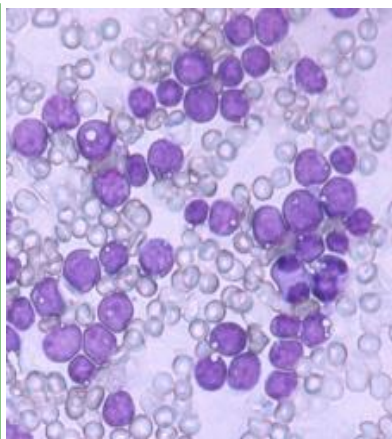


PROMETHEUS



PROMETHEUS

Software for Stem Cells Donor Registries



EMDIS messages

Mechelen, Belgium
February 2013



Steiner Ltd.
www.steiner.cz
www.steinersw.eu
www.hlasoft.com
david@steiner.cz
Prague
Czech Republic

PROMETHEUS

Content

- Physical and logical message
- DONOR_CB message categories
- Log. message folder
- Log. message status
- New and old log. message
- Relations among log. Messages
- Demonstrations



PROMETHEUS

Physical and Logical messages

- **Physical message** – it concerns EMDIS system data message. For example:
 - ***Message of the type TYP_REQ*** is a physical message
 - ***Message of the type DONOR_CB*** is a physical message (one donor in a search result)
- **Logical message** – the logical messages concern us rather more than physical messages i.e. in the way how an user comprehend them. A logical message is a group of physical messages. An user always works with logical messages. However, the physical messages are sent to abroad for example.
 - ***Search result*** is a logical message which can contain tens of physical messages of the type DONOR_CB but also others (PHEN_LIST, MATCH_SUM)
 - ***Typing request*** is a logical message which contains only one physical messages of the type TYP_REQ.

PROMETHEUS

Donor_CB

The **DONOR_CB arriving physical message** is assigned to the logical message category according to these criteria:

- If the donor status is *RS* (reserved for our patient)
=> the resulting category is "**Donor status RS**"
- If the donor status is *TU* (temporarily unavailable), *OP* (reserved for other patient) or *DE* (donor is deleted) and we had sent the request before
=> the resulting category is "**Donor status change**" (negative answer to our request)
- Concerning the patient with who we have already worked (i.e. some our request has been already created)
=> the resulting category is "**Key donor update**"
- Concerning the answer to our Preliminary request or Patient update
=> the resulting category is "**Search result**"
- Concerning the group of donors containing the donor who is *Available* and his HLA match grade is *6/6 Allele Matched*, *6/6 Potential (Allele) Matched* or *6/6 Antigen Match (Allele Mismatch)*
=> the resulting category is "**Search result upd.(!)**" (i.e. important search result update)
- Other cases
=> the resulting category is "**Search result upd.**" (less important search result update)

PROMETHEUS

Status of EMDIS messages

- **Prepared to send** – log. message prepared to be sent but it is not actually sent so processed by the ESTER system.
- **Sent** – sent log. message.
- **Received** – received log. message.
- **Prep.to send,canc.** – log. message prepared to send which was canceled before sending by an user.
- **Sent,cancelled** – sent log. message which was canceled after sending by an user.
- **Received,cancelled** – received log. message later canceled by a sender.
- **Received,not proc.** – received search request for which the ESTER system hasn't done a search yet. That's a temporary state that will change to **Received** after doing the search.
- **Received,denied** – received log. message which was by some formal reason denied, e.g. breaking the EMDIS rules.



PROMETHEUS

New and Old EMDIS Messages

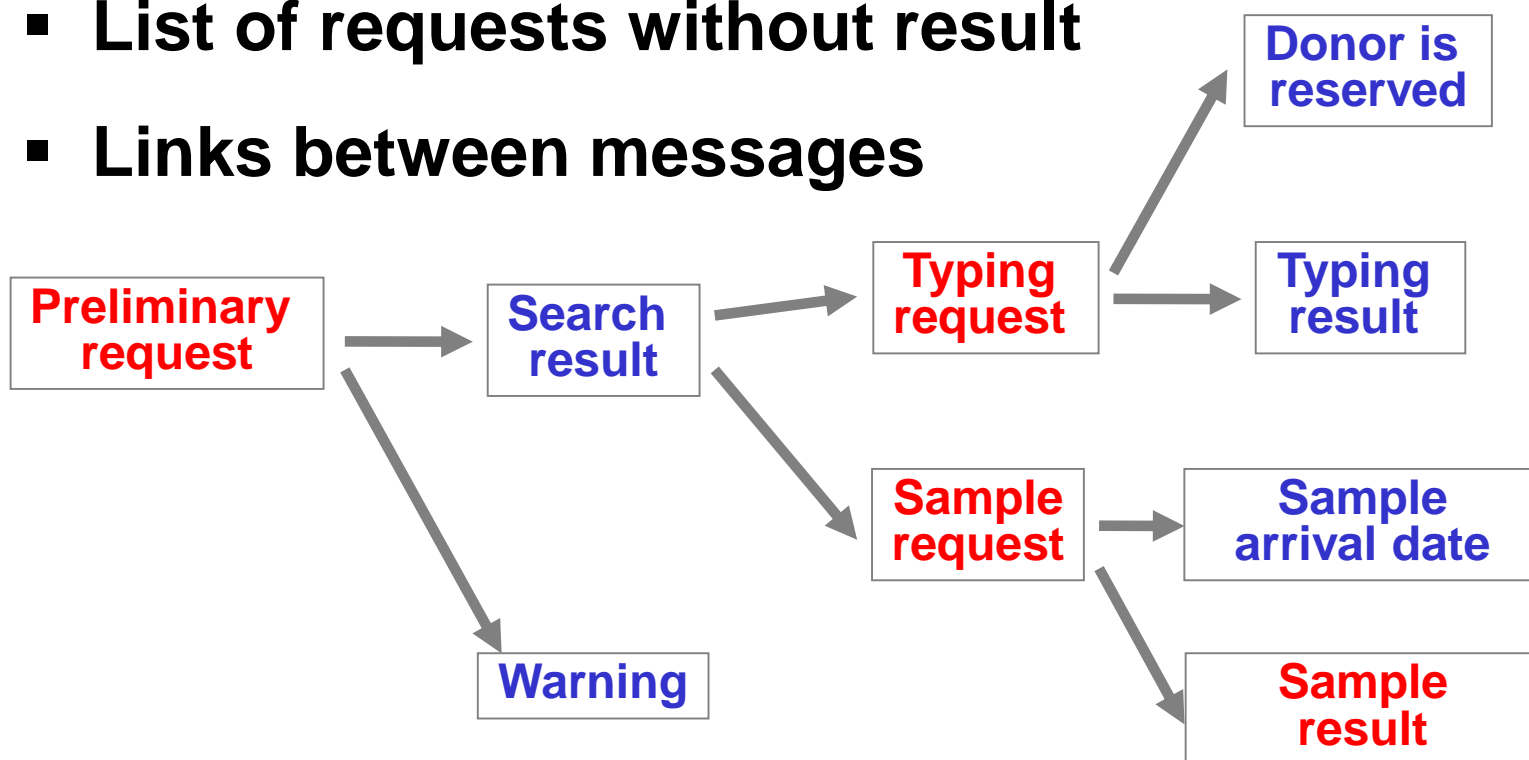
- **New** – every recently received or every recently sent message.
- **Old** – every message which was marked as already processed by an user. And administrative messages that would otherwise clutter EMDIS NEW.



PROMETHEUS

Requests and results

- List of requests without result
- Links between messages



PROMETHEUS

EMDIS Items of a Donor

- **Donor status, HLA**
- **Ethnic** – the ethnicity of the donor, an optional item
- **Donor CMV status** - an optional item
- **Date of CMV test** - an optional item
- **Toxoplasmosis** - an optional item
- **EBV status** - an optional item
- **Donor collection type**
- **Number of PBSC**
- **Number of MARROW**
- **Number of pregnancies** - the number of pregnancies of the female donor, an optional item
- **Number of blood transfusions** - the number of blood transfusions, an optional item
- **Donor height** - the height of the donor, an optional item
- **Donor weight** - the weight of the donor, an optional item



PROMETHEUS

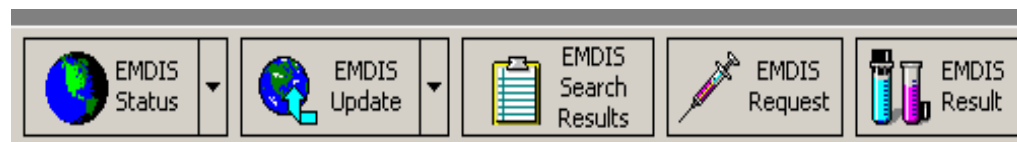
EMDIS Items of CBU's

- Collected net volume of CBU
- Volume of frozen CBU
- Collected net number of nucleated cells
- Number of nucleated cells in frozen CBU
- Collected number of CD34+ cells
- Number of CD34+ cells in frozen CBU
- Collected number of mononucleated cells
- CFU preserved
- Method of volume reduction
- CBU CT typing date
- CBU DNA available
- Maternal serum available for CBU
- Quantity of maternal serum for CBU



PROMETHEUS

Basic work with EMDIS



- Patient EMDIS Tools
- New EMDIS messages
- Old EMDIS messages
- EMDIS requests without result (New and Old)

PROMETHEUS

EMDIS Messages (EMDIS - new)

Registry

Patient

Active Patients

Local Search

Rq. w/o answ.

