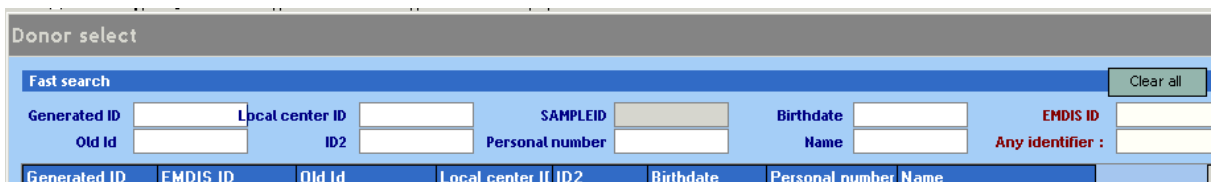
The donor stack allows working with more donors together and is mainly used when printing donor reports. The content of a donor stack (set of donors) is saved in a database - it means that the content will stay saved even after termination and restart of the program. Each user works with his own donor stack: each user has at his disposal three sets (stacks) of donors, 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 donor to the stack;
- Remove:** removes a selected donor from the active stack, the donor is deleted from the stack, but will not be cancelled from the donor database;
- Remove all:** deletes all donors from the active stack;
- Export:** enables to export your data to an external excel – text – html – xml file.

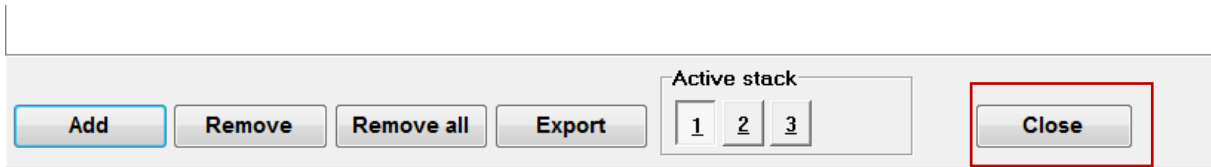
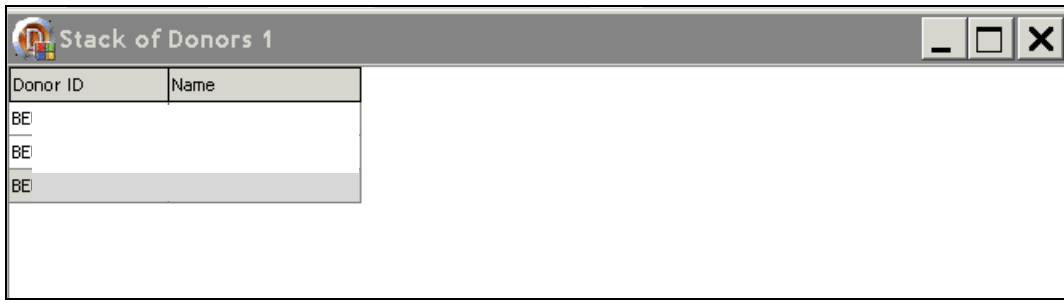
You can open the donor stack through the use of the button . The following screen will be opened:



Press “**Add**” to add a donor to the donor stack, the following screen will be opened:



Enter the donor code or search via the donor select option the donor you wish to add to the stack:



Press “close” 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.IX. REPORTS



The menu of print reports can be called up by the menu button :

Donor reports (active stack: 1)

Pos	Name	Description	FileType
1	DONREP003	HLA + Status + DOB (selected donor)	.rep
2	DONREP004	All information + Medical(Selected donor)	.rep
3	DONREP005	Donor Header 2 (Selected donor)	.rep
4	DONREP010	HLA + Status + Name (stack)	.rep
5	DONREP011	HLA + Status + DOB (stack)	.rep
6	DONREP012	HLA + Status + Pers.num. + Name (stack)	.rep
7	DONREP013	HLA + DOB (stack)	.rep
8	DONREP014	HLA + Status (stack)	.rep
9	DONREP030	Addresses of donors (stack)	.rep
10	DONREP031	Stack of Donors (stack)	.rep
11	DONREP060	Reserved donors (special)	.rep
12	DONREP061	Temporary Unavailable donors (special)	.rep
13	DONREP062	Adult Donor Status Report (special)	.rep
14	DONREP063	Donor HLA Count Report (special)	.rep
15	DONREP064	WMDA Donor Gender and Age Report (special)	.rep
16	DONREP066	Donor Centers Report (special)	.rep
17	DONREP067	CBU Status Report (special)	.rep
18	DONREP153	Letter labels donor report	.rep
19	DONREP171	Cord Blood Unit report - BE	.fr3

Navigation controls: [Home] [Left] [Right] [End] [Home] [Left] [Right] [End] [Home] [Left] [Right] [End] [Home] [Left] [Right] [End] [Home] [Left] [Right] [End]

Buttons: [OK] [Cancel]

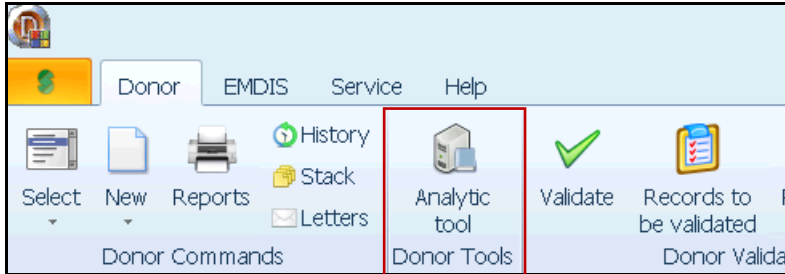
Report Name	Description
▶ DONREP001.REP	All information + Medical(Selected donor)
DONREP002.REP	Donor header (selected donor)
DONREP003.REP	HLA + Status + DOB (selected donor)
DONREP005.REP	Donor Header 2 (Selected donor)
DONREP010.REP	HLA + Status + Name (stack)
DONREP011.REP	HLA + Status + DOB (stack)
DONREP012.REP	HLA + Status + Pers.num. + Name (stack)
DONREP013.REP	HLA + DOB (stack)
DONREP014.REP	HLA + Status (stack)
DONREP030.REP	Addresses of donors (stack)
DONREP031.REP	Stack of Donors (stack)
DONREP032.FR.3	Addresses of donors in Editor (stack)
DONREP032.REP	Addresses of donors in Editor (stack)
DONREP060.REP	Reserved donors (special)
DONREP061.REP	Temporary Unavailable donors (special)
DONREP062.REP	Adult Donor Status Report (special)
DONREP063.REP	Donor HLA Count Report (special)
DONREP064.REP	WMDA Donor Gender and Age Report (special)
DONREP065.REP	Donor Ethnic Report (special)
DONREP066.REP	Donor Centers Report (special)
DONREP067.REP	CBU Status Report (special)
DONREP068.REP	Donor Ethnic and HLA typings report (special)
DONREP151.FR.3	Basic IDM report(selected donor)
DONREP152.REP	IDM report
DONREP153.REP	Letter labels donor report
DONREP170.REP	LYRT004 - Donor information report
DONREP171.FR.3	Cord Blood Unit report - BE
DONREP171.REP	IVRT004 - Unit report
DONREP180.REP	DONOR TYPING REPORT
DONREP181.REP	IDM report

In the window screen below, information about the report is provided.

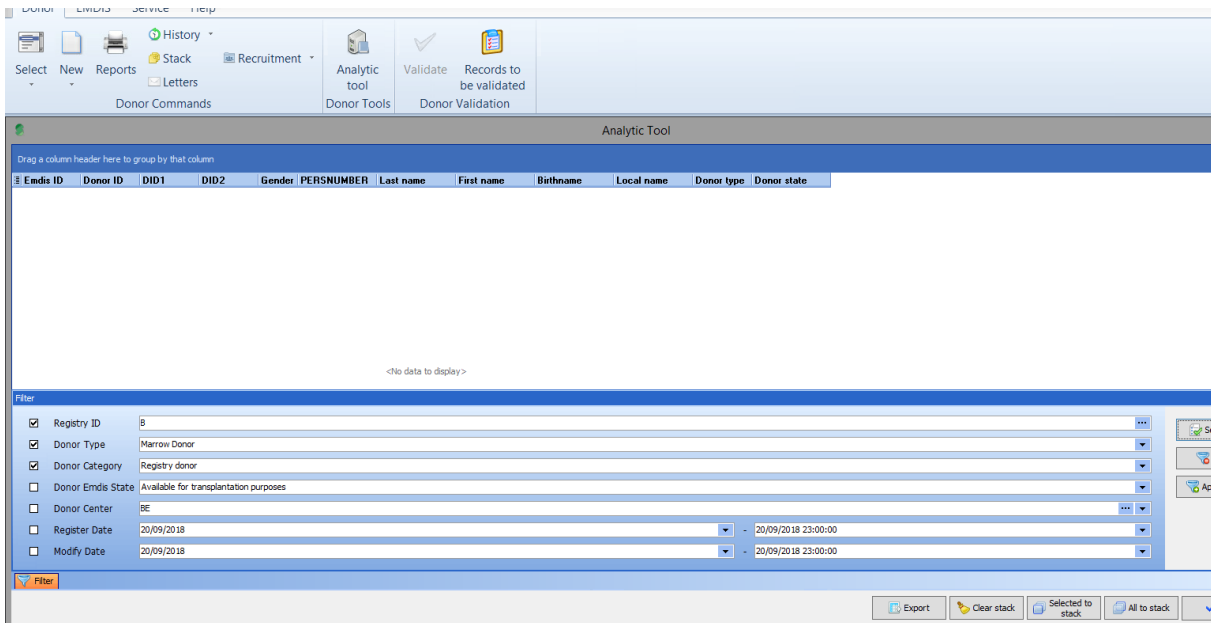
All information + Medical(Selected donor)
 Version 5
 All
 This report works with the selected donor.
 All information with Medical info.

II.X ANALYTICAL TOOL

Your donor available for analysis via the software tool donor tools (main m Analytic tool). Click on “Analytical tool”:



The following screen will be opened:



It is possible to specify certain parameters to limit the amount of data loaded from the database and to speed up the loading process.

First use the check-boxes to select which parameter to apply before loading the data. Buttons: **Select all** and **Clear** work only with the check-boxes.

Button **Apply filter** starts loading donors from database to the analytic tool.

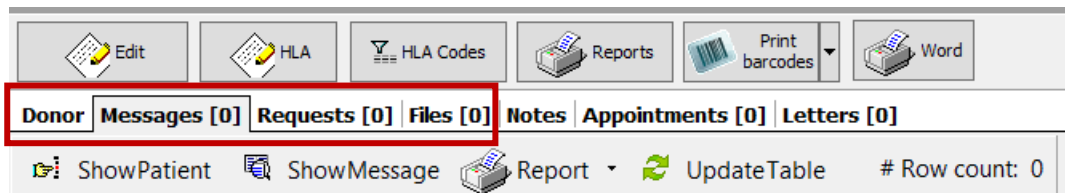
III. CORD BLOOD MENU

In version 184 the cord dataset includes the extended EMDIS cord dataset, and the cord window screens have been updated consequently.

The explanation of the EMDIS cord data are explained in the latest version of the EMDIS cord Data Dictionary and the latest version of the Mapping version of the CBU EMDIS cord import.

III.I. SELECT

Cord blood selection follows same rules as applicable for the donor: donor select is explained in [chapter I.II.2. Quick select buttons.](#)



Notes – Appointments – Letters : are not applicable for cord bloods.

III.II. CLOSE




Select Donor Close or F2 or press  to end the donor editing.

III.III. EDIT – CONSULTATION – UPDATE OF CORD BLOOD RECORD

Edit can be used for consulting the cord blood record, change data (medical, availability, ... and change the availability status (Prometheus does not allow to delete any record).

If there is a change of HLA data (sero – DNA) the record must be validated. Validation rules are explained in [chapter II.VII. Validate.](#)



Press  to open the cord blood record: the ID tab will be opened (other tabs are Status – TX – Address – Sero – DNA – CBU).

1.TAB ID

Basic cord blood data:

Basic donor data (cord bloods)

Bag ID

Registry ID ... [E] ION ... Donor Center ...

[E] Birthdate ... CBB manufacturer ID ...

