

Matcher Version 4.4 Release Notes

Overview – what is this release for?

The main component of this release is a number of enhancements to Process Mapping resulting from feedback from many of our customers.

We have also updated the Cryo Stores screens so that you can easily see where there is free space, and provided a new layout for the cryo labels with larger text. There are also several other smaller changes and bug fixes which are detailed below.

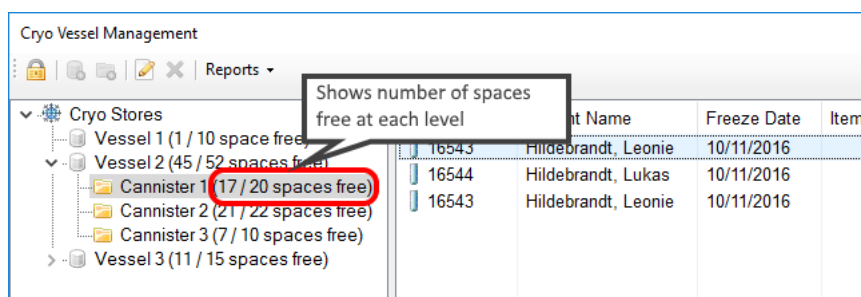
This is an update to the Matcher PC application, Pocket Matcher application and database.

What is included in this release?

1. [Ability to see available space in cryo stores](#)
 2. [Process mapping management \(administration\) enhancements to make witnessing more flexible](#)
 3. [Process mapping / witnessing enhancements to make witnessing more flexible](#)
 4. [New cryo label layouts available with larger / bold text](#)
 5. [Scanning of additional barcode types for batch / lot management reflecting the growing range of barcode types in use](#)
 6. [‘Pre-reg’ cycles are now called ‘Other’ for consistency](#)
 7. [Change to default freeze order to enhance usability](#)
 8. [View status bar on Pocket Matcher allowing you to view the time, wifi connectivity etc. whilst using Matcher](#)
 9. [View and search for manufacturer in product list, providing easier ways to find products](#)
 10. [Various other small changes and bug fixes](#)
- We have also made various other changes to make things easier for you:
11. [We now have a one-step installer / updater](#)
 12. [We are now using Mirth Connect to interface with Matcher, providing more flexibility](#)
 13. [We have a new, easier way to provide you with cycles](#)
 14. [Pre-printed ID cards available](#)

1. View available space in cryo stores

You can now **see the available space in cryo stores** in both the Tools > Cryo Stores Management screen and the Patient > Cryo screen (when adding, moving or removing items in storage). We have made this change based on feedback from several clinics.



The screenshot shows the 'Cryo Vessel Management' window. On the left, a tree view lists storage units with their available space: Vessel 1 (1 / 10 space free), Vessel 2 (45 / 52 spaces free), Cannister 1 (17 / 20 spaces free), Cannister 2 (21 / 22 spaces free), Cannister 3 (7 / 10 spaces free), and Vessel 3 (11 / 15 spaces free). A red circle highlights 'Cannister 1 (17 / 20 spaces free)'. A callout box points to the space information, stating 'Shows number of spaces free at each level'. On the right, a table lists items with columns for Item ID, Patient Name, Freeze Date, and Item.

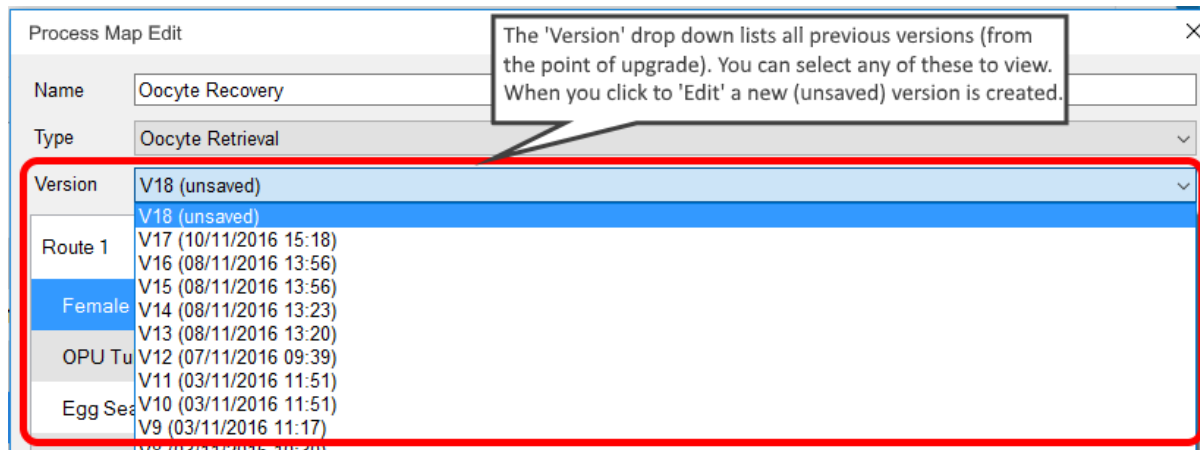
Item ID	Patient Name	Freeze Date	Item
16543	Hildebrandt, Leonie	10/11/2016	
16544	Hildebrandt, Lukas	10/11/2016	
16543	Hildebrandt, Leonie	10/11/2016	

2. Process mapping management enhancements

We have made a number of enhancements to the management of process maps (accessible from Tools > Process Mapping Management) to make process maps even more flexible and to make the management of them much easier. This functionality is available to administrators. The changes are listed below. You can find full details on the new functionality in the Matcher User Guide.