EMDIS - new

EMDIS - old

New EMDIS messages

Show Patient

EMDIS Search Results

Show Message

Report

Check

Update Table

Rows 39

OK	Patient's name	HUB	Category	Date	Status	Donor typ	TC	Details
<input type="checkbox"/>	Test Patient 11267	CZ	Search result	17.2.2008	Received		CZBRN	
<input type="checkbox"/>	Test Patient 529	CZ	Search result	17.2.2008	Received		CZPLZ	
<input type="checkbox"/>	Test Patient 34338	DE	Donor status RS	16.1.2008	Received	MD	CZBRN	
<input type="checkbox"/>	Test Patient 34338	DE	Result of IDM req.	16.1.2008	Received	MD	CZBRN	
<input type="checkbox"/>	Test Patient 35961	DE	Donor status RS	16.1.2008	Received	MD	CZBRN	
<input type="checkbox"/>	Test Patient 35961	DE	Result of IDM req.	16.1.2008	Received	MD	CZBRN	
<input type="checkbox"/>	Test Patient 35806	DE	Donor status RS	16.1.2008	Received	MD	CZBRN	
<input type="checkbox"/>	Test Patient 35806	DE	Result of IDM req.	16.1.2008	Received	MD	CZBRN	
<input type="checkbox"/>	Test Patient 20334	HC	Search result upd.	16.1.2008	Received		CZUHK	
<input type="checkbox"/>	Test Patient 35845	DE	Search result upd.	16.1.2008	Received		CZUHK	
<input type="checkbox"/>	Test Patient 35806	DE	Search result upd.(!)	16.1.2008	Received		CZBRN	
<input type="checkbox"/>	Test Patient 34921	DE	Search result upd.	16.1.2008	Received		CZUHK	
<input type="checkbox"/>	Test Patient 34371	DE	Search result upd.(!)	16.1.2008	Received		CZMOT	
<input type="checkbox"/>	Test Patient 34337	DE	Search result upd.	16.1.2008	Received		CZUHK	
<input type="checkbox"/>	Test Patient 29173	DE	Search result upd.(!)	16.1.2008	Received		CZUHK	
<input type="checkbox"/>	Test Patient 35845	DE	Donor status RS	16.1.2008	Received	MD	CZBRN	
<input type="checkbox"/>	Test Patient 35806	DE	Donor status RS	16.1.2008	Received	MD	CZBRN	
<input type="checkbox"/>	Test Patient 33647	DE	Donor status RS	16.1.2008	Received	MD	CZMOT	
<input type="checkbox"/>	Test Patient 33647	DE	Donor status RS	16.1.2008	Received	MD	CZMOT	
<input type="checkbox"/>	Test Patient 36069	FR	Key donor update	16.1.2008	Received	MD	CZMOT	
<input type="checkbox"/>	Test Patient 37113	AT	Search result upd.	16.1.2008	Received		CZUHK	
<input type="checkbox"/>	Test Patient 17047	ES	Search result upd.	16.1.2008	Received		CZBRN	
<input type="checkbox"/>	Test Patient 34038	CZ	Search result upd.	16.1.2008	Received		CZMOT	

Double Click

PROMETHEUS

EMDIS Old

EMDIS log. messages filter OK Esc

HUB selection ALL ...

Date from 04.02.2013 to 10.02.2013

Do not show all categories, show only:

- ☐ Preliminary request
- ☐ Change patient status
- ☐ Patient update
- ☐ Search result
- ☐ Typing request
- ☐ Result of typing
- ☐ Sample request
- ☐ Sample arrival date
- ☐ Sample testing result
- ☐ IDM request
- ☐ Result of IDM req.
- ☐ Donor reserv. request
- ☐ Donor reserv. result
- ☐ Workup request
- ☐ Donor workup status

Do not show all statuses, show only:

- ☐ Prepared to send
- ☐ Sent
- ☐ Received
- ☐ Received,not proc.
- ☐ Received,denied
- ☐ Prep.to send,canc.
- ☐ Sent,cancelled
- ☐ Received,cancelled
- ☐ Sent,denied

Steiner Ltd
www.steiner.
www.steinersw.eu
www.hlasoft.com
david@steiner.cz
Prague
Czech Republic

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ISO 2
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✓ OK ✗ Cancel ? F1

1 / 1

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Emdis Message

Test Patient 35845, CZ35845P - Sample request, Prepared to send

General	Physical messages	Content
Registry sending the message. CZ		
Registry receiving the message. IT		
Patient identification.		
Donor identification.		
Request date.		
Reference code. 171091CZ1		
First product required. EDTA		
First product quantity per tube 5		
Number of tubes for the first product 1		
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 7.2.2013		
Latest date of sample reception ?		
Weekdays acceptable for reception - Monday. Yes		
Weekdays acceptable for reception - Tuesday Yes		
Weekdays acceptable for reception - Wednesday Yes		
Weekdays acceptable for reception - Thursday. Yes		
Weekdays acceptable for reception - Friday. Yes		
Weekdays acceptable for reception - Saturday. No		
Weekdays acceptable for reception - Sunday. No		
Institution the sample has to be sent to. CZHLAUHKT		
Institution paying. CZCBMD		
Urgent. ?		
Remark. ?		

Save to file Copy to clipboard


Print message
 New result
 No result
 Deny request
 New text message

Update donor
 WMDA report
 Reminder
 Cancel request
 New warning


PROMETHEUS

Donor's EMDIS messages

Donor BE157427D -

 Edit
  Reports
  HLA Codes
 

Donor Record | EMDIS messages [2] | Attached Files [0] | Donor Notes [-]

 Show Message
  Show Patient
  Report ▼
  Update table

OK	<input type="checkbox"/>	Patient's name	<input type="checkbox"/>	HUB	<input type="checkbox"/>	Category	<input type="checkbox"/>	Date	<input type="checkbox"/>	Status	<input type="checkbox"/>	Patient ID	<input type="checkbox"/>	TC	<input type="checkbox"/>	De
<input type="checkbox"/>				BE		Service cannot be doi		4/02/2013		Message		BE60103P		BETRAVUB1		
<input type="checkbox"/>				BE		Sample request		21/01/201		Received		BE60103P		BETRAVUB1		