Collection date ... CBB distributor ID ...

Gender ... CBB Maternal donor ID

EMDIS Ethnic

ABO

Rhesus ... Record inserted

PageUp - previous page PageDown - next page

\ID\Status\HLA DNA\CBU vo\CBU IDM\Mother\Maternal DNA/

2.TAB STATUS

This screen serves to manage the cord availability status

a. Temporarily unavailable

Edit CBU /

Cord blood status

Status

Status from

[E] Status reason

Consent

[E] Reserv. - Patient ID

External Comment

Internal Comment

PageUp - previous page PageDown - next page

When the cord has been requested for additional typing or shipment of a DNA sample, the user must change the availability status to “2 Temporarily unavailable”, and reserve the cord for a period of 60 days cfr MDPB-R SOP:

Click on the actual month to display the drop list and select the month 60 days ahead to enter the end of availability date:

Edit CBU / OK Esc

Cord blood status

Status: Donor reserved

Status from: 12.07.2012 [E] to 12.07.2016

[E] Status reason: ?

Consent: yes

[E] Reserv. - Patient ID: _____

External Comment: _____

Internal Comment: _____

1:1 / 0:0

OK Cancel ? F1

PageUp - previous page PageDown - next page

It is mandatory to put a status reason. You need to choose "9 Other reason".

Edit CBU / OK Esc

Cord blood status

Status: Temporarily unavailable

Status from: 06.12.2012 [E] to 06.02.2013

[E] Status reason: ?

Consent: 1 Donor is too old
2 Donor died
3 Medical reasons
4 Personal reasons
5 After transplantation
6 Donor has moved
7 Unable to contact
8 No sample available (only CBU's)
9 Other reasons
A Typing questionable
B Unknown
C HLA mismatch
D Pregnancy
E Emigrated
F Duplicate

[E] Reserv. - Patient ID: _____

External Comment: _____

Internal Comment: _____

OK Cancel ? F1

PageUp - previous page PageDown - next page

b. Reservation

When a TC is requiring a reservation of a unit you need to edit the status into "3 Donor reserved".

It is mandatory to enter the reservation period by indicating the start date and the end date of reservation.

Click on the actual month to display the drop list and select the month 60 days ahead to enter the end of availability date:

There will be an alert for CBU reservation expiration via the system (warnings: donor database quality check).

It's mandatory to enter the patient ID for which the CBU is reserved, the message will be sent via EMDIS. The HUB of the patient will be informed consequently.

The screenshot shows the 'Edit CBU' window with the following fields and values:

- Status:** Donor reserved
- Status from:** 06.12.2012 [E] to 06.02.2013
- [E] Status reason:** Other reasons
- Consent:** yes
- [E] Reserv. - Patient ID:** (empty field with a search icon)
- External Comment:** (empty text area)
- Internal Comment:** (empty text area)

Buttons at the bottom right: OK, Cancel, F1. Navigation links at the bottom left: PageUp - previous page, PageDown - next page.

c. Cancellation

When a cord blood has been shipped for transplantation, the record must be set to deleted status, otherwise the cord search results will be sent out for national and international patients. (in Prometheus the record will not be deleted but receive the status 'deleted'.)

The screenshot shows the 'Edit CBU' window with the following fields and values:


- Status:** Donor deleted
- Status from:** (empty) [E] to (empty)
- [E] Status reason:** After transplantation
- Consent:** yes
- [E] Reserv. - Patient ID:** (empty field with a search icon)
- External Comment:** (empty text area)
- Internal Comment:** (empty text area, 1:1 / 0:0)

Buttons at the bottom right: OK, Cancel, F1.

The information will be sent out via EMDIS.

Go to the tab TX to add complementary information in the cord blood delivery field.

3. TAB HLA DNA

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

For information about the serology typing go to [chapter I.II.4.5.a HLA data – serology](#)

For information about the DNA typing input go to [chapter I.II.4.5.b HLA data – DNA](#).

4. TAB CBU vo

The NVC/TNC values under cord blood unit – BMDW are the data exported to BMDW.

5. TAB CBU IDM

The screenshot shows a software window titled "Edit CBU / BE" with a standard Windows-style title bar (OK, Esc). The window contains a form with the following fields and values:

- Process date: 04.05.2001
- Process method: Other
- Process meth. type: Optipress II
- Freeze date: 04.05.2001
- Freeze method: Controlled Rate
- Prod. mod.: Plasma and RBC Reduced
- No. bags: 1
- Bag type: 80:20
- Hemo status: Can be done at time of release
- Viability (%): 62
- Viability date: 03.09.2001
- ATT SEG: 1
- Other sample: Yes
- DNA sample: Yes
- VT date: (empty)
- Sample type: CBU Contiguous Attached Segment
- HBS Antigen: ?
- ANTI HBC: ?
- ANTI HCV: ?
- ANTI HIV 12: ?
- HIV 1 NAT: ?
- HIV p24 AG: ?
- HCV NAT: ?
- Antibody to HTLV: ?
- Syphilis (TPHA): ?
- WNV: ?
- Chagas: ?
- EBV: ?
- TOXO: ?
- HBV NAT: ?
- CMV NAT: ?
- PB19 NAT: ?
- CMV: ?
- Bact. culture: Negative
- Fungal culture: Negative
- CMV date: (empty)
- ALT [Units per litre]: (empty)

At the bottom of the window, there are navigation buttons: "PageUp - previous page", "PageDown - next page", "OK", and "Cancel". A status bar at the very bottom shows the current tab as "CBU IDM" and the page number "5 / 8".

6. TAB KIR DATA

NA

6. TAB MOTHER


6. TAB MATERNAL DNA

NA

III.IV. NEW CORD BLOOD

The tool to create new records is not available for cord blood: the cord bloods will be uploaded via interface.

III.V. HISTORY

The history of cord blood data change is available by the command  History . Open the cord blood's record and then go to "donor – history". If a history exists, the table with his data will appear, otherwise a blank table will be opened.

III.VI. VALIDATE

The validation of a typing update follows the same rules as for donor validation and is further explained in [chapter II.VII. Validate](#).

III.VII. STACK

Please see [chapter II.VIII. Stack](#).


III.VIII. REPORTS

The same reports as explained in [chapter II.IX. Reports](#) are available for the Cord Blood Bank user.

Two reports are especially for CBU's:

a. DONREP067 CBU status Report

Report DON067 is created for Cord Blood Bank use: the report displays counts of cords and their respective availability status:

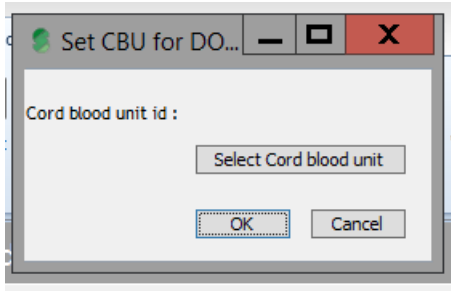
CBU Status Report		 Marrow Donor Program Belgium - Registry Molstraat 40 2800 Mechelen Belgium
Report DON067		
Donor Status	Count	
Available	6791	
Temporarily unavailable	11	
Donor deleted	156	
Donor reserved	36	
TOTAL	6994	
Donor Status	Status Reason	Count
Available		6788
Temporarily unavailable	Quarantined (CBU)	6
Donor deleted	After transplantation	61
Available	no sample available (for CBU's only)	2
Donor deleted	Expired (CBU)	2
Donor deleted	Distributed for infusion (CBU)	2
Temporarily unavailable		3
Available	Medical reasons	1
Donor reserved		36
Donor deleted	Cord Destroyed or Damaged (CBU)	2
Donor deleted	Other reasons	41
Donor deleted		48
Temporarily unavailable	Administrative (CBU)	2

b. DONREP171 BE Cord Blood Unit report:

Report DON171 is created for Cord Blood Bank use: the report displays characteristics of the unit.

DONREP 151.FR3	Basic IDM report(selected donor)
DONREP 152.REP	IDM report
DONREP 153.REP	Letter labels donor report
DONREP 170.REP	LYRT004 - Donor information report
▶ DONREP 171.FR3	Cord Blood Unit report - BE
DONREP 171.REP	IVRT004 - Unit report
DONREP 180.REP	DONOR TYPING REPORT
DONREP 181.REP	IDM report

DONREP171 will open the next window screen:



Then press OK : the cord blood report will be edited:

UNIT HLA TYPING								
A or A*	B or B*	C or C*	DR or DRB1	DRB3	DRB4	DRB5	DQ or DQB1	DPB1
02:RGPK	27:EKN	02:TP SB	11:01				03:SNFR	
	40:NZDG	03:TP SK	13:01				06:KHMP	
<u>UNIT CHARACTERISTICS</u>				<u>CBU MATERNAL</u>				
Collected net volume of CBU	125	ml		Mat AL ser	2		Mat AL ser quant	1,5
Volume frozen CBU	21	ml		Mat AL pla	1		Mat AL pla quant	1,5
Collected net number of nucleated cells	183,69	10 ⁷		Maternal CMV	Both IgG and IgM negative			
Number of nucleated cells in frozen CBU	163,02	10 ⁷		EBV				
Collected number of CD34+ cells	0	10 ⁶		TOXO				
Number of CD34+ cells in frozen CBU	3,2	10 ⁶		HBS AG pos./neg.	Negative		WNV	?
Collected number of mononucleated cells	0	10 ⁹		ANTI HBC	Negative		Chagas	?
CFU preserved	0	10 ⁹		ANTI HBS	?		HBV NAT	Negative
Method of volume reduction	Other			ANTI HCV	Negative		CMV NAT	?
<u>Bookmark CBU II</u>				ANTI HIV12	Negative		PB 19 NAT	?
Bag ID	-----			HIV 1 NAT	Negative			
Bag type	CBU Contiguous Attached Segment			HIV P24	?			
No. bags	1			HCV NAT	Negative			
Sample type	CBU Contiguous Attached Segment			HTLV	Negative			
Collection date	3/05/2001			<u>Bookmark CBU IV</u>				
CT complete date				ANTI HBC			ATT SEG	1
Bacterial culture	Negative			ANTI HCV			OTH SMPL	Y
Process meth	Optipress			ANTI HIV 12	?		DNA SMPL	Y
Process date	4/05/2001			HIV 1 NAT	?			
Freeze meth.	Controlled Rate			WNV	?			
Freeze date	4/05/2001			Chagas	?		HCV NAT	?
Fungal culture	Negative			HBV NAT	?		ALred BC	0
Prod. mod.	Plasma and RBC Reduced			CMV NAT	?			
Hemo status	Can be done at time of release			AL ser	0		ser quant	0
RED BC	0			AL pla	3		pla quant	1,5
Viability	62							
Viability date	3/09/2001							

III.IX. ANALYTICAL TOOL

Please see [chapter II.X. Analytical tool](#).

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 considered as an EMDIS country. The activation of a Belgian search will be processed as an EMDIS search activation, as well as the reported results from Belgian donors.

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 and 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.
RS (Reserved):	the donor is reserved.
OP (Other Patient):	the donor is reserved for another patient.
DE (Deleted):	the donor is deleted from the Registry. The reason is indicated.

IV.II. EMDIS MESSAGES

IV.II.1. New and old messages – requests without answers

In the Emdis window panel the requests without answer, new and old messages will be displayed.

This panel allows to print reports, and analytic tool for incoming typing and sample requests.

Rq. w/o answer – pending messages

New – all recently received or sent messages

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

Reports – EMDREP001 – EMDIS messages

Analytic tool for incoming typing requests

Analytic tool for incoming sample requests

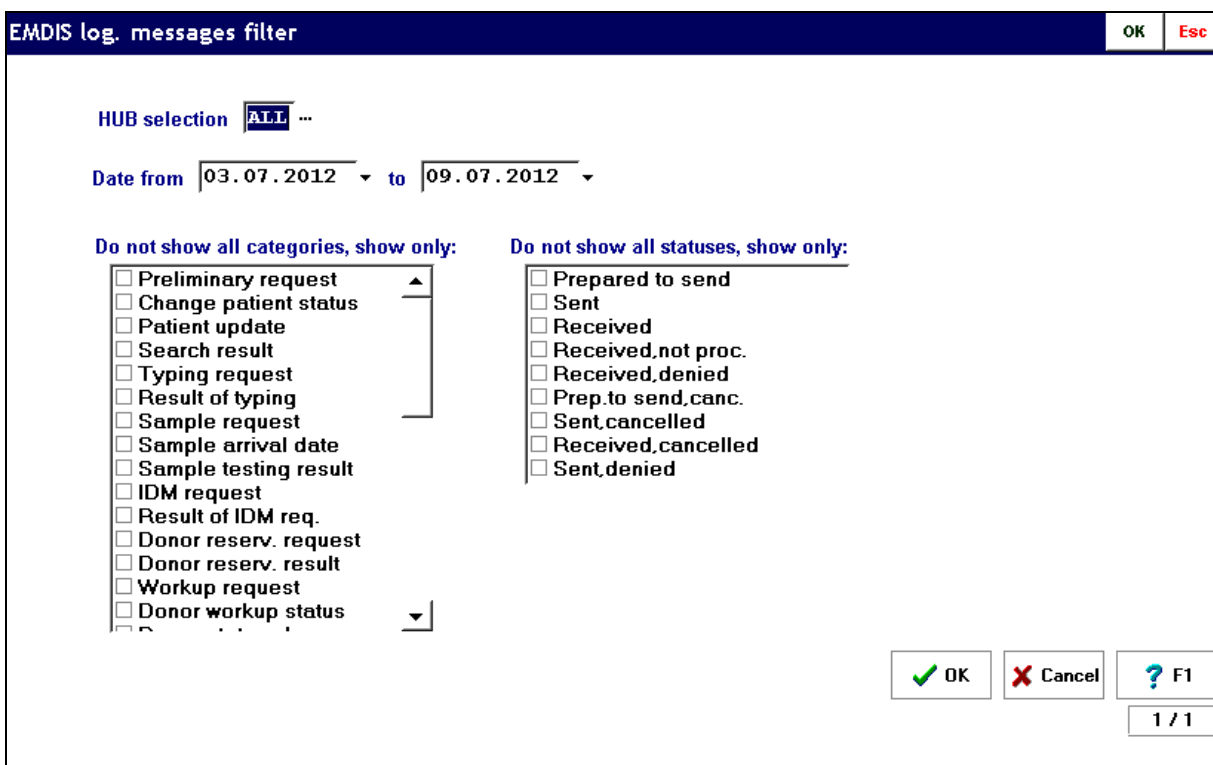
New messages:

Another way to check new arrival of messages or old messages is by going to the “EMDIS menu” and when you press EMDIS the new messages will be displayed on the window screen:

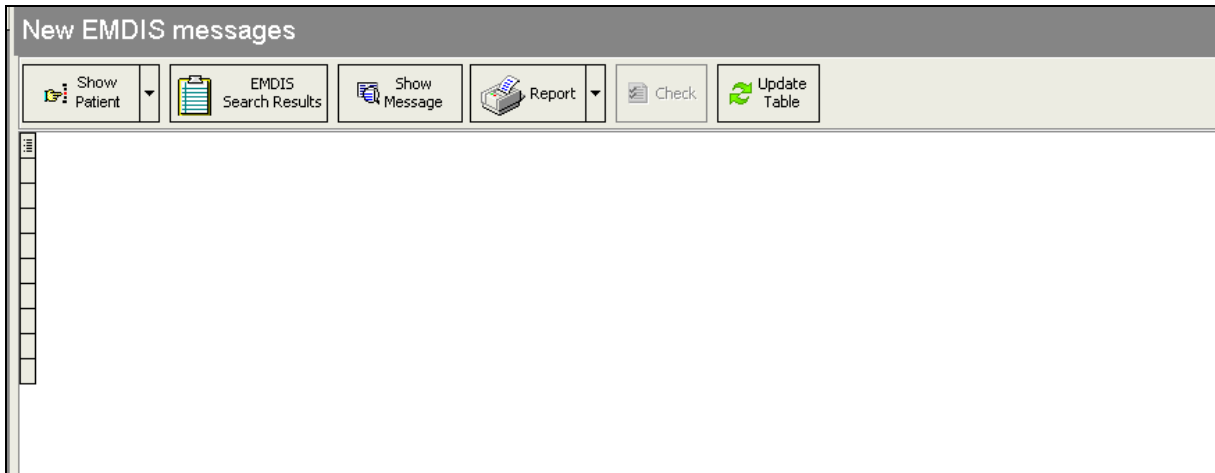



Old EMDIS messages:

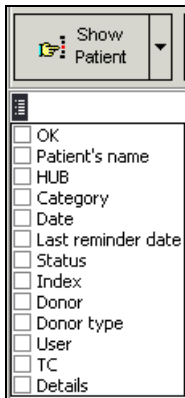
It is possible to use the filter to add some conditions to the messages you want to display. You can limite e.g. the date range (date from ... to ...) and make a selection of message type.



The first time you login the Emdis new – old – Requests without answer will be an empty screen:

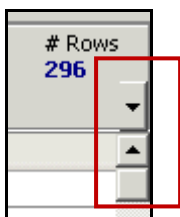
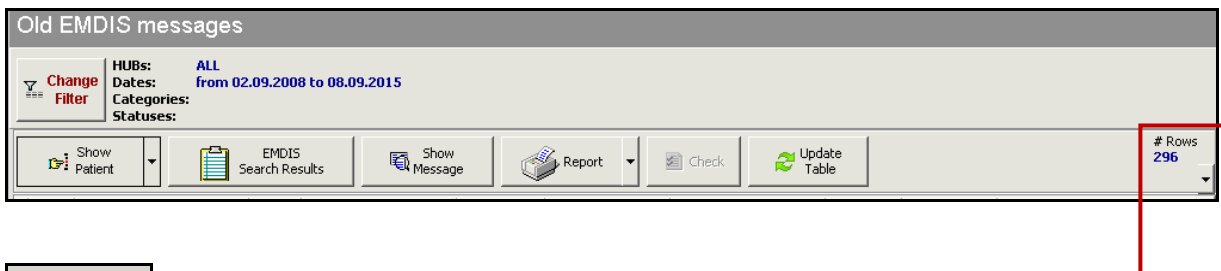


Click on the small button in the left upper corner , to display all available columns :



Your selection will be saved for your following login sessions. Don't forget to select the "OK", as this option serves to change the status of the Emdis from new to old.

You can store the user settings by selecting the arrow on the right:

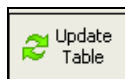


- Restore user settings
- Store user settings
- Delete user settings
- Store as default

IV.II.2. Window panel EMDIS messages

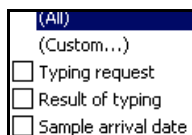
- When you tick the OK box (in the table of the messages), you indicate that you have consulted the message and it will be saved in the **old messages** category.

New EMDIS messages											
Show Patient		EMDIS Search Results		Show Message		Report		Check		Update Table	
OK	Patient's name	HUB	Category	Date	Status	Donor	User	TC	Details		
<input type="checkbox"/>	Patientb	BE	Typing request	9/11/2012	Received						
<input type="checkbox"/>	Patientb	BE	Typing request	9/11/2012	Received						



Press update table to update the new EMDIS messages list, the message you consulted will be removed from the list.

- Column headings of the table behave intelligent: if you click on them, 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.
- The title bar of a message consist of the following tabs:

- Patient's name: patient name;
- HUB: code of the Registry;
- Category: type of request;
- Date: request date;
- Status: EMDIS status of the message: received, cancelled, ... ;
- Donor: donor code;
- TC: in some cases the Transplant Centers TC codes are included in the message;

IV.II.3. Status of messages

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

Show Patient		EMDIS Search Results		Show Message		Report		Check		Update Table	
OK	Patient's name	HUB	Category	Date	Status	Donor					
<input checked="" type="checkbox"/>	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.II.4. Message contenance

This chapter describes the window browsing of the messages:



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

New EMDIS messages											
Show Patient		EMDIS Search Results		Show Message		Report		Check		Update Table	
Show Donor	HUB	Category	Date	Status	Donor	User	TC	Details			
<input type="checkbox"/>	BE	Cancel of a request	12/12/2012	Received			BETRA				

Show patient – not applicable for donor management

Show donor - you can switch to the donor records file to consult the donor record and the list of donor messages

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**.

IV.II.5. Overview of message types

In the table below of the different message types (donors, but patients as well).

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.II.6. Automatic warnings and message denials

- **Patient status changed**
Type: warning
- **Institution is not registered in HUB XX**
Type: warning

- **Cannot change patient status**
Type: Message denial
- **Cannot change patient status**
Type: Message denial
- **Invalid fax or phone format**
Type: Message denial
- **Invalid institution type**
Type: Message denial
- **Request has already result**
Type: Message denial
- **Request has already result or it has been already cancelled**
Type: Message denial
- **Request does not exist or it has been denied or cancelled**
Type: Message denial
- **Your request has been denied**
Type: Message denial
- **Our request has been cancelled**
Type: Message denial
- **Your request has been cancelled**
Type: Message denial
- **Our request has been denied**
Type: Message denial

IV.III. RECEIVING REQUESTS – REPORTING RESULTS

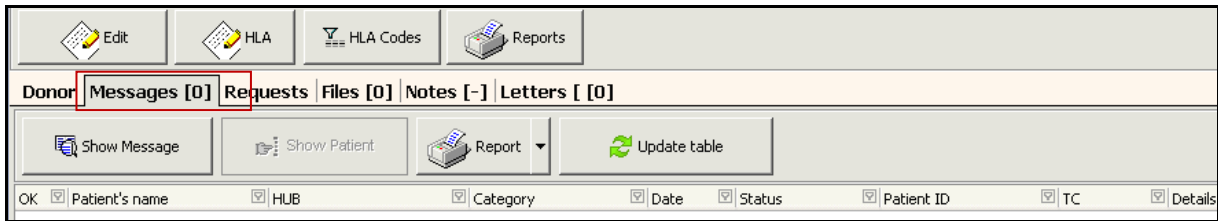
A Donor Center (Cord Blood Bank) can receive requests from 3 parties : EMDIS patients, Belgian patients and non EMDIS patients (entered by the MDPB-R search coordinator).

The following messages will arrive :

- a. Typing request
- b. Sample request
- c. IDM request
- d. CBU unit report
- e. Reservation request

The tools offered in these messages (reporting result, printouts, WMDA forms) are the same for the different folders and are explained below.

Click on **Messages** to display the list of received and sent messages (the number of available messages between brackets);



Show message - will open the message

Show patient - not applicable for donor management

Report - offers the possibility the print the message or the WMDA form

Update table - to display new messages or replies you sent

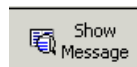
NEW:

“Messages”: all messages will be listed under messages.

“Requests”: all requests will be listed under requests with additional status info .