PROMETHEUS

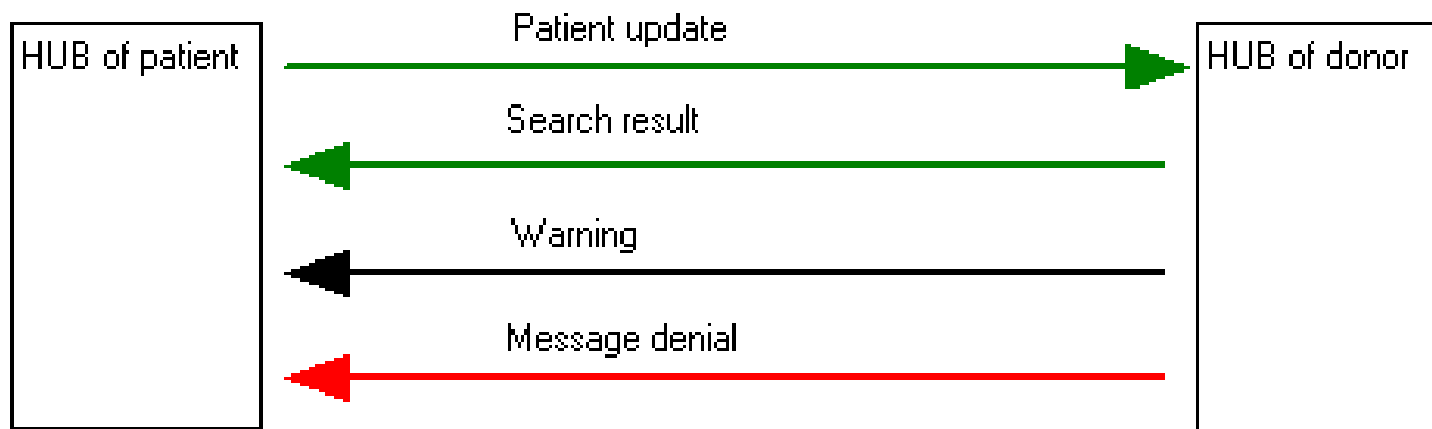
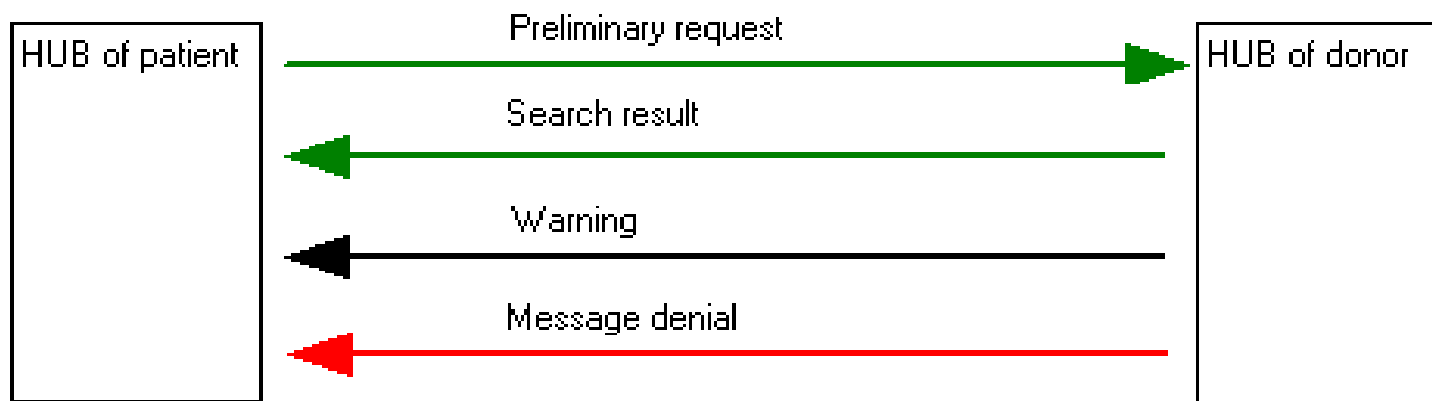
EMDIS communication rules

- EMDIS Documentation
- Prometheus Documentation
- Patient side and donor side
- BE SOP's and Manual



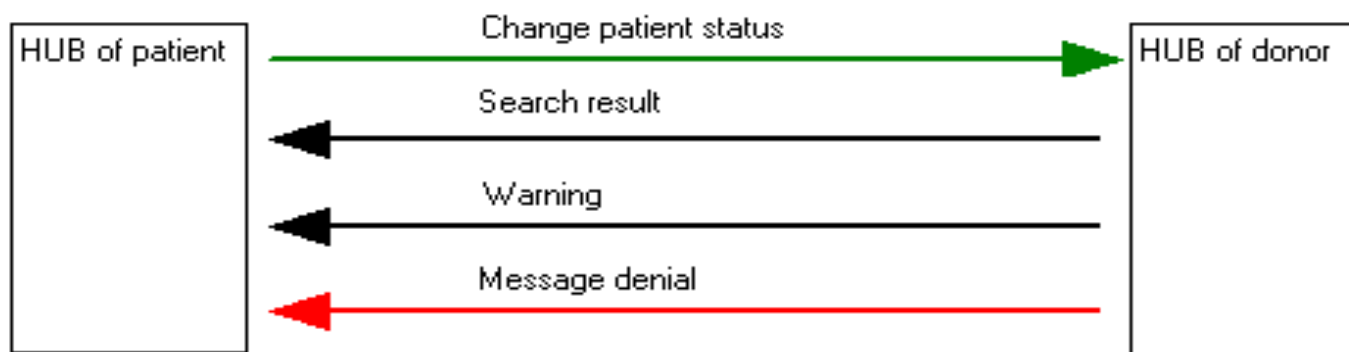
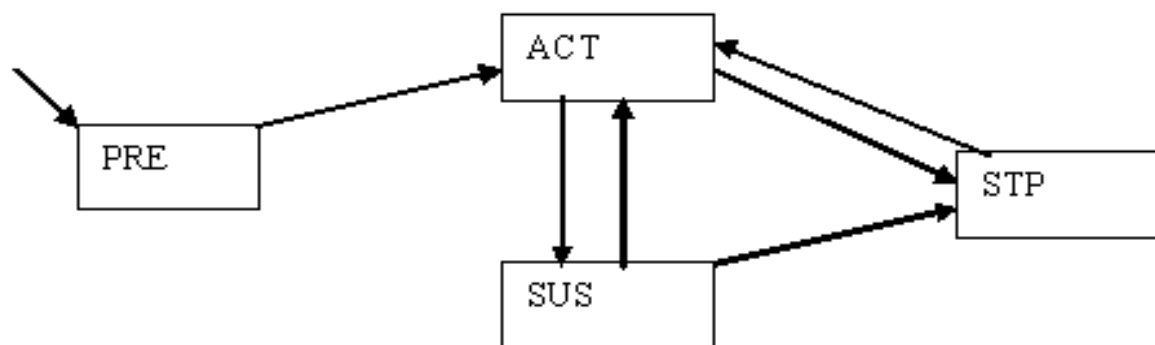
PROMETHEUS