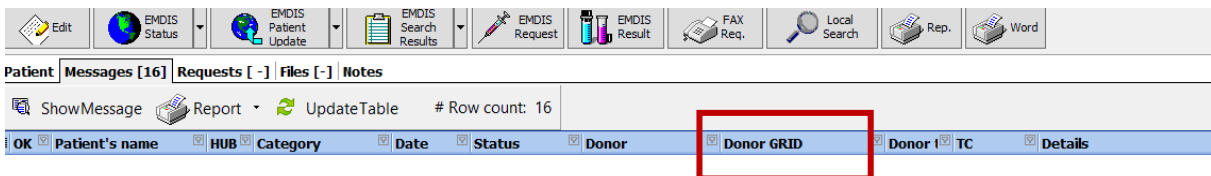
IV.III.1. Typing request (TYP_REQ)



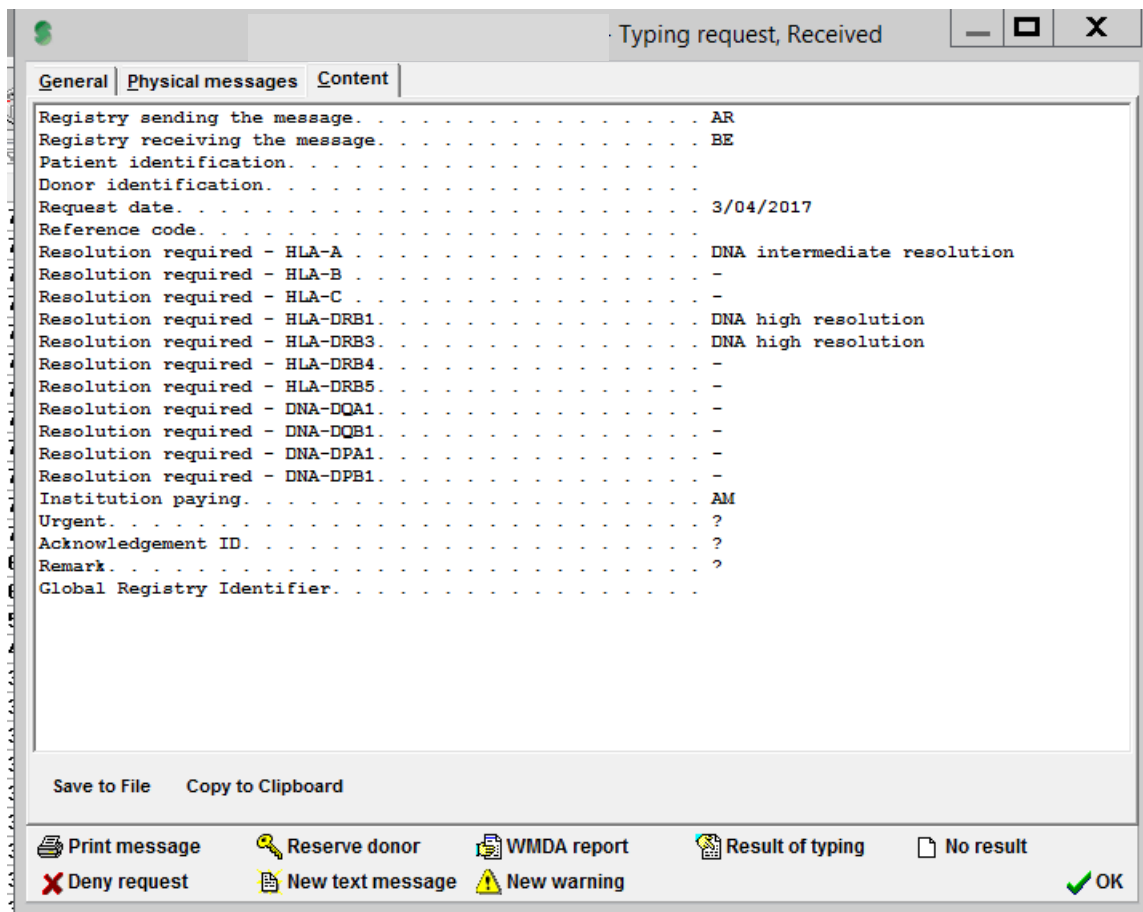
Double click or click on  to open the request screen:

New EMDIS messages							
OK	Patient's name	HUB	Category	Date	Status	Donor	TC
<input type="checkbox"/>		BE	Typing request	13/12/2012	Received		BETRAVUB1
<input type="checkbox"/>		BE	Typing request	12/12/2012	Received		BETRAVUB1
<input type="checkbox"/>		BE	Typing request	12/12/2012	Received		BETRAVUB1
<input type="checkbox"/>		BE	Typing request	12/12/2012	Received		BETRAVUB1
<input type="checkbox"/>		B	Typing request	10/12/2012	Received		BETRAKUL1
<input type="checkbox"/>		BE	Typing request	8/11/2012	Received		BETRAKUL1
<input type="checkbox"/>		BE	Result of typing	8/11/2012	Sent		BETRAKUL1

NEW: field donor GRID.



Double click and go to the tab “content”: patient ID, requesting country, donor ID, request date and the requesting resolutions will be displayed. The tab “Content” allows you to have printouts or report the result by clicking on the buttons below:



The following actions are possible:

- Print message
- Print WMDA report
- Result of typing
- No result
- Deny request
- New text message
- Reserve donor
- New warning

1. Print message:

FAX message from AR to BE

Message number: 79030
 Category: **Typing request**
 Date: 03.04.2017 12:45
 Status: Received



Marrow Donor Program Belgium - Registry
 Motstraat 40
 2800 Mechelen
 Belgium

PATIENT Name: hidden EMDIS ID:								
TC: AR	Date of birth: <input type="text"/>	Sex: F	Pat. reg.: AR	ABO: ?				
DONOR ID:								
Date of birth: <input type="text"/>	Sex: M	Don. reg.: BE	ABO: ?					
	A or A*	B or B*	C or C*	DR or DRB1	DRB345	DQ or DQB1	DPB1	
Patient's antigens	23:01 68:02	14:02 49:01	07:02 08:02	11:02 15:03		03:01 08:02		
Donor's antigens	2 9	44 21		11 7				

```

Typing request
Registry sending the message. . . . . AR
Registry receiving the message. . . . . BE
Patient identification. . . . .
Donor identification. . . . .
Request date. . . . . 3/04/2017
Reference code. . . . .
Resolution required - HLA-A . . . . . DNA intermediate resolution
Resolution required - HLA-B . . . . . -
Resolution required - HLA-C . . . . . -
Resolution required - HLA-DRB1. . . . . DNA high resolution
Resolution required - HLA-DRB3. . . . . DNA high resolution
Resolution required - HLA-DRB4. . . . . -
Resolution required - HLA-DRB5. . . . . -
Resolution required - DNA-DQA1. . . . . -
Resolution required - DNA-DQB1. . . . . -
Resolution required - DNA-DPA1. . . . . -
Resolution required - DNA-DPB1. . . . . -
Institution paying. . . . . AM
Urgent. . . . . ?
Acknowledgement ID. . . . . ?
Remark. . . . . ?
    
```

2. Print WMDA report:

The request can also be printed on a prefilled WMDA form by clicking:  WMDA report .:

The WMDA S20 Request for extended donor HLA typing report will be printed:



Marrow Donor Program Belgium - Registry
 Motstraat 40
 2800 Mechelen
 2800, Mechelen
 +32-15443396
 +32-15443656
 mdpb-registry@rodekruis.be

S20

REQUEST FOR EXTENDED DONOR HLA TYPING

Page 1 of 2

Urgent request

PATIENT DATA	
Patient name:	Oktober Oktober
Patient registry:	B
Diagnosis:	Hodgkin's Lymphoma
Patient ID: (assigned by patient registry)	<input type="text"/>
Patient ID: (assigned by donor registry)	<input type="text"/>
Date of birth: (YYYY-MM-DD)	<input type="text"/>

PATIENT HLA			
Locus:	First value:	Second value:	Testing method:
A	03:01	03:01	<input type="checkbox"/> DNA-SSP <input type="checkbox"/> DNA-SSO <input type="checkbox"/> DNA-SBT <input type="checkbox"/> Other:
B	15:01	15:01	<input type="checkbox"/> DNA-SSP <input type="checkbox"/> DNA-SSO <input type="checkbox"/> DNA-SBT <input type="checkbox"/> Other:
C	02:02:02:01	02:02:02:01	<input type="checkbox"/> DNA-SSP <input type="checkbox"/> DNA-SSO <input type="checkbox"/> DNA-SBT <input type="checkbox"/> Other:
DRB1	03:01	03:01	<input type="checkbox"/> DNA-SSP <input type="checkbox"/> DNA-SSO <input type="checkbox"/> DNA-SBT <input type="checkbox"/> Other:
DRB3/4/5			<input type="checkbox"/> DNA-SSP <input type="checkbox"/> DNA-SSO <input type="checkbox"/> DNA-SBT <input type="checkbox"/> Other:
DQA1			<input type="checkbox"/> DNA-SSP <input type="checkbox"/> DNA-SSO <input type="checkbox"/> DNA-SBT <input type="checkbox"/> Other:
DQB1			<input type="checkbox"/> DNA-SSP <input type="checkbox"/> DNA-SSO <input type="checkbox"/> DNA-SBT <input type="checkbox"/> Other:
DPA1			<input type="checkbox"/> DNA-SSP <input type="checkbox"/> DNA-SSO <input type="checkbox"/> DNA-SBT <input type="checkbox"/> Other:
DPB1			<input type="checkbox"/> DNA-SSP <input type="checkbox"/> DNA-SSO <input type="checkbox"/> DNA-SBT <input type="checkbox"/> Other:

HLA TYPING REQUEST						
Donor ID:	BEANT0					
A	<input checked="" type="checkbox"/>	High	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
B	<input checked="" type="checkbox"/>	High	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
C	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
DRB1	<input checked="" type="checkbox"/>	High	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
DRB3/4/5	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
DQA1	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
DQB1	<input checked="" type="checkbox"/>	High	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
DPA1	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
DPB1	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



Marrow Donor Program Belgium - Registry

Motstraat 40
 2800 Mechelen
 2800, Mechelen
 +32-15443396
 +32-15443656
 mdpb-registry@rodekruis.be

S20

REQUEST FOR EXTENDED DONOR HLA TYPING

Page 2 of 2

Urgent request

PATIENT DATA	
Patient name: Oktober Oktober	
Patient registry: B	
Diagnosis: Hodgkin's Lymphoma	
Patient ID: (assigned by patient registry)	Patient ID: (assigned by donor registry)
Date of birth: (YYYY-MM-DD)	

Comments:

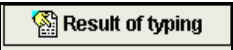
Requesting institution:	Invoice(s) to be sent to:
Institution: BE	Institution: BEMDP-B
Address: Marrow Donor Program Belgium - Registry	Address: Marrow Donor Program Belgium - REGISTRY.
ZIP code: 2800	ZIP code: 2800
City: MECHELEN	City: MECHELEN
Country: BE	Country: BE
Attention: HILDEGARDE BROOS	Attention: Hildegard Broos
Phone: +32-15-443396	Phone: +32-15-443396
Fax: +32-15-443656	Fax: +32-15-443656
E-mail: MDPB-registry@rodekruis.be	E-mail: hildegard.broos@rodekruis.be

Person completing form: DC ANT TEST	Date: (YYYY-MM-DD) 2017-12-12	Signature:
--	----------------------------------	------------

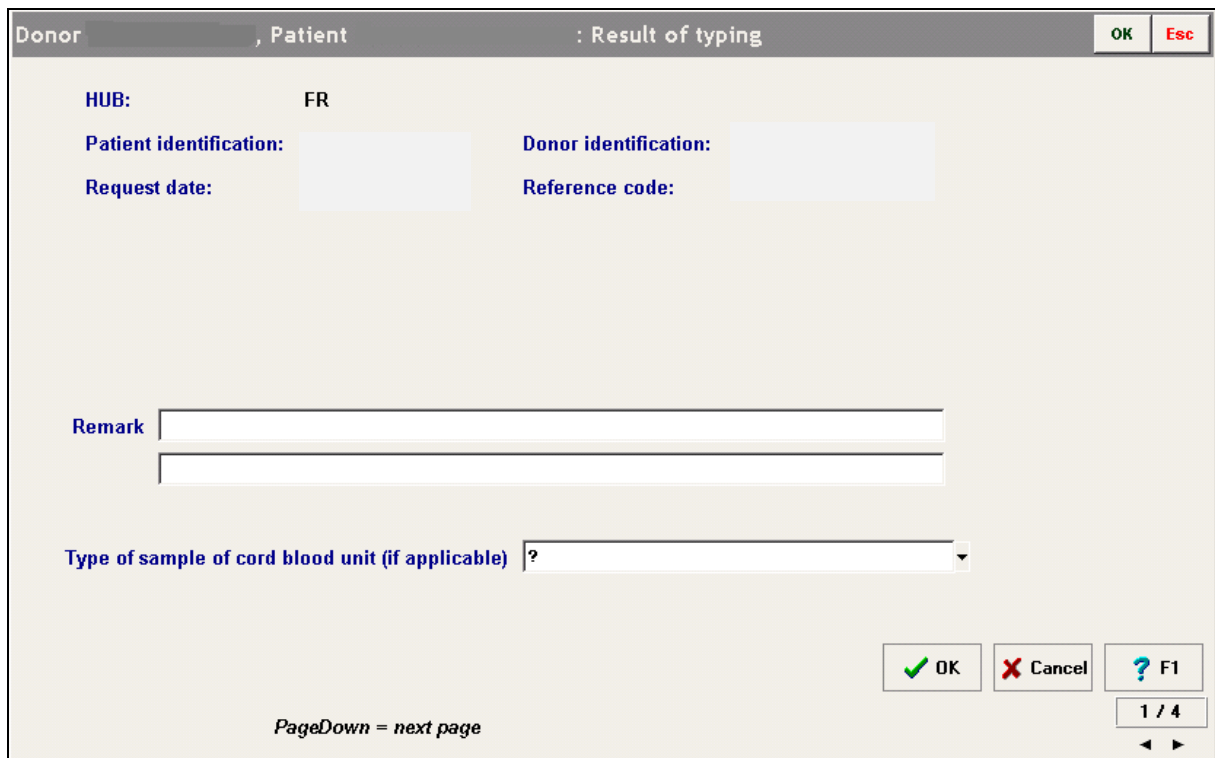
3. Result of typing

To enter a typing result, you first need to **Edit** the donor file (HLA typing update) and validate afterwards before you can send the result to the requesting Registry.

When the update has been done, you can immediately go to the EMDIS message to send the result via EMDIS:

Press  and the first screen (of 4) will be displayed:

Enter a remark if necessary, type of sample of cord blood unit is not applicable for donors.



Donor , Patient : Result of typing

HUB: FR

Patient identification: Donor identification:

Request date: Reference code:

Remark

Type of sample of cord blood unit (if applicable) ?

PageDown = next page

OK Cancel ? F1

1 / 4

Screen 2/4 : DOB – sex – blood group – CMV are displayed:

Donor	Patient	: Result of typing	OK	Esc
Donor date of birth:	28.03.1953			
Donor sex:	F			
Donor blood group and rhesus:	?			
Donor CMV status:	?			
Date of CMV test:				

PageUp = previous page PageDown = next page

2 / 4

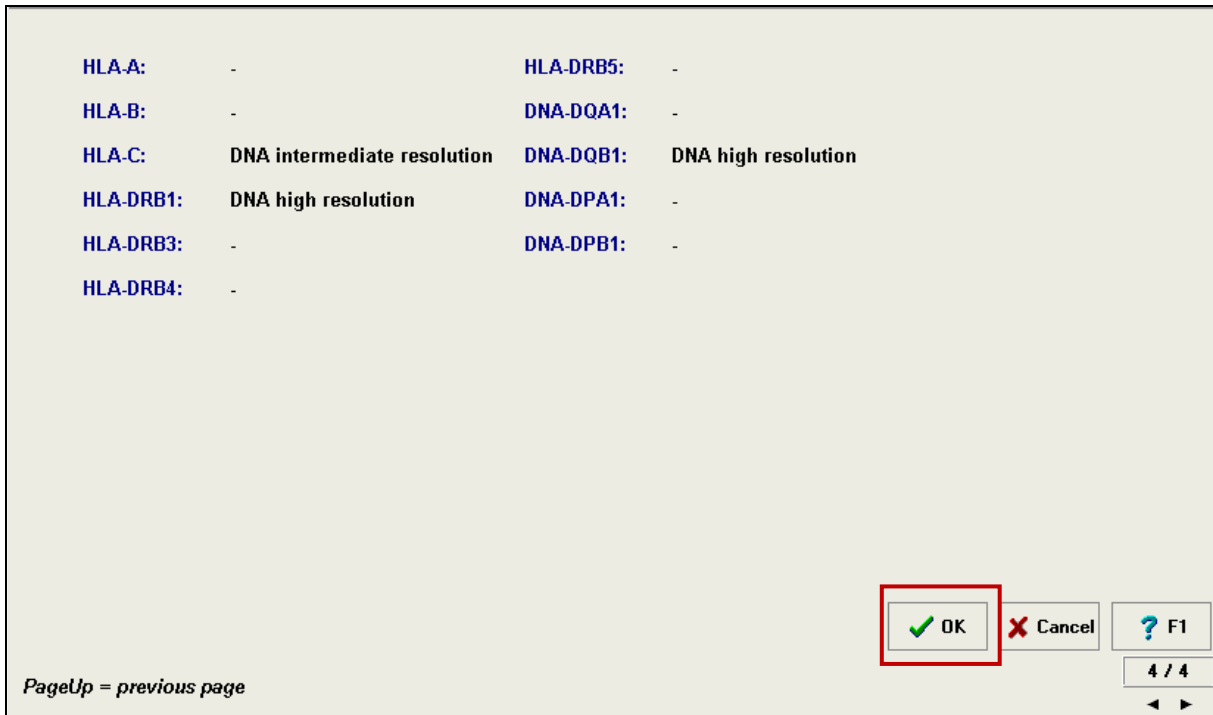
Screen 3/4 : Complete HLA data are displayed

Donor HLA-A, 1st antigen:	2	Donor DNA-DRB1, 1st allele:	03:01
Donor HLA-A, 2nd antigen:	9	Donor DNA-DRB1, 2nd allele:	09:01
Donor HLA-B, 1st antigen:	7	Donor DNA-DRB3, 1st allele:	
Donor HLA-B, 2nd antigen:	62	Donor DNA-DRB3, 2nd allele:	
Donor HLA-C, 1st antigen:		Donor DNA-DRB4, 1st allele:	
Donor HLA-C, 2nd antigen:		Donor DNA-DRB4, 2nd allele:	
Donor DNA-A, 1st allele:		Donor DNA-DRB5, 1st allele:	
Donor DNA-A, 2nd allele:		Donor DNA-DRB5, 2nd allele:	
Donor DNA-B, 1st allele:		Donor DNA-DQA1, 1st allele:	
Donor DNA-B, 2nd allele:		Donor DNA-DQA1, 2nd allele:	
Donor DNA-C, 1st allele:	04:48	Donor DNA-DQB1, 1st allele:	02:01
Donor DNA-C, 2nd allele:	01:03	Donor DNA-DQB1, 2nd allele:	03:01
Donor HLA-DR, 1st antigen:		Donor DNA-DPA1, 1st allele:	
Donor HLA-DR, 2nd antigen:		Donor DNA-DPA1, 2nd allele:	
Donor HLA-DQ, 1st antigen:		Donor DNA-DPB1, 1st allele:	
Donor HLA-DQ, 2nd antigen:		Donor DNA-DPB1, 2nd allele:	

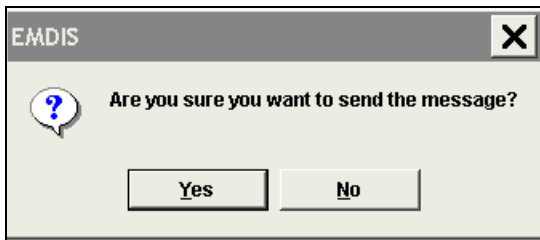
PageUp = previous page PageDown = next page

3 / 4

Screen 4/4 : Display of requested typing resolutions :



Press "OK" to send the message:



The typing results will be queued in the messages, and receive status **"prepared to send"** : the message will be sent with the next processing session. Afterwards it will receive status **"message has been sent"**.

4. No result : service cannot be performed (NO_RES)


The no result message informs the requesting hub that a service cannot be performed. Several no result messages are allowed for the same request since they can be considered as an update to the result.

HUB: BE
Patient identification: BE
Donor identification:
Request date:
Reference code: 78220BE1
Type of request: TYP
Reason ? ...
Remark

PageDown = next page



1 / 5

Answer with the number or code of NO_RES reason


Select the appropriate reason and press :

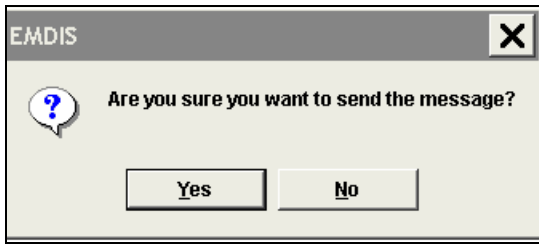
Num	ID	Name
0	?	
1	D0	Donor is too old
2	DD	Donor died
3	MR	Medical reasons
4	PR	Personal reasons
5	TX	After transplantation
6	M0	Donor has moved
7	UC	Unable to contact donor
8	NS	No sample available (for CBU's only)
9	OT	Other reasons
10	UK	Unknown
11	EX	Expired
12	MM	HLA mismatch

Select item by cursor move and key Enter

1 / 13   ?

In window 2, 3, 4, 5 the main donor date will be displayed.


Press  OK to confirm your message :

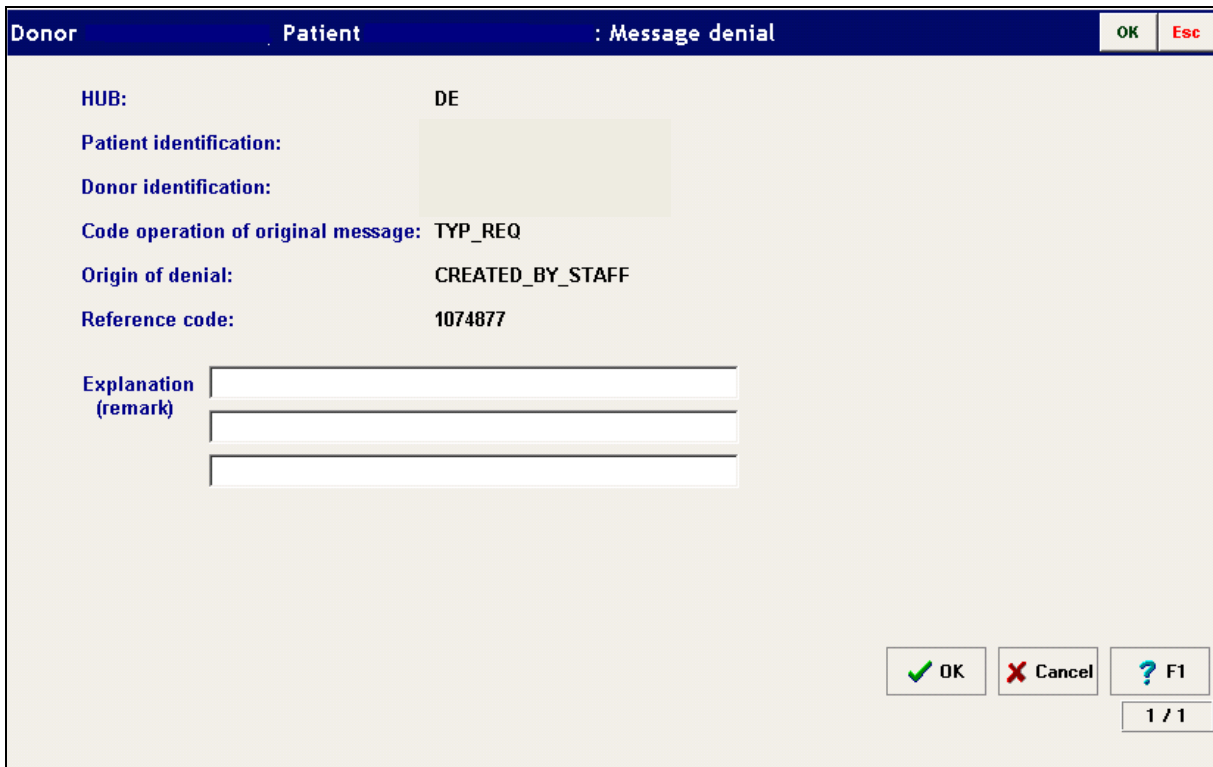


Press "yes" and the message will be queued for the next processing session.

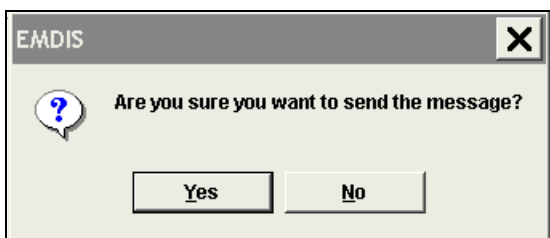
5. Deny request: message denial (MSG_DEN)

The software contains functions to automatically send out message denials. This message will not be processed at the other side and has to be resent.