Preliminary Request and Patient Update



PROMETHEUS

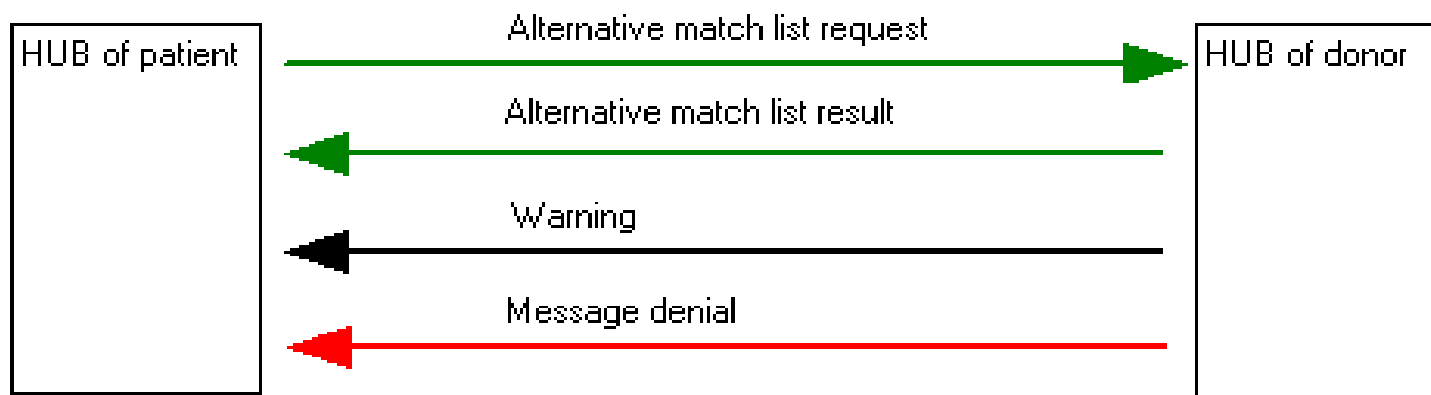
Change Patient Status



PROMETHEUS

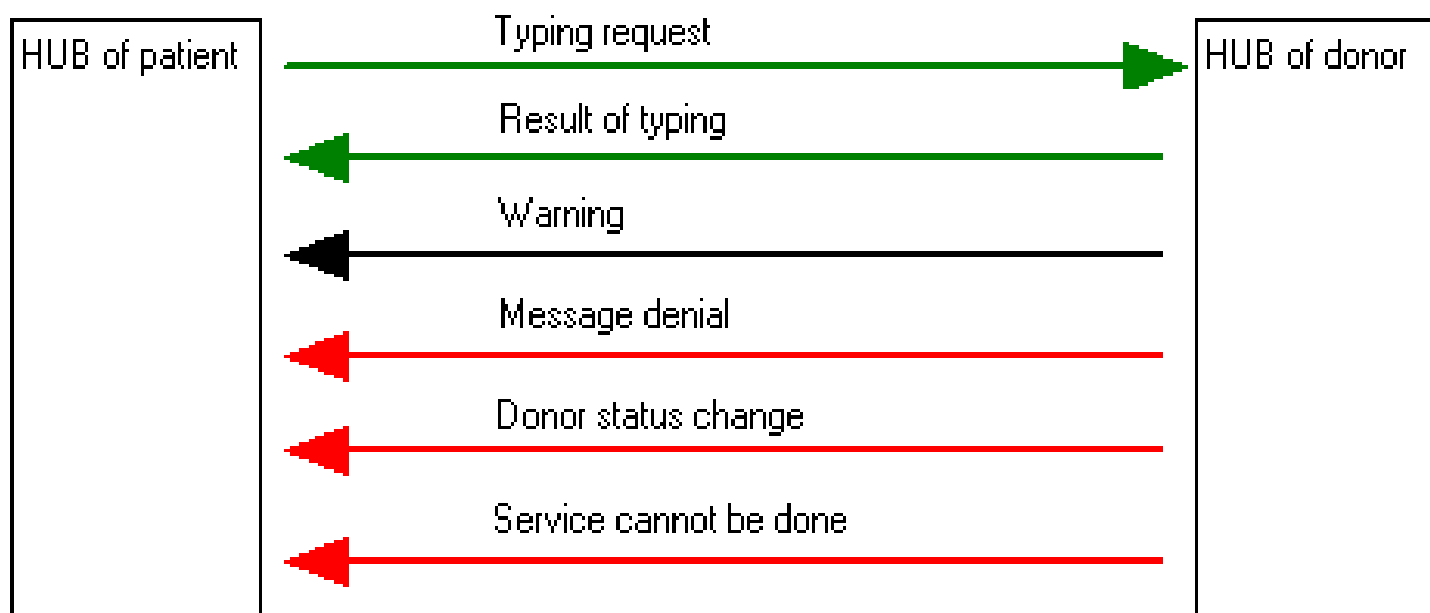
Alternative Match List Requests

- Simple mechanism to obtain mismatched donors for a patient.
- Provides cord blood units with up to two major antigen mismatches (as usual) with regards to the phenotype given.
- The alternative phenotype does not go into the repeat search process.



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Typing Request



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ISMS

ISO 27001:05

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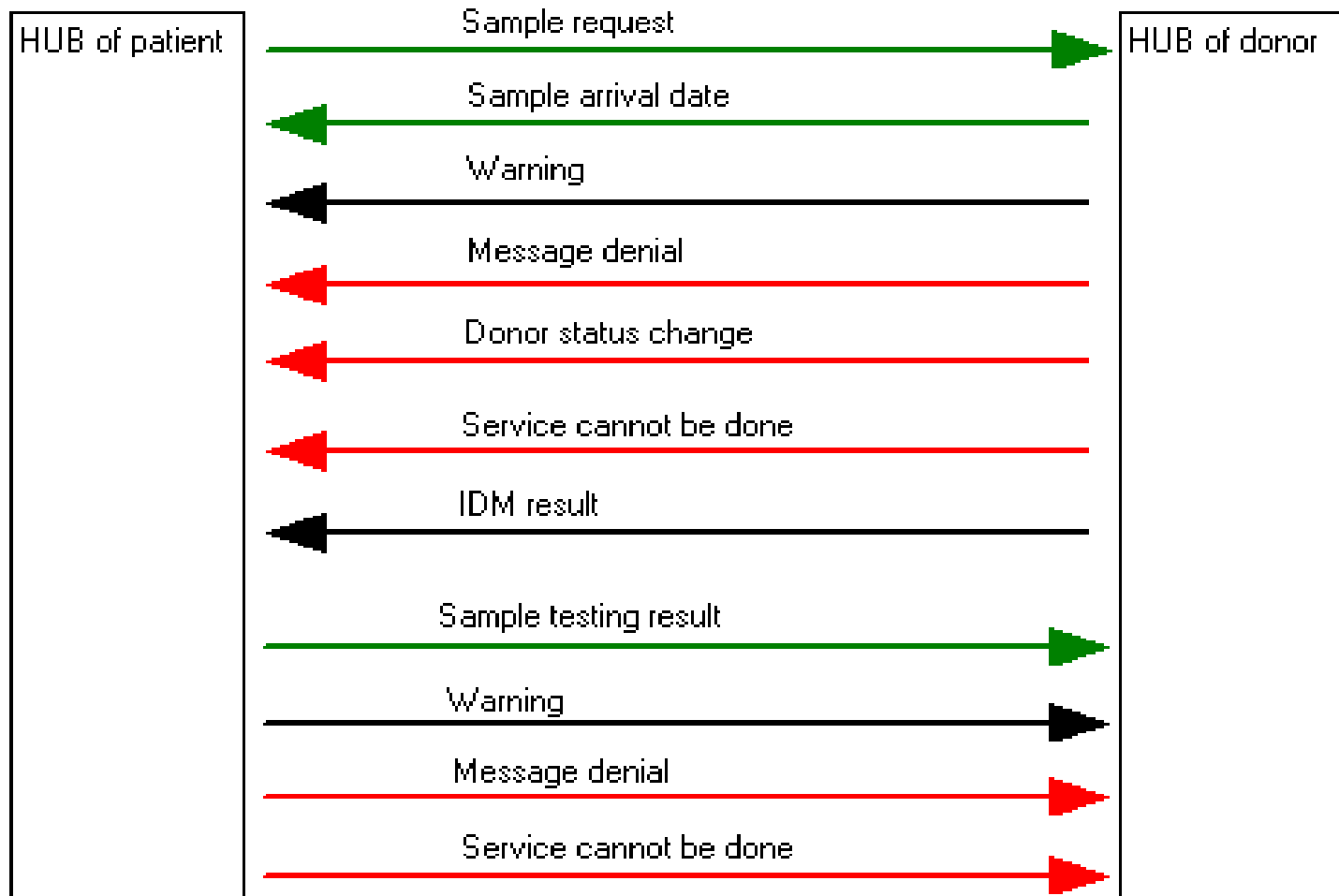
david@steiner.cz