Press  to open the "message denial screen":



Enter the reason why the service cannot be performed and press "yes" to confirm:



6. New text message (TXT_MSG)

The text message has a comment function for a patient/donor pair to send to the remote database. It can be used to transmit free text messages between hubs, however this communication should be limited (email).

HUB: DE

Donor identification: Patient identification:

Date sent 25.07.2012


Text (1/2)

OK Cancel F1

PageDown = next page

1 / 2

7. Reserve donor

Press  to open the donor reservation window screen, set time frame. The donor record will be updated, and the record will be reserved for this patient until the defined end of reservation period.

Reserve donor

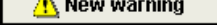
Donor ID


Patient ID

Reserve from 16/02/2017 to 16/02/2017

OK Cancel

8. New warning

It is possible to send a warning message to the Hub via the . The warning has an informational character. The message is processed, but has not to be resent.



Donor , Patient : Warning message OK Esc

HUB: DE

Patient identification:

Donor identification:

Code operation of original message: TYP_REQ

Origin of denial: CREATED_BY_STAFF

Reference code: 1074877

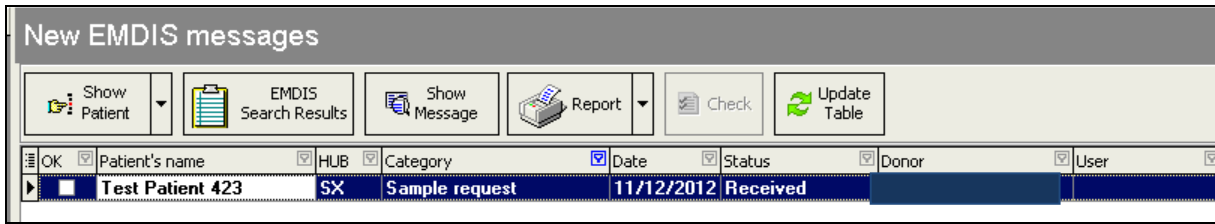
Explanation (remark)

OK Cancel ? F1
1 / 1

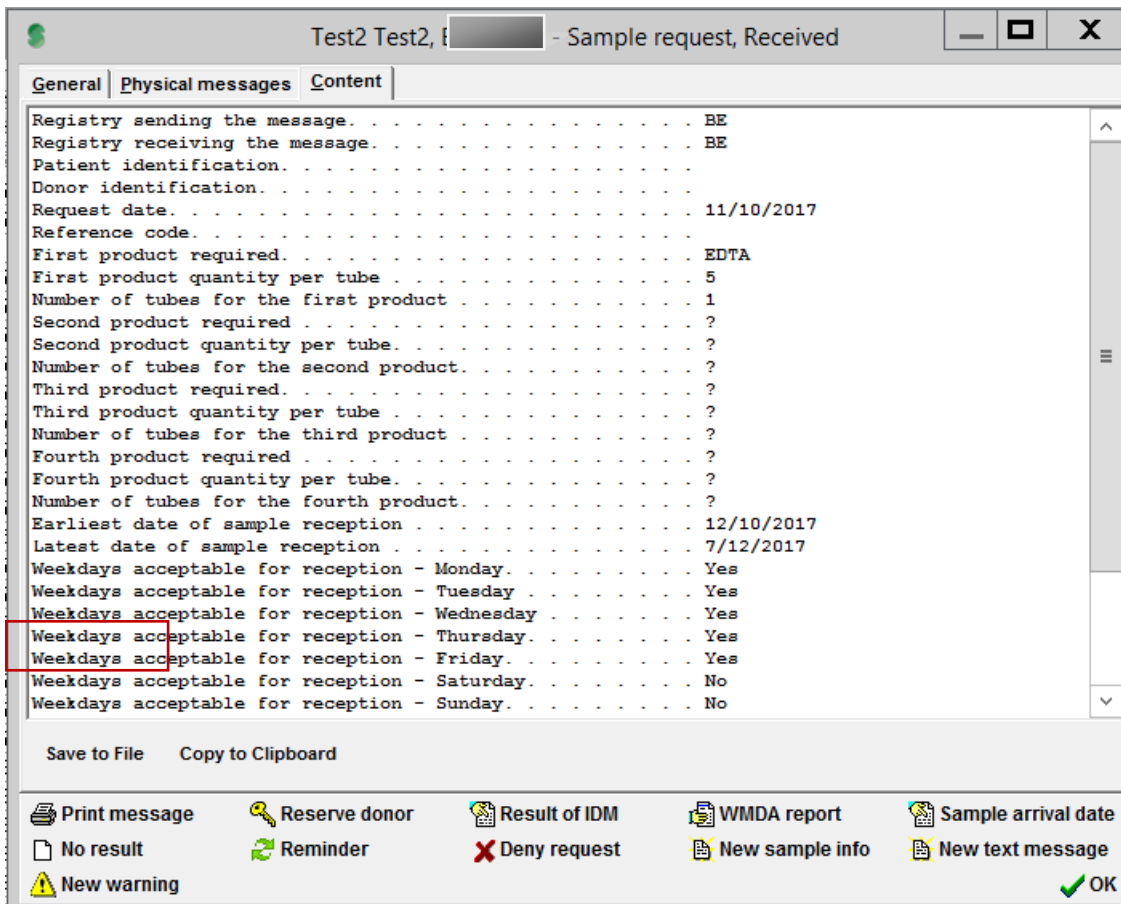
IV.III.2. Sample request

The following actions are possible:

- Print message
- Print WMDA report
- Sample arrival date
- Result of IDM
- No result (same as typing request)
- Deny request (*same as typing request*)
- New text message (*same as typing request*)
- Reserve donor (*same as typing request*)
- New warning (*same as typing request*)
- **New sample info**



Select the “sample request” and double click to open the request screen. Details and blood sample requirements of the request are displayed in the **Content** tab:



The fields “earliest and latest date of sample reception” 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.

You can click on the institution line to open the address coordinates:

Sample request, Received

General | Physical messages | Content

Registry sending the message.
 Registry receiving the message.
 Patient identification.
 Donor identification.
 Request date.
 Reference code.
 First product required.
 First product quantity per tube.
 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.
 Earliest date of sample reception.
 Latest date of sample reception.
 Weekdays acceptable for reception - Monday.
 Weekdays acceptable for reception - Tuesday.
 Weekdays acceptable for reception - Wednesday.
 Weekdays acceptable for reception - Thursday.
 Weekdays acceptable for reception - Friday.
 Weekdays acceptable for reception - Saturday.
 Weekdays acceptable for reception - Sunday.
 Institution the sample has to be sent to.
 Institution paying.
 Urgent.
 Remark.

Save to file Copy to clipboard

Print message WMDA report

Update donor Reserve donor

Address

Institution Type: Typing Laboratory

Institution Identification: DE2233

Address Line 1: DRK-BSD BADEN-WUERTTEMBERG - HESSEN

Address Line 2: GEWEBETYPISIERUNGSLABOR (HLA)

Address Line 3: SANDHOFSTR. 1

ZIP code: 60528

City: FRANKFURT

Country: DE



Contact person: DR. CH. SEIDL


Phone Number: +49-69-6782-218

Fax Number: +49-69-6782-217

Email address:

Copy all to clipboard OK

1. The message can be printed via the  Print message or  WMDA report.
2. **WMDA report: S40 Blood sample request for verification typing.**

	Marrow Donor Program Belgium - Registry Motstraat 40 2800 Mechelen 2800, Mechelen +32-15443396 +32-15443656 mdpb-registry@rodekruis.be		
	S40 BLOOD SAMPLE REQUEST FOR VERIFICATION TYPING Page 1 of 1		
PATIENT DATA			
Patient name: Test2 Test2			
Patient registry: B			
Diagnosis: Plasma Cell Disorder			
Patient ID: (assigned by patient registry) BE <input type="text"/>		Patient ID: (assigned by donor registry)	
Date of birth: (YYYY-MM-DD) 1963-10-04		Gender: F	
Transplant center: BETR			
DONOR ID(s)			
BE274842D			
BLOOD SAMPLE REQUIREMENTS (recommended maximum = 50 mL - please provide clinical reasons for greater volumes)			
5	mls EDTA	Acceptable days of the week to receive samples: (check all that apply)	
	mls heparin	<input checked="" type="checkbox"/> Monday	<input checked="" type="checkbox"/> Tuesday <input checked="" type="checkbox"/> Wednesday
	mls ACD	<input checked="" type="checkbox"/> Thursday	<input checked="" type="checkbox"/> Friday <input type="checkbox"/> Saturday
	mls no anticoagulant	<input type="checkbox"/> Sunday	
	mls		
<small>DISCLAIMER: The cell products collected from the donor are intended solely for the purpose of diagnostic testing on behalf of the above mentioned patient. No other use is permissible. Excess blood volume is allowed for quality control testing only but not for research purposes. Any portion of the cells not used for the intended testing must be disposed of properly. By accepting these cells, the transplant physician also accepts these terms and conditions. Requests for deviations from these terms must be submitted in writing to the donor registry for approval.</small>			
Courier Service: VT samples will automatically be shipped using a courier service chosen by the donor center. The fees for this VT sample are based on the use of this courier service. If you prefer that the samples be shipped using a specific courier service, please list that courier service below. Additional fees may be applied.			
Preferred courier service:			
Samples to be shipped to:		Invoice(s) to be sent to: Copy shipping address	
Institution: BELABHILA1		Institution: BEMDP-B	
Address: RODE KRUIS - VLAANDEREN Histocompatibility & immunogenetics LAB		Address: Marrow Donor Program Belgium - Registry Motstraat 40	
ZIP code: 2800		ZIP code: 2800	

3. Click the  **Sample arrival date** to enter the blood sample arrival date:

HUB: BE

Patient identification:

Donor identification: Reference code:

Acknowledgement

Proposed date of sample arrival

Verbatim CT sample label ID

Remark

Type of sample of cord blood unit (if applicable)

Scheduled Collection Date

1 / 1

F3,right mouse button=selection table, 0=no/0, 1=yes/1

New : "Scheduled collection date": new EMDIS release requires scheduled collection date:

Acknowledgement Id – if you wish to receive a message from the Transplant Center that they received the message select yes.

Proposed date of sample arrival - suggested arrival date.

Verbatim Ct sample label ID – donor label ID (if not used unknown).

Remark - optional (120 characters)


(in case of cord blood)

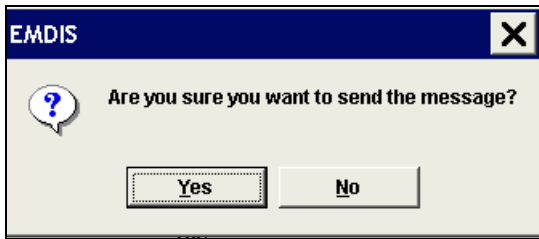
Type of sample of cord blood unit (if applicable): CB sample type

0: ?