Prague

Czech Republic

PROMETHEUS

Sample Request

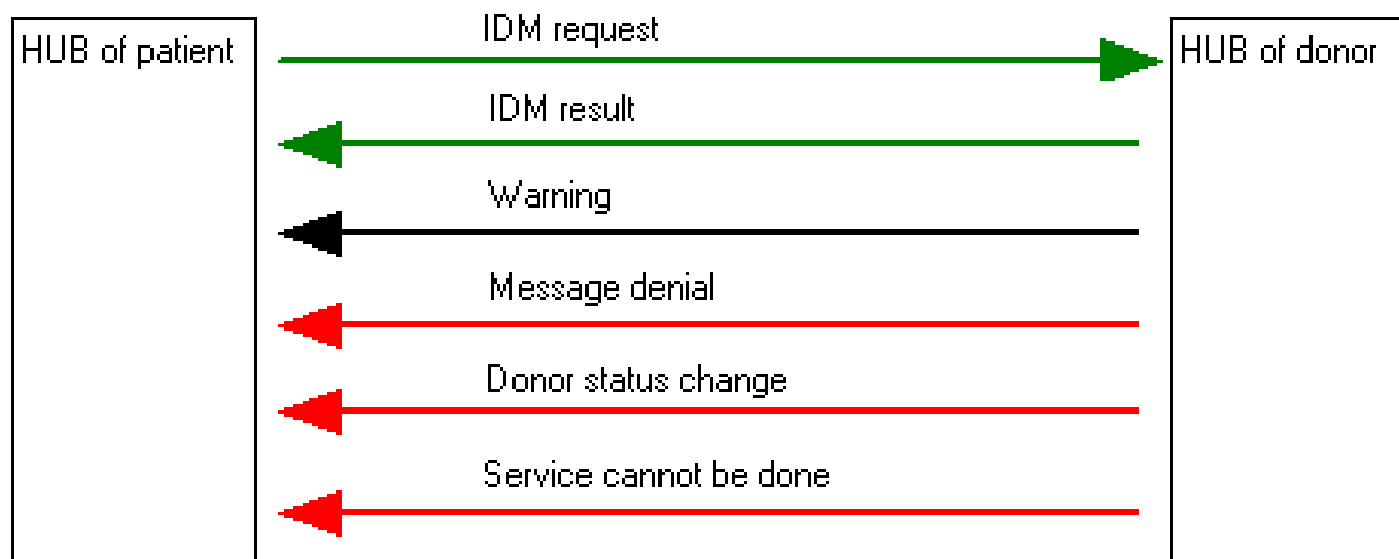


PROMETHEUS

IDM Request

Not used very often

Registries send IDM results to CT requests as policy



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ISMS

ISO 27001:05

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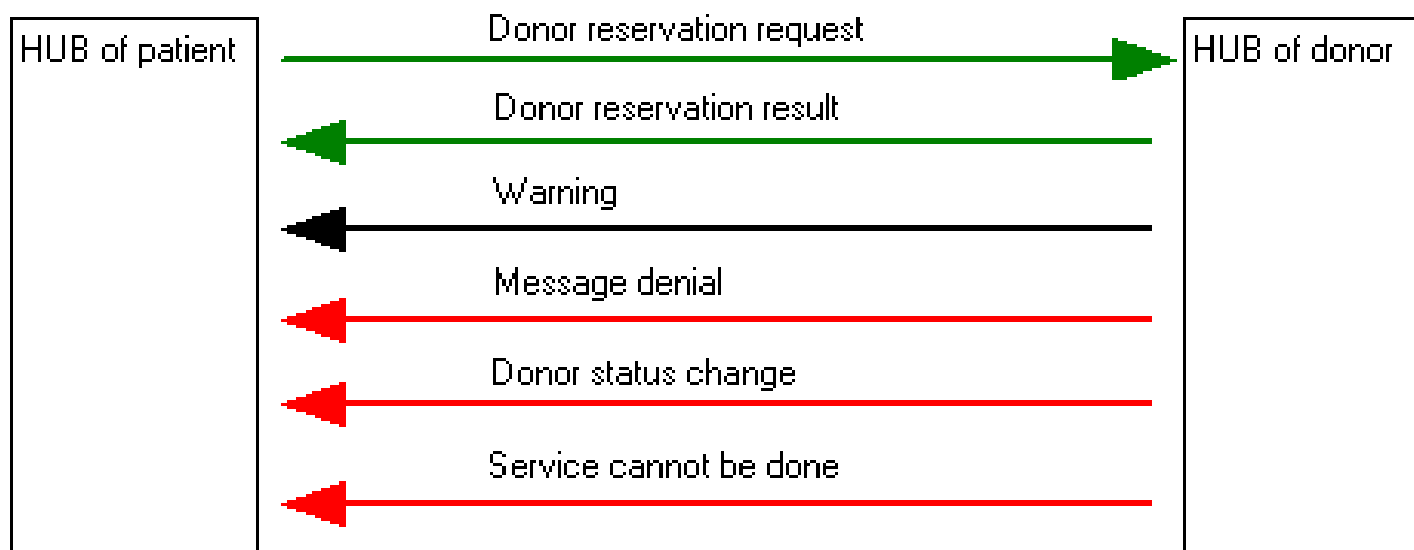
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PROMETHEUS

Donor Reservation Request

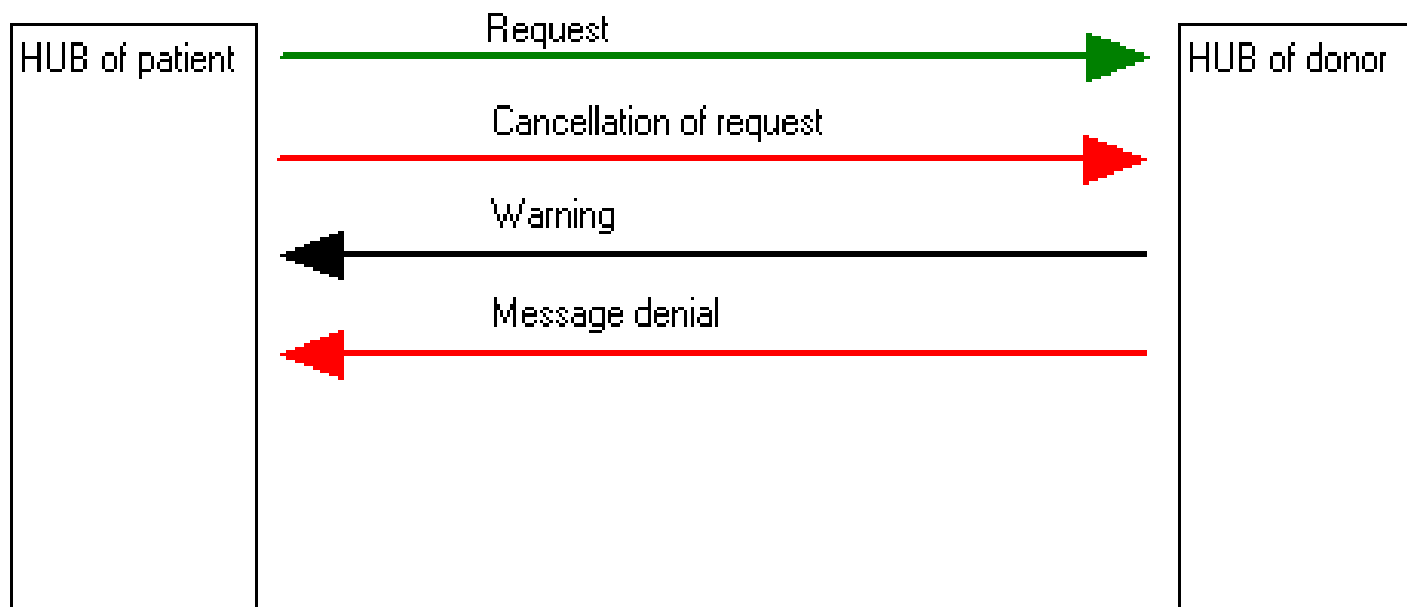
Not Frequently Used – Registries reserve donors as policy
Requires a Reservation Result



PROMETHEUS

Cancellation of a Request

Note: different behaviour with a “Prepared to send” and a “Sent” message



PROMETHEUS

CBU report request

- No EMDIS supported format of CBU report
- Request contain Email and FAX details
- Request contains preferred result method



PROMETHEUS

Internal EMDIS requests and results

System allows to create these internal EMDIS messages:

- Preliminary request
- Patient update
- Change patient status
- Search result
- Search result upd.
- Typing request
- Result of typing
- Sample request
- Sample arrival date
- Sample testing result
- IDM request
- Result of IDM req
- No result
- Donor status change



PROMETHEUS

Internal EMDIS requests and results

System does **not** allow to create these internal EMDIS messages:

- **Alternative phenot.** - special search strategy in local database is done by internal search tool
- **Donor reserv. request** - reservation of local donor for local patient is done in evidence of donors
- **Donor reserv. result** - reservation of local donor for local patient is done in evidence of donors



PROMETHEUS

Message Reports (Print)– 1st Method

New EMDIS messages

☐ Show Patient
 ☐ EMDIS Search Results
 ☐ Show Message
 ☒ Report
 ☐ Check
 ☐ Update Table

R 53

OK	Patient's name	HUB	Category	Standard report	Donor typ	TC	Details
<input type="checkbox"/>	Test Patient 36081	DE	Result reminder	WMDA form	MD	CZUHKT	
<input type="checkbox"/>	Test Patient 35845	IT	Sample request	Print list	MD	CZBRN	
<input type="checkbox"/>	Test Patient 35845	FR	Sample request		MD	CZBRN	
<input checked="" type="checkbox"/>	Test Patient 35845	NL	Sample request	6.2.2013	Prepared to send	MD	CZBRN
<input type="checkbox"/>	Test Patient 35845	NL	Sample request	6.2.2013	Prepared to send	MD	CZBRN
<input type="checkbox"/>	Test Patient 35845	US	Sample request	6.2.2013	Prepared to send	MD	CZBRN
<input type="checkbox"/>	Test Patient 34921	CZ	Sample request	6.2.2013	Sent	MD	CZUHKT
<input type="checkbox"/>	Test Patient 34921	CZ	Typing request	6.2.2013	Sent	MD	CZUHKT
<input type="checkbox"/>	Test Patient 35805	US	Patient update	6.2.2013	Prepared to send		CZMOT
<input type="checkbox"/>	Test Patient 35805	IT	Patient update	6.2.2013	Prepared to send		CZMOT
<input type="checkbox"/>	Test Patient 35805	FR	Patient update	6.2.2013	Prepared to send		CZMOT
<input type="checkbox"/>	Test Patient 35805	DE	Patient update	6.2.2013	Prepared to send		CZMOT
<input type="checkbox"/>	Test Patient 35805	CH	Patient update	6.2.2013	Prepared to send		CZMOT
<input type="checkbox"/>	Test Patient 35805	AT	Patient update	6.2.2013	Prepared to send		CZMOT
<input type="checkbox"/>	Test Patient 35845	DE	Result reminder	30.1.2013	Prepared to send	MD	CZBRN
<input type="checkbox"/>	Test Patient 24690	US	Sample testing result	30.1.2013	Prepared to send	MD	CZUHKT
<input type="checkbox"/>	Test Patient 682	DE	Service cannot be do	30.1.2013	Message	MD	CZBRN
<input type="checkbox"/>	Test Patient 23975	DE	Sample testing result	30.1.2013	Prepared to send	MD	CZUHKT

PROMETHEUS

Message Reports (Print)– 2nd Method

Test Patient 35845 , CZ35845P - Sample request, Prepared to send

General	Physical messages	Content
Registry sending the message.		CZ
Registry receiving the message.		NL
Patient identification.		CZ35845P
Donor identification.		
Request date.		
Reference code.		171089CZ1
First product required.		EDTA
First product quantity per tube		5
Number of tubes for the first product		1
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		7.2.2013
Latest date of sample reception		?
Weekdays acceptable for reception - Monday.		Yes
Weekdays acceptable for reception - Tuesday		Yes
Weekdays acceptable for reception - Wednesday		Yes
Weekdays acceptable for reception - Thursday.		Yes
Weekdays acceptable for reception - Friday.		Yes
Weekdays acceptable for reception - Saturday.		No
Weekdays acceptable for reception - Sunday.		No
Institution the sample has to be sent to.		CZHLAUHKT
Institution paying.		CZCBMD
Urgent.		?
Remark.		?

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Steiner Ltd.
www.steiner.cz
www.steinersw.eu
www.hlasoft.com
david@steiner.cz
 Prague
 Czech Republic

PROMETHEUS

Automated Processing

Messages automatically processed by the system:

- **Preliminary Requests → Search results**
- **ALM requests → Search results**
- **Patient Status change → Status changed → Donor updates etc.**



PROMETHEUS

Typing Request

New EMDIS messages

Rows 26

OK	Patient's name	HUB	Category	Date	Status	Donor	Donor typ	TC	Details
<input type="checkbox"/>	Test Patient 34921	CZ	Sample request	6.2.2013	Received	CZ8165D	MD	CZUHKT	
<input type="checkbox"/>	Test Patient 34921	CZ	Typing request	6.2.2013	Received	CZ18341D	MD	CZUHKT	
<input checked="" type="checkbox"/>	Test Patient 1175	CZ	Typing request	30.1.2013	Received	CZ9906D	MD	CZMOT	
<input type="checkbox"/>	xxx JAMES	US	Sample arrival date	30.1.2013	Prepared to send	CZ2370D	MD	?	
<input type="checkbox"/>	xxx JAMES	US	Sample arrival date	30.1.2013	Prepared to send	CZ2370D	MD	?	
<input type="checkbox"/>	xxx AARON	US	Text message	30.1.2013	Message	CZ12057D	MD	?	
<input type="checkbox"/>	xxx AARON	US	Service cannot be done	30.1.2013	Message	CZ14945D	MD	?	
<input type="checkbox"/>	xxx AARON	US	Result of typing	30.1.2013	Prepared to send	CZ17188D	MD	?	
<input type="checkbox"/>	xxx JOSEPH	FR	Result of typing	30.1.2013	Prepared to send	CZ9502D	MD	?	
<input type="checkbox"/>	xxx JOSEPH	FR	Typing request	15.1.2008	Received	CZ9502D	MD	?	
<input type="checkbox"/>	xxx JOSEPH	FR	Typing request	15.1.2008	Received	CZ12940D	MD	?	
<input type="checkbox"/>	xxx AARON	US	Typing request	10.1.2008	Received	CZ53044D	MD	?	
<input type="checkbox"/>	xxx AARON	US	Typing request	10.1.2008	Received	CZ17188D	MD	?	
<input type="checkbox"/>	xxx AARON	US	Typing request	10.1.2008	Received	CZ14945D	MD	?	
<input type="checkbox"/>	xxx AARON	US	Typing request	10.1.2008	Received	CZ17389D	MD	?	
<input type="checkbox"/>	xxx AARON	US	Typing request	10.1.2008	Received	CZ14796D	MD	?	
<input type="checkbox"/>	xxx AARON	US	Typing request	10.1.2008	Received	CZ12057D	MD	?	
<input type="checkbox"/>	xxx AARON	US	Typing request	10.1.2008	Received	CZ14364D	MD	?	
<input type="checkbox"/>	xxx AARON	US	Typing request	10.1.2008	Received	CZ14364D	MD	?	


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Typing Result


Test Patient 1175 , CZEMOTOL1000495 - Typing request, Received


General	Physical messages	Content
Registry sending the message. CZ		
Registry receiving the message. CZ		
Patient identification.		
Donor identification.		
Request date. 30.1.2013		
Reference code. 171057CZ1		
Resolution required - HLA-A -		
Resolution required - HLA-B -		
Resolution required - HLA-C -		
Resolution required - HLA-DRB1. DNA high resolution		
Resolution required - HLA-DRB3. -		
Resolution required - HLA-DRB4. -		
Resolution required - HLA-DRB5. -		
Resolution required - DNA-DQA1. -		
Resolution required - DNA-DQB1. DNA high resolution		
Resolution required - DNA-DPA1. -		
Resolution required - DNA-DPB1. -		
Institution paying. CZCBMD		
Urgent. ?		
Acknowledgement ID. ?		
Remark. ?		


Save to file Copy to clipboard


 Print message


 Update donor


 WMDA report


 Result of typing


 No result

 Deny request

 New text message

 New warning





PROMETHEUS

Typing Result

Update Donor with Typing Results

Don't forget to validate donor

Go to original Typing Request → Send results



PROMETHEUS

Typing Result

Donor Test Donor 9906, Patient Test Patient 1175 : Result of typing OK Esc

HUB:	CZ		
Patient identification:	CZ1175P	Donor identification:	CZ9906D
Request date:	30.1.2013	Reference code:	171057CZ1

Remark

Type of sample of cord blood unit (if applicable)

PageDown = next page

✓ OK ✗ Cancel ⓘ F1

1 / 4

PROMETHEUS

Typing Result

Donor Test Donor 9906, Patient Test Patient 1175 : Result of typing

OK

Esc

Donor HLA-A, 1st antigen:	1	Donor DNA-DRB1, 1st allele:	07:XX
Donor HLA-A, 2nd antigen:	2	Donor DNA-DRB1, 2nd allele:	13:XX
Donor HLA-B, 1st antigen:	38	Donor DNA-DRB3, 1st allele:	
Donor HLA-B, 2nd antigen:	17	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:		Donor DNA-DQB1, 1st allele:	
Donor DNA-C, 2nd allele:		Donor DNA-DQB1, 2nd allele:	
Donor HLA-DR, 1st antigen:	7	Donor DNA-DPA1, 1st allele:	
Donor HLA-DR, 2nd antigen:	13	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:	

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✓ OK

✗ Cancel

? F1

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◀ ▶

PROMETHEUS

Sample Request

New EMDIS messages

Show Patient		EMDIS Search Results		Show Message		Report		Check		Update Table		# Rows 26
OK	Patient's name	HUB	Category	Date	Status	Donor	Donor typ	TC	Data			
<input type="checkbox"/>	Test Patient 34921	CZ	Sample request	6.2.2013	Received	CZ8165D	MD	CZUHKT				
<input type="checkbox"/>	Test Patient 34921	CZ	Typing request	6.2.2013	Received	CZ18341D	MD	CZUHKT				
<input type="checkbox"/>	Test Patient 1175	CZ	Typing request	30.1.2013	Received	CZ9906D	MD	CZMOT				
<input type="checkbox"/>	xxx JAMES	US	Sample arrival date	30.1.2013	Prepared to send	CZ2370D	MD	?				
<input type="checkbox"/>	xxx JAMES	US	Sample arrival date	30.1.2013	Prepared to send	CZ2370D	MD	?				
<input type="checkbox"/>	xxx AARON	US	Text message	30.1.2013	Message	CZ12057D	MD	?				
<input type="checkbox"/>	xxx AARON	US	Service cannot be doi	30.1.2013	Message	CZ14945D	MD	?				
<input type="checkbox"/>	xxx AARON	US	Result of typing	30.1.2013	Prepared to send	CZ17188D	MD	?				
<input type="checkbox"/>	xxx JOSEPH	FR	Result of typing	30.1.2013	Prepared to send	CZ9502D	MD	?				
<input type="checkbox"/>	xxx JOSEPH	FR	Typing request	15.1.2008	Received	CZ9502D	MD	?				
<input type="checkbox"/>	xxx JOSEPH	FR	Typing request	15.1.2008	Received	CZ12940D	MD	?				
<input type="checkbox"/>	xxx AARON	US	Typing request	10.1.2008	Received	CZ53044D	MD	?				
<input type="checkbox"/>	xxx AARON	US	Typing request	10.1.2008	Received	CZ17188D	MD	?				
<input type="checkbox"/>	xxx AARON	US	Typing request	10.1.2008	Received	CZ14945D	MD	?				
<input type="checkbox"/>	xxx AARON	US	Typing request	10.1.2008	Received	CZ17389D	MD	?				
<input type="checkbox"/>	xxx AARON	US	Typing request	10.1.2008	Received	CZ14796D	MD	?				
<input type="checkbox"/>	xxx AARON	US	Typing request	10.1.2008	Received	CZ12057D	MD	?				
<input type="checkbox"/>	xxx AARON	US	Typing request	10.1.2008	Received	CZ14364D	MD	?				
<input type="checkbox"/>	xxx MATEO	ES	Typing request	8.1.2008	Received	CZ4463D	MD	?				
<input type="checkbox"/>	xxx MATEO	ES	Typing request	8.1.2008	Received	CZ36520D	MD	?				
<input type="checkbox"/>	xxx ELIANA	US	Typing request	8.1.2008	Received	CZ7512D	MD	?				
<input checked="" type="checkbox"/>	xxx JAMES	US	Sample request	5.1.2008	Received	CZ2370D	MD	?				
<input type="checkbox"/>	xxx RODOLFO	US	Typing request	3.1.2008	Received	CZ5296D	MD	?				
<input type="checkbox"/>	xxx ERLENE	US	Sample request	24.12.2007	Received	CZ16749D	MD	?				