- 1: CBU contiguous Attached Segment
- 2: whole Blood sample
- 3: Red cell Fraction (pellet)
- 4: Blood Spotted Filter Paper
- 5: Extracted DNA

Scheduled collection date: date of blood sample collection

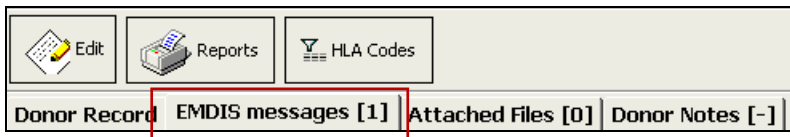
Press  to confirm the date, and press "yes" to send the EMDIS message:



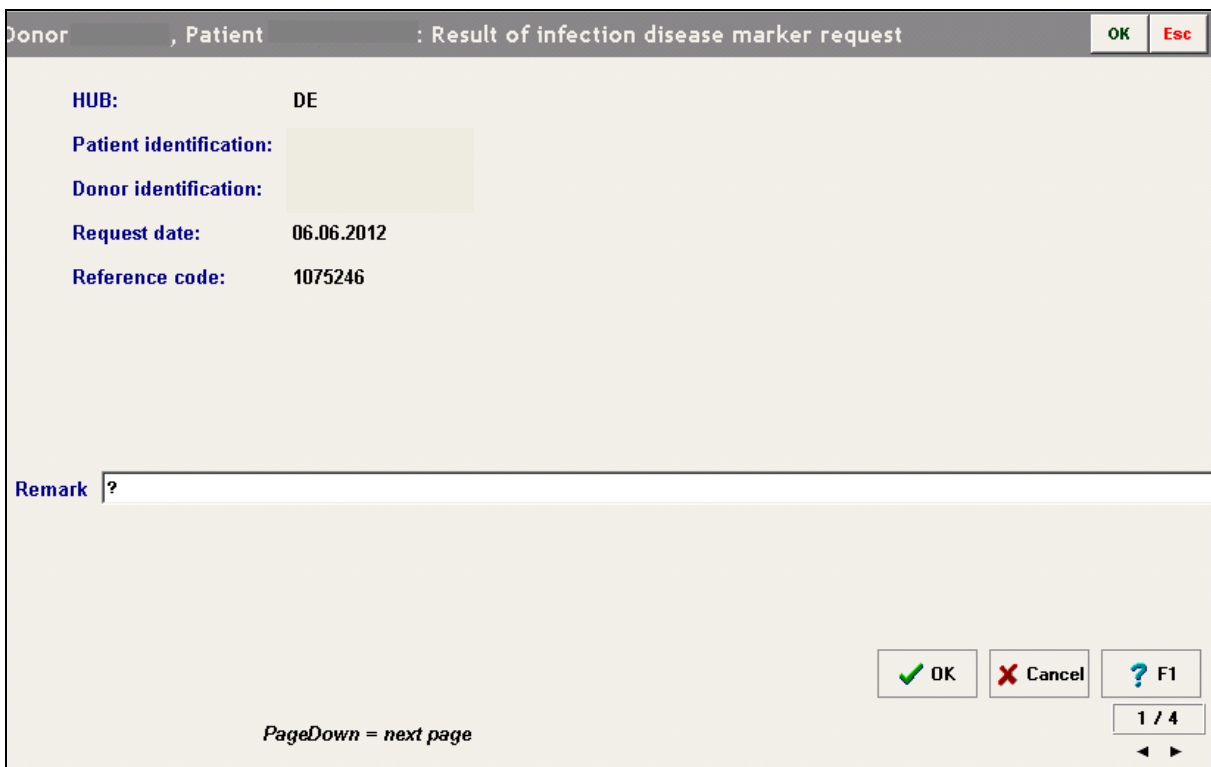
The message will be queued for processing, and receive status “prepared to send”.

- Click the  button, to open the window screens (4 pages):

The first screen of 4 pages will be opened. Don't forget that this tool will send the IDM results, but does not offer data entry: **the IDM results need to be entered in the donor record via edit**. When you select the donor for editing, you can immediately go to the tab “EMDIS messages” to send the message:



At the first screen a remark (120 characters) can be added:



The requested markers are indicated in screen 2/4:

Donor , Patient : Result of infection disease marker request OK Esc

Infectious disease markers requested

Blood group and rhesus	<input type="text" value="yes"/>	Antibody to Hepatitis B surface antigen	<input type="text" value="yes"/>
CMV status	<input type="text" value="yes"/>	Antibody to Hepatitis B core antigen	<input type="text" value="yes"/>
Toxoplasmosis	<input type="text" value="yes"/>	Antibody to Hepatitis C virus	<input type="text" value="yes"/>
EBV	<input type="text" value="yes"/>	Lues status (Treponema pallidum)	<input type="text" value="yes"/>
HIV status	<input type="text" value="yes"/>	ALT status	<input type="text" value="yes"/>
HIV P24	<input type="text" value="yes"/>	Antibody to HTLV1.V2	<input type="text" value="yes"/>
Hepatitis B surface antigen	<input type="text" value="yes"/>		

PageUp = previous page PageDown = next page 2 / 4

The reported infectious disease markers updated in the donor record are displayed in window screen 3 and 4:

Donor , Patient : Result of infection disease marker request OK Esc

Donor blood group and rhesus:	O+
Donor CMV status:	N
Date of CMV test:	04.05.2006
Donor Toxoplasmosis:	N
Donor EBV status:	N
Date of sample extraction:	26.07.2012
Number of pregnancies:	99
Number of transfusions:	99
Donor weight:	58
Donor height:	163

PageUp = previous page PageDown = next page 3 / 4

Donor , Patient : Result of infection disease marker request		OK	Esc
Donor HIV status:	N		
Donor HIV p24 antigen:	N		
Donor Hepatitis B status (hepatitis B surface antigen):	N		
Donor Hepatitis B status (antibody to hepatitis B surface antigen):	N		
Donor Hepatitis B status (antibody to hepatitis B core antigen):	N		
Donor Hepatitis C status (antibody to hepatitis C virus):	N		
Donor antibody to HTLV1.V2:	?		
Donor ALT status [units/litre]:	0		
Donor Lues status (Treponema pallidum):	N		


PageUp = previous page

4 / 4

◀ ▶


Press "OK" to confirm:

EMDIS ✕

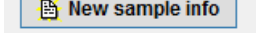
 Are you sure you want to send the message?

Press 'yes' and the message will be queued for processing, and receive status "prepared to send".

No result, Deny request, New text message, Reserve donor, New warning are the same window screens as for typing request.

It is possible for the donor center to remind the transplant center (Belgian and international) to send the confirmatory typing results: go to the sample arrival message and click on the  button to open the following window screen:

- Sample arrival date: Result reminder		OK	Esc
HUB	US		
Patient identification:			
Donor identification:			
Request date:	14/05/2013		
Reference code:	14693304		
Type of result reminded:	SMP_RES		
Date expiration of reservation	<input type="text"/>		
Remark	<input type="text"/>		
	<input type="text"/>		
	<input type="text"/>		
		OK	Cancel
		F1	1 / 1
WMDA report		Reminder	Cancel me

5. Click the  button, to open the window screen to send additional information about the donor.

This message can only be exchanged in one direction, from the donor side to the patient side, and the message always refers to sample information. There might be several sample information messages within the context of one sample request, subsequent sample information is regarded as new or additional information.

A remark is available for detailed information

Donor: Patient Discrepant Typing: Donor information in context of sample request OK Esc

HUB: BE

Patient identification:

Donor identification:

Reference code 78015BE1

Information type **BMP**

Remark

BMP

0 BMP

1 BMM

2 SCP

3 SCM

4 ABS

5 MUL

6 UBC

7 RPE

8 CMV

9 ROI

A MED

B OTH

Cancel

OK X Cancel

1 / 1

0=BMP, 1=BMM, 2=SCP, 3=SCM, 4=ABS, 5=MUL, 6=UBC, 7=RPE, 8=CMV, 9=ROI, A=MED, B=OTH

Explanation of the list of codes:

- BMP: donor only available for bone marrow donation for personal reasons
- BMM: donor only available for bone marrow donation for medical reasons
- SCP: donor only available for PBSC donation for personal reasons
- SCM: donor only available for PBSC donation for medical reasons
- ABS: (absent) donor not available for a certain period of time
- MUL: Multi donation
- UBC: donor unavailable after blood collection
- RPE: increased risk that donor is declined during physical examination
- CMV: additional information regarding CMV status
- ROI: donor was in a region with a higher risk of infection
- MED: other medical information
- OTH: other non-medical information

IV.III.3. Infectious disease marker requests (IDM request)

New EMDIS messages

EMDIS patients-requests (314)

- Patient administration
- Other requests

Rows
2

EMDIS patients-results (173)

- Search results
- Other results

Rows
2

OK	Patient's name	HUB	Category	Date	Status	Donor	User	TC
<input type="checkbox"/>		AT	IDM request	07.05.2010	Received			
<input type="checkbox"/>		DE	IDM request	21.09.2009	Received,cancell			

Other EMDIS messages (1)

- Internal requests (152)
- Internal results (47)

Rows
2

Click the IDM request to open the request screen, the IDM's requested are displayed in the content tab:

IDM request, Received

General | Physical messages | Content

```


Registry sending the message. . . . . BE
Registry receiving the message. . . . . BE
Patient identification. . . . . BE
Donor identification. . . . . BE
Request date. . . . . 16/03/2017
Reference code. . . . . 78539BE1
IDM requested - Blood group and rhesus. . . . . Yes
IDM requested - CMV status. . . . . Yes
IDM requested - Toxoplasmosis . . . . . Yes
IDM requested - EBV . . . . . Yes
IDM requested - HIV status. . . . . Yes
IDM requested - HIV P24 . . . . . Yes
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
Institution paying. . . . . BEMDP-B
Acknowledgement ID. . . . . ?
Remark. . . . . ?
Global Registry Identifier. . . . . 4201000000000001445
                
```

Save to File Copy to Clipboard

Print message
 Reserve donor
 WMDA report
 Result of IDM req.
 No result
 Deny request
 New text message
 New warning
 OK

The requested IDM's include : the blood group and rhesus, CMV status, toxoplasmosis, EBV, HIV status, HIV p24 antigen, Antibody to hepatitis B surface antigen, Antibody to hepatitis B core antigen, Antigen to hepatitis C virus, Lues status, Alt (alanine aminotransferase) and Antibody to HTLV1.V2.

Several requests for the same patient – donor pair are possible, but each message has to be answered by a result message, but it is recommended to avoid multiple requests.

The result has to be sent by clicking on , the same window screens will be offered as in the result screen after a blood sample request. Please note that the IDM's have to be updated in the donor's record, before being able to send via EMDIS

IV.III.4. CBU report request (CBU_REQ)

It is possible to print the message, have a WMDA printout, reserve the donor, send txt messages and warnings, and deny the request.

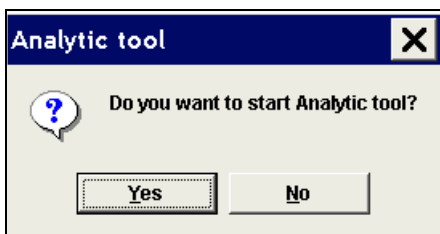
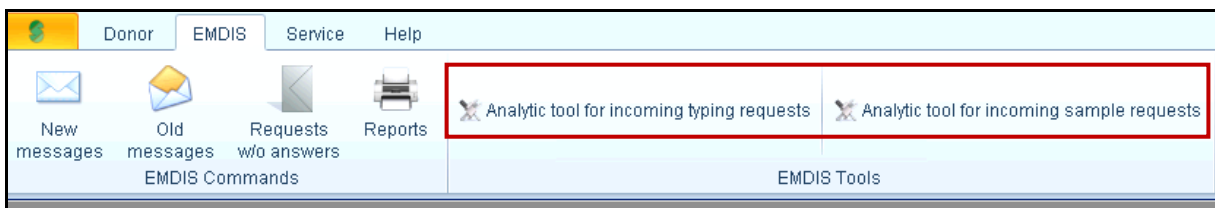
IV.III.5. Reservation request (RSV_REQ)

It is possible to print the message, have a WMDA printout, reserve the donor, send txt messages and warnings, and deny the request.

IV.VI. ANALYTICAL TOOL: INCOMING TYPING REQUESTS – INCOMING SAMPLE REQUESTS

The analytical tool gives an overview of all received typing requests or sample requests.

Go to:



Select the period for which you want to print the incoming typing request by selecting date from:

Select the date range

From: 23/10/2018


To: 23/10/2018

Show All

OK Cancel


Preparing typing requests data...

Cancel

The analytical tool gives an overview of all received typing requests or sample requests. Clicking on  enables you to make a selection of columns to you wish. Further tool options are explained in [chapter II.X. Analytical tool](#).

Analytic tool for incoming typing requests

Drag a column header here to group by

 Patientr Donornu Hub

Click here to show/hide/move columns

The first time you login, you have to set your columns settings, your selection will be saved for future login sessions.