PROMETHEUS

Sample Result

Establish Availability of the Donor

Determine Sample Arrival date

Create Sample arrival date message



PROMETHEUS

Sample Arrival Date

xxx JAMES, US6647112 - Sample request, Received

General Physical messages Content

Registry sending the message.	US
Registry receiving the message.	CZ
Patient identification.	
Donor identification.	
Request date.	4.1.2008
Reference code.	12818743
First product required.	ACD
First product quantity per tube	10
Number of tubes for the first product	3
Second product required	EDTA
Second product quantity per tube.	10
Number of tubes for the second product.	1
Third product required.	CLOTTED
Third product quantity per tube	10
Number of tubes for the third product	1
Fourth product required	?
Fourth product quantity per tube.	?
Number of tubes for the fourth product.	?
Earliest date of sample reception	4.1.2008
Latest date of sample reception	?
Weekdays acceptable for reception - Monday.	Yes
Weekdays acceptable for reception - Tuesday	Yes
Weekdays acceptable for reception - Wednesday	Yes
Weekdays acceptable for reception - Thursday.	Yes
Weekdays acceptable for reception - Friday.	Yes
Weekdays acceptable for reception - Saturday.	No
Weekdays acceptable for reception - Sunday.	No
Institution the sample has to be sent to.	US503
Institution paying.	US999
Urgent.	Y
Remark.	?

Save to file Copy to clipboard

Print message Result of IDM Sample arrival date No result Deny request New text message

Update donor WMDA report Reminder Cancel request New warning

PROMETHEUS

Sample Arrival Date

Donor CZ2370D, Patient xxx JAMES: Date suggested for arrival of sample OK Esc

HUB: US

Patient identification: US6647112

Donor identification: CZ2370D Reference code: 12818743

Request date: 4.1.2008

Acknowledgement

Proposed date of sample arrival

Verbatim CT sample label ID

Remark ?

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

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✓ OK ✗ Cancel ? F1

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PROMETHEUS

IDM Report – to a Sample Request

xxx Timothy, CRCAI-17884 - Sample request, Received

General Physical messages Content

Registry sending the message.	CR
Registry receiving the message.	CZ
Patient identification.	
Donor identification.	
Request date.	
Reference code.	CRE407
First product required.	DNA
First product quantity per tube	0
Number of tubes for the first product	0
Second product required	?
Second product quantity per tube.	0
Number of tubes for the second product.	0
Third product required.	?
Third product quantity per tube	0
Number of tubes for the third product	0
Fourth product required	?
Fourth product quantity per tube.	0
Number of tubes for the fourth product.	0
Earliest date of sample reception	21.6.2006
Latest date of sample reception	?
Weekdays acceptable for reception - Monday.	Yes
Weekdays acceptable for reception - Tuesday	Yes
Weekdays acceptable for reception - Wednesday	Yes
Weekdays acceptable for reception - Thursday.	Yes
Weekdays acceptable for reception - Friday.	No
Weekdays acceptable for reception - Saturday.	No
Weekdays acceptable for reception - Sunday.	No
Institution the sample has to be sent to.	CRTNNa01
Institution paying.	CRFIN
Urgent.	?
Remark.	Please include Courier Service and Airway Bill # in Remark field of SMP A

Save to file Copy to clipboard

Print message Result of IDM Sample arrival date No result Deny request New text message

Update donor WMDA report Reminder Cancel request New warning

PROMETHEUS

IDM Request


xxx FERDINAND, DE101770 - IDM request, Received

General	Physical messages	Content
Registry sending the message. DE		
Registry receiving the message. CZ		
Patient identification. DE101770		
Donor identification.		
Request date. 10.1.2007		
Reference code. 706596		
IDM requested - Blood group and rhesus. No		
IDM requested - CMV status. Yes		
IDM requested - Toxoplasmosis. No		
IDM requested - EBV. No		
IDM requested - HIV status. No		
IDM requested - HIV P24. No		
IDM requested - Hepatitis B surface antigen. No		
IDM requested - Antibody to Hepatitis B surface antigen. No		
IDM requested - Antibody to Hepatitis B core antigen. No		
IDM requested - Antibody to Hepatitis C virus. No		
IDM requested - Lues status (Treponema pallidum). No		
IDM requested - ALT status. No		
IDM requested - Antibody to HTLV1.V2. No		
Institution paying. DE55		
Acknowledgement ID. ?		
Remark. ?		

Save to file Copy to clipboard

Print message Result of IDM req. No result Deny request New text message ✓

Update donor WMDA report Reminder Cancel request New warning ?



PROMETHEUS

IDM Result

Donor Test Donor 7375, Patient xxx FERDINAND: Result of infection disease marker request

OK

Esc

HUB: DE

Patient identification: DE101770

Donor identification: CZ7375D

Request date: 10.1.2007

Reference code: 706596

Remark

?

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✓ OK

✗ Cancel

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PROMETHEUS

IDM Result

Donor Test Donor 7375, Patient xxx FERDINAND: Result of infection disease marker request

OK

Esc

Infectious disease markers requested

Blood group and rhesus:	No	Antibody to Hepatitis B surface antigen:	No
CMV status:	Yes	Antibody to Hepatitis B core antigen:	No
Toxoplasmosis:	No	Antibody to Hepatitis C virus:	No
EBV:	No	Lues status (Treponema pallidum):	No
HIV status:	No	ALT status:	No
HIV P24:	No	Antibody to HTLV1.V2:	No
Hepatitis B surface antigen:	No		

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✓ OK

✗ Cancel

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PROMETHEUS

Donor Reservation Request

xxx Jeffrey, CRCAI-17542 - Donor reserv. request, Received

General Physical messages Content

Registry sending the message.	CR
Registry receiving the message.	CZ
Patient identification.	
Donor identification.	
Request date.	26.4.2006
Reference code.	CRE352
Date expiration of reservation.	25.6.2006
Acknowledgement ID.	?
Remark.	?

Save to file Copy to clipboard

Print message Donor reserv. result No result Deny request New text message Update donor Reminder Cancel request New warning

PROMETHEUS

Donor Reservation Result

Donor CZ17163D, Patient xxx Jeffrey: Result of donor reservation

OK Esc

HUB: CR

Patient identification: CRCAL-17542

Donor identification: CZ17163D Reference code: CRE352

Request date: 26.4.2006

Date expiration of reservation

Confirmation of reservation

Remark ?

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✓ OK ✗ Cancel ? F1

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PROMETHEUS

CBU Report Request

Kennes Bart, BE60103P - CBU report request, Received

General Physical messages **Content**

Registry sending the message.	BE
Registry receiving the message.	BE
Patient identification.	BE60103P
Donor identification.	
Reference code.	38615BE1
Email address.	mdpb-registry@rodekruis.be
Fax Number.	015 44 36 56
Preferred sending method.	?
Acknowledgement ID.	?

Save to file Copy to clipboard

Print message New result No result Deny request New text message

Reserve donor WMDA report New warning

PROMETHEUS

Text Message


Test Patient 1175 , CZEMOTOL1000495 - Typing request, Received

General	Physical messages	Content
Registry sending the message. CZ		
Registry receiving the message. CZ		
Patient identification.		
Donor identification.		
Request date. 30.1.2013		
Reference code. 171057CZ1		
Resolution required - HLA-A -		
Resolution required - HLA-B -		
Resolution required - HLA-C -		
Resolution required - HLA-DRB1. DNA high resolution		
Resolution required - HLA-DRB3. -		
Resolution required - HLA-DRB4. -		
Resolution required - HLA-DRB5. -		
Resolution required - DNA-DQA1. -		
Resolution required - DNA-DQB1. DNA high resolution		
Resolution required - DNA-DPA1. -		
Resolution required - DNA-DPB1. -		
Institution paying. CZCBMD		
Urgent. ?		
Acknowledgement ID. ?		
Remark. ?		

Save to file Copy to clipboard

Print message Result of typing No result Deny request New text message [✓]

Update donor WMDA report New warning [?]



PROMETHEUS

Text Message form

Test Patient 34338 - Text message OK Esc

HUB ...

Donor identification ... Patient identification: CZ34338P

☐ Only selected IDs

Date sent ▼

Text (1/2)

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✓ OK ✗ Cancel ? F1

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◀ ▶

PROMETHEUS

No Result

Test Patient 1175 , CZEMOTOL1000495 - Typing request, Received

General	Physical messages	Content
Registry sending the message. CZ		
Registry receiving the message. CZ		
Patient identification.		
Donor identification.		
Request date. 30.1.2013		
Reference code. 171057CZ1		
Resolution required - HLA-A -		
Resolution required - HLA-B -		
Resolution required - HLA-C -		
Resolution required - HLA-DRB1. DNA high resolution		
Resolution required - HLA-DRB3. -		
Resolution required - HLA-DRB4. -		
Resolution required - HLA-DRB5. -		
Resolution required - DNA-DQA1. -		
Resolution required - DNA-DQB1. DNA high resolution		
Resolution required - DNA-DPA1. -		
Resolution required - DNA-DPB1. -		
Institution paying. CZCBMD		
Urgent. ?		
Acknowledgement ID. ?		
Remark. ?		

Save to file Copy to clipboard

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

A red arrow points to the "No result" button.

PROMETHEUS

No Result

Donor CZ15483D, Patient xxx MARC: Service cannot be performed

OK Esc

HUB:

Patient identification:

Donor identification:

Request date:

Reference code:

Type of request:

Reason ?

Remark

FR

Reason why service cannot be performed

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

Select item by cursor move and key Enter

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✓ ✗

? F1

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PageDown = next page

PROMETHEUS

Message Denial


Test Patient 1175 , CZEMOTOL1000495 - Typing request, Received

General	Physical messages	Content
Registry sending the message. CZ		
Registry receiving the message. CZ		
Patient identification.		
Donor identification.		
Request date. 30.1.2013		
Reference code. 171057CZ1		
Resolution required - HLA-A -		
Resolution required - HLA-B -		
Resolution required - HLA-C -		
Resolution required - HLA-DRB1. DNA high resolution		
Resolution required - HLA-DRB3. -		
Resolution required - HLA-DRB4. -		
Resolution required - HLA-DRB5. -		
Resolution required - DNA-DQA1. -		
Resolution required - DNA-DQB1. DNA high resolution		
Resolution required - DNA-DPA1. -		
Resolution required - DNA-DPB1. -		
Institution paying. CZCBMD		
Urgent. ?		
Acknowledgement ID. ?		
Remark. ?		

Save to file Copy to clipboard

Print message Result of typing No result **X Deny request** New text message ✓

Update donor WMDA report New warning ?



PROMETHEUS

Message Denial

Donor CZ8165D, Patient Test Patient 34921 : Message denial

OK

Esc

HUB: CZ

Patient identification: CZ34921P

Donor identification: CZ8165D

Code operation of original message: SMP_REQ

Origin of denial: CREATED_BY_STAFF

Reference code: 171086CZ1

Explanation
Remark



PROMETHEUS

No Result vs Message Denial

Rule of thumb:

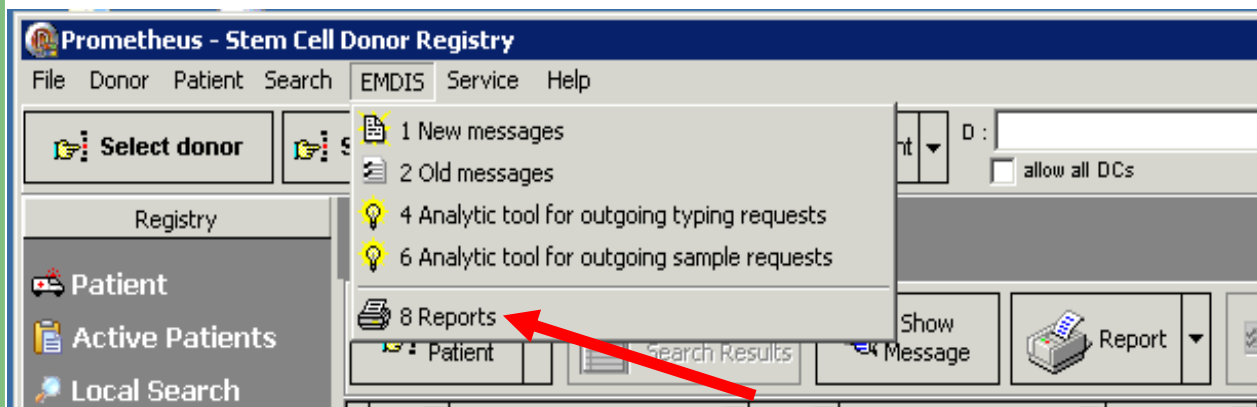
- **No Result → Donor related reason**
- **Message Denial → Patient related reason – something wrong with the request**

- **Note: A No Result cannot be sent if Donor Record is still available.**



PROMETHEUS

Reports of EMDIS messages



EMDIS reports

Pos	Name	Description	FileType
1	EMDREP001	EMDIS Messages	.rep
2	EMDREP011	Local patients in EMDIS	.rep
3	EMDREP013	Local patients in local DB	.rep

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PROMETHEUS

EMDIS messages reports – EMDIS messages

EMDIS log. messages filter

HUB selection **ALL** ...

Date from 04.02.2013 to 10.02.2013

Do not show all categories, show only:

- ☐ Preliminary request
- ☐ Change patient status
- ☐ Patient update
- ☐ Search result
- ☐ Typing request
- ☐ Result of typing
- ☐ Sample request
- ☐ Sample arrival date
- ☐ Sample testing result
- ☐ IDM request
- ☐ Result of IDM req.
- ☐ Donor reserv. request
- ☐ Donor reserv. result
- ☐ Workup request
- ☐ Donor workup status

Do not show all statuses, show only:

- ☐ Prepared to send
- ☐ Sent
- ☐ Received
- ☐ Received,not proc.
- ☐ Received,denied
- ☐ Prep.to send,canc.
- ☐ Sent,cancelled
- ☐ Received,cancelled
- ☐ Sent,denied

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OK Cancel ? F1

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PROMETHEUS

Request Without Answers

Requests that have been pending for more than XX days

Prometheus - Stem Cell Donor Registry

File Donor Patient Search EMDIS Service Help

Select donor Select patient New donor New patient D: T: CZUHKT

allow all DCs allow all TCs

Registry

Patient

Active Patients

Local Search

Rq. w/o ans.

EMDIS - new

EMDIS - old

Early warnings : requests without answers

Show patient EMDIS Search Results Show Message Report Check Update Table

OK	Patient's name	HUB	Category	Date	Last reminder date	Status	Details
<input checked="" type="checkbox"/>	Test Patient 17047	FR	Typing request	2.1.2008		Sent	
<input checked="" type="checkbox"/>	Test Patient 35388	DE	Typing request	3.1.2008		Sent	
<input checked="" type="checkbox"/>	Test Patient 35805	DE	Typing request	15.7.2011		Prepared to send	
<input checked="" type="checkbox"/>	Test Patient 35805	FR	Typing request	15.7.2011		Prepared to send	
<input checked="" type="checkbox"/>	Test Patient 33647	US	Typing request	15.7.2011		Prepared to send	
<input checked="" type="checkbox"/>	Test Patient 33647	US	Sample request	5.12.2007		Sent	
<input checked="" type="checkbox"/>	Test Patient 36069	GB	Sample request	28.12.2007		Sent	
<input checked="" type="checkbox"/>	Test Patient 29173	DE	Sample request	2.1.2008		Sent	
<input checked="" type="checkbox"/>	Test Patient 35845	DE	Sample request	7.1.2008		Sent	
<input checked="" type="checkbox"/>	Test Patient 35845	DE	Sample request	7.1.2008	7.1.2008	Sent	
<input checked="" type="checkbox"/>	Test Patient 35388	DE	Sample request	10.1.2008		Sent	
<input checked="" type="checkbox"/>	Test Patient 35388	DE	Sample request	10.1.2008		Sent	