Analytic tool for incoming typing requests

Drag a column header here to group by that column

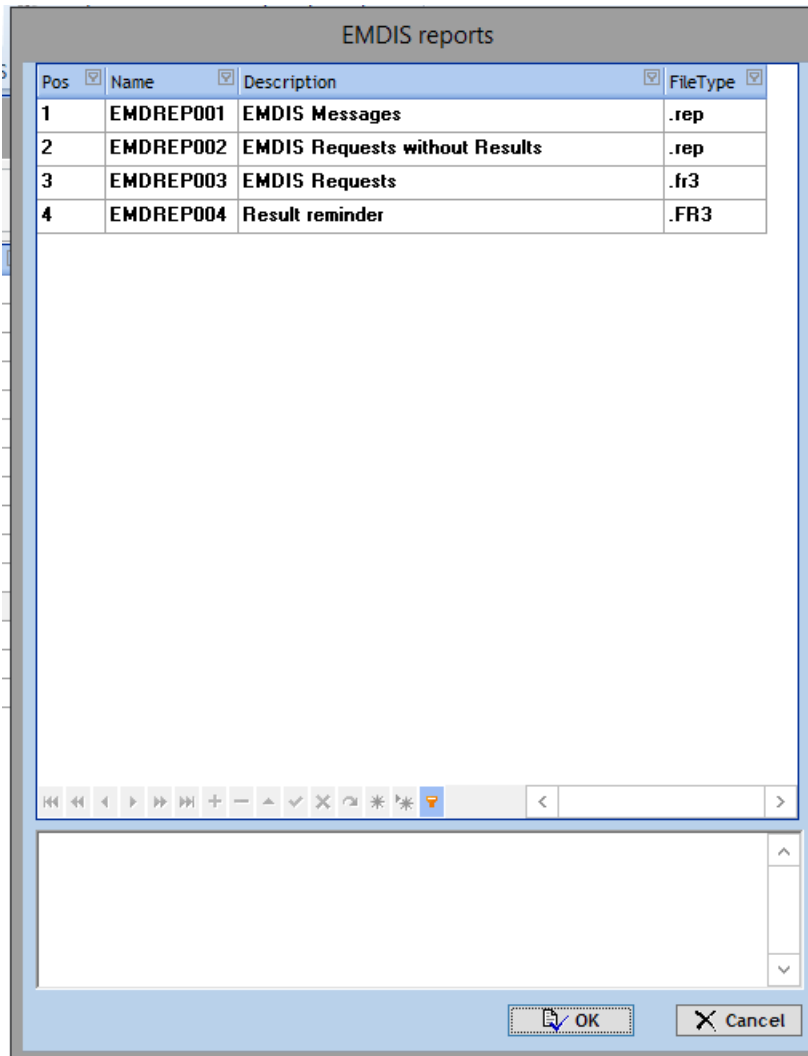
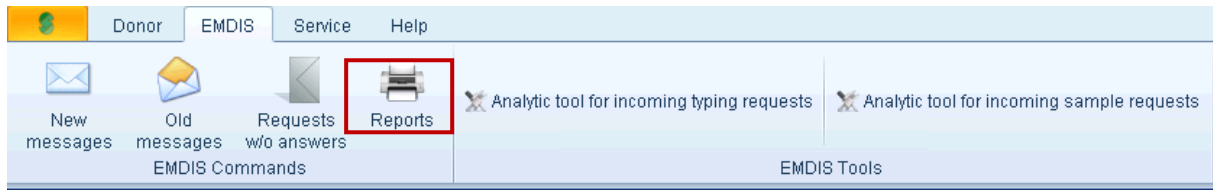
Patientr	Donornu	Hub	REQ dat	REQ stal	Patient	Donor id	RES date	NORES d
5761		FR	29/02/2008	Received,ca				
439		BE	29/02/2008	Received			21/03/2008	
4029		ES	3/04/2008	Received,ca			11/08/2008	
5933		DE	3/04/2008	Received			24/04/2008	
716		BE	31/01/2008	Received			18/02/2008	
708		BE	31/01/2008	Received			18/02/2008	
7657		FR	15/07/2008	Received,ca				
6196		FR	12/06/2008	Received			30/06/2008	
454		BE	12/06/2008	Received			25/06/2008	
6264		FR	19/06/2008	Received,ca				
7788		DE	19/06/2008	Received			30/06/2008	
6398		ES	26/06/2008	Received,ca				
7327		DE	26/06/2008	Received			22/07/2008	
6958		US	3/07/2008	Received			25/08/2008	
1268		BE	14/08/2008	Received,ca				
1268		BE	14/08/2008	Received,ca				
1268		BE	14/08/2008	Received			25/08/2008	
6859		DE	15/08/2008	Received,ca				
7011		US	18/08/2008	Received,ca				

Count: 250

Export data Print preview

✓ ✗ ?

IV.VII. EMDIS REPORTS



The **EMDIS REP001** report will list up all EMDIS messages (received – sent) inclusive EMDIS status:

EMDIS messages

from 6/11/2017 to 12/12/2017
Generated at 12.12.2017 15/51
Generated by TestMultiple

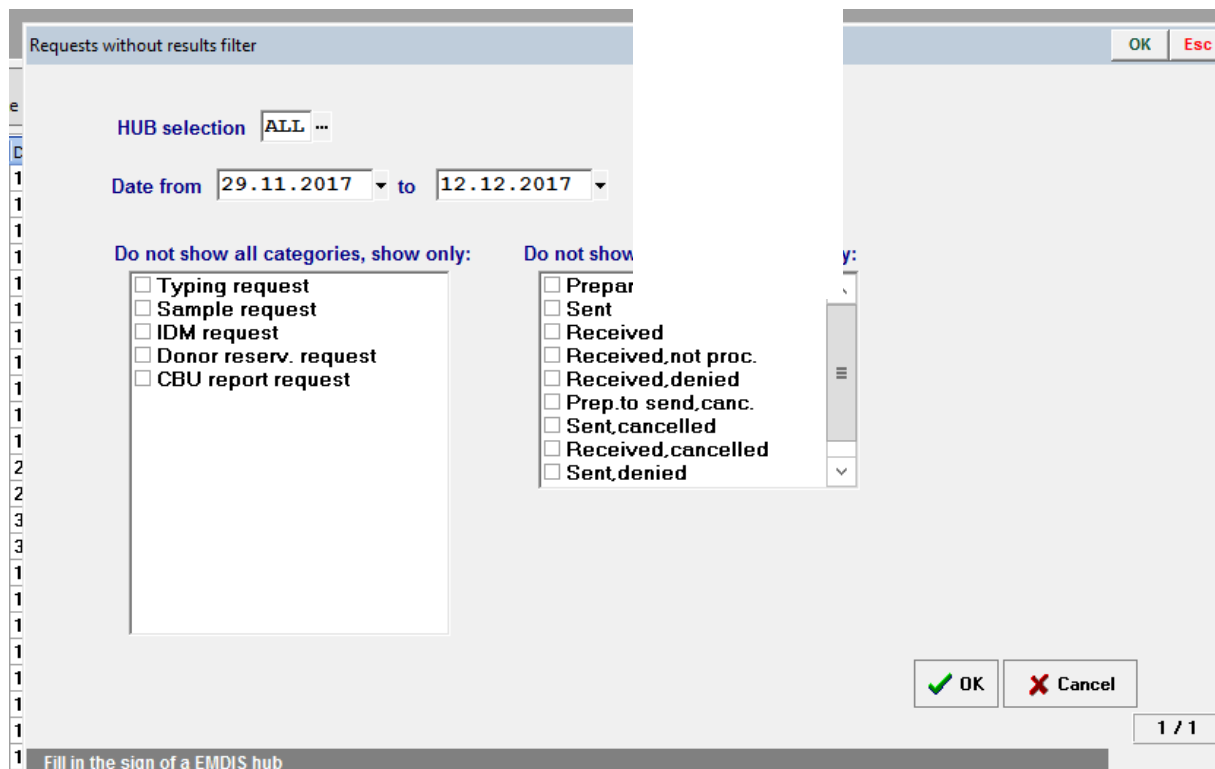


Marrow Donor Program Belgium - Registry
Molstraat 40
2800 Mechelen
Belgium

#	HUB	Date	Category	Status	Patient ID	Name
18	BE	12.12.2017	TYPREQ	Received	BE	Test4 Test4...

HUB: code of requesting Registry
Date: request date
Category: type of request
Status: EMDIS status of the message: received, sent, ...
Patient ID: patient's ID
Name: patient's name

The **EMDIS REP002** report will open the following window screen:



When you select “Typing request” and the “Received” a report with pending typing requests will be printed:

EMDIS Requests without Results

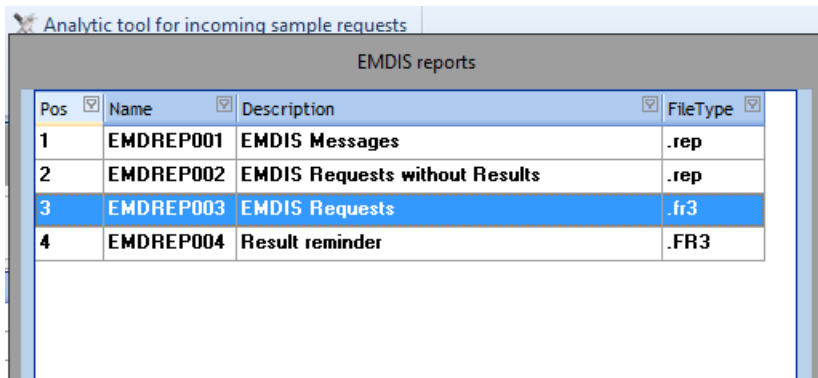
from 29/11/2017 to 12/12/2017
 Generated at 12.12.2017 15/01
 Generated by TestMultiple



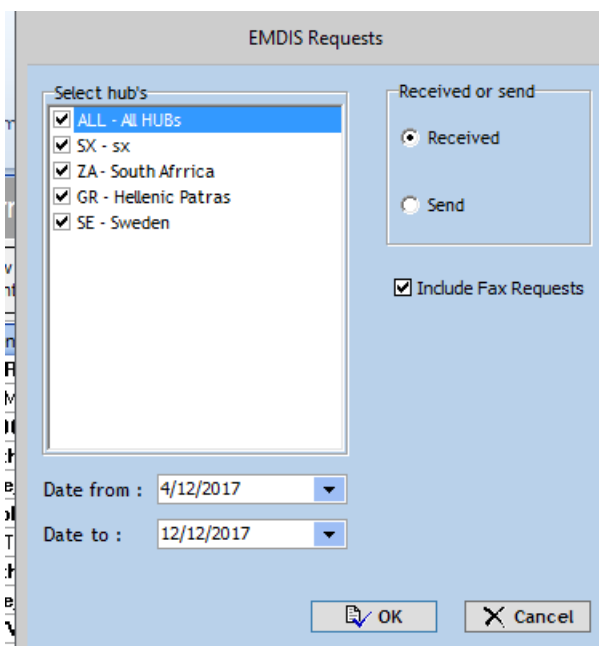
Marrow Donor Program Belgium - Registry
 Motstraat 40
 2800 Mechelen
 Belgium

#	HUB	Date	Category	Status	Patient ID	Name	Donor ID
3	BE	12.12.2017	TYPREQ	Received	BE[REDACTED]	Test4 Test4...	BEANT1

The **EMDIS REP003** report will open the following window screen:



Select the registry :



This report will count the number of typing requests, sample requests, IDM requests and Reservation requests:



Statistic report how many requests were received.

Marrow Donor Program Belgium - Registry

Motstraat 40
2800 Mechelen
Belgium

Received requests from 4/12/2017 to 12/12/2017.

Generated at 12/12/2017 15:36:08

Generated by TestMultiple

Hub	TYPREQ	SMPREQ	IDMREQ	RSVREQ
SX	0/0/0/0	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	0/0/0/0	0/0/0/0	0/0/0/0	0/0/0/0

Format in columns : Received/Canceled/Denied/All

The **EMDIS REP003** report will open the following window screen:

Pos	Name	Description	FileType
1	EMDREP001	EMDIS Messages	.rep
2	EMDREP002	EMDIS Requests without Results	.rep
3	EMDREP003	EMDIS Requests	.fr3
4	EMDREP004	Result reminder	.FR3

EMDIS Requests SMP_REQ

Select hub's

- ALL - All HUBs
- BE - Belgium
- GR - Hellenic Patras
- SE - Sweden
- SX - sx
- ZA - South Afrrica

Date from :

Date to :

This report lists the pending sample requests:

List of unanswered requests SMP_REQ	Marrow Donor Program Belgium -	
period from 10.10.2017 to 12.12.2017	Motstraat 40	
doncenter: BEDONANT1	2800 Mechelen	
	Belgium	