(a) **When you edit a process map, it will be saved as a new version** and you will be able to access old versions (after the date of upgrade) and revert to them if needed. You will now need to click the **Edit** button on the Process Map screen to edit a process map.



Process Map Edit

Name: Oocyte Recovery

Type: Oocyte Retrieval

Version: V18 (unsaved)

Route 1: V17 (10/11/2016 15:18), V16 (08/11/2016 13:56), V15 (08/11/2016 13:56), V14 (08/11/2016 13:23), V13 (08/11/2016 13:20), V12 (07/11/2016 09:39), V11 (03/11/2016 11:51), V10 (03/11/2016 11:51), V9 (03/11/2016 11:17)

Female: V18 (unsaved)

OPU Tube: V18 (unsaved)

Egg Search: V18 (unsaved)

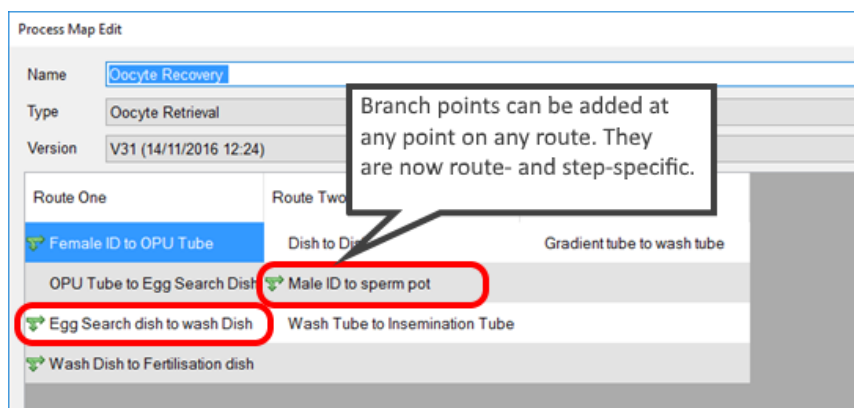
The 'Version' drop down lists all previous versions (from the point of upgrade). You can select any of these to view. When you click to 'Edit' a new (unsaved) version is created.



Good to know...

- At the time of upgrade, all existing process maps will be set to 'Version 1'.
- When you create a new version, any patients already using that process map will continue on the version that was active when they started. Any patients starting on a process map will use the latest version.

(b) **Branch points in process maps can be added at any point on any route.** Previously branch points would apply to all routes within a process map.



Process Map Edit

Name: Oocyte Recovery

Type: Oocyte Retrieval

Version: V31 (14/11/2016 12:24)

Route One: Female ID to OPU Tube, OPU Tube to Egg Search Dish, Egg Search dish to wash Dish, Wash Dish to Fertilisation dish

Route Two: Dish to Dish, Gradient tube to wash tube, Male ID to sperm pot, Wash Tube to Insemination Tube

Branch points can be added at any point on any route. They are now route- and step-specific.

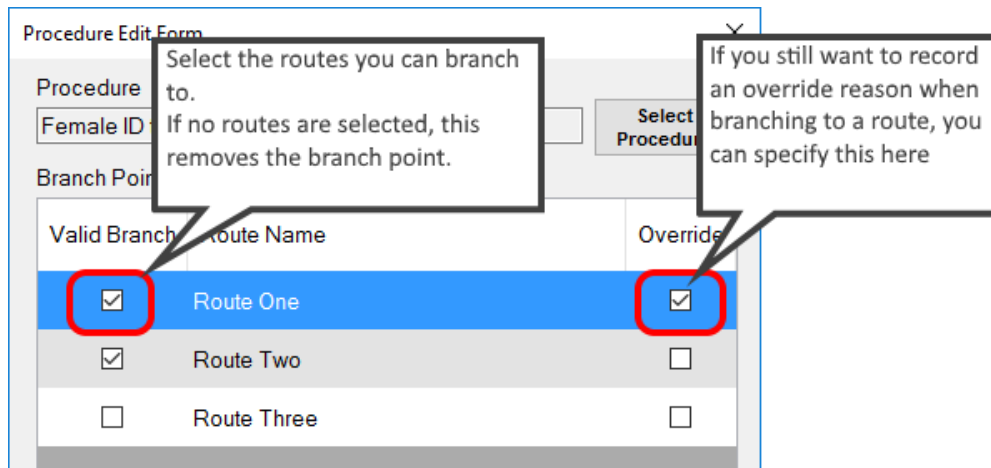


Good to know...

- When the upgrade is applied, any existing branch points will be replicated across all routes, ensuring you do not lose any that you have previously added.

- A branch point will also be added to the first step of the first route in your process maps. This ensures you can continue to choose any route when you first start witnessing on a process map, without having to record an override reason.
- You can, of course, remove or edit these branch points as you wish and take advantage of the flexibility now available.

(c) **When you add a branch point to a process map, you can specify which routes you can branch to** ('valid routes') **without** having to record an override.



Procedure Edit Form

Procedure: Female ID

Branch Point

Valid Branch	Route Name	Override
<input checked="" type="checkbox"/>	Route One	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	Route Two	<input type="checkbox"/>
<input type="checkbox"/>	Route Three	<input type="checkbox"/>

Select the routes you can branch to. If no routes are selected, this removes the branch point.

If you still want to record an override reason when branching to a route, you can specify this here



Good to know...

- When this upgrade is applied, all branch points will be set to require an override reason (except the first step of each route). This is to ensure minimal impact on your existing processes. You can, of course, then edit process maps and branch points to specify exactly where override reasons should or shouldn't be entered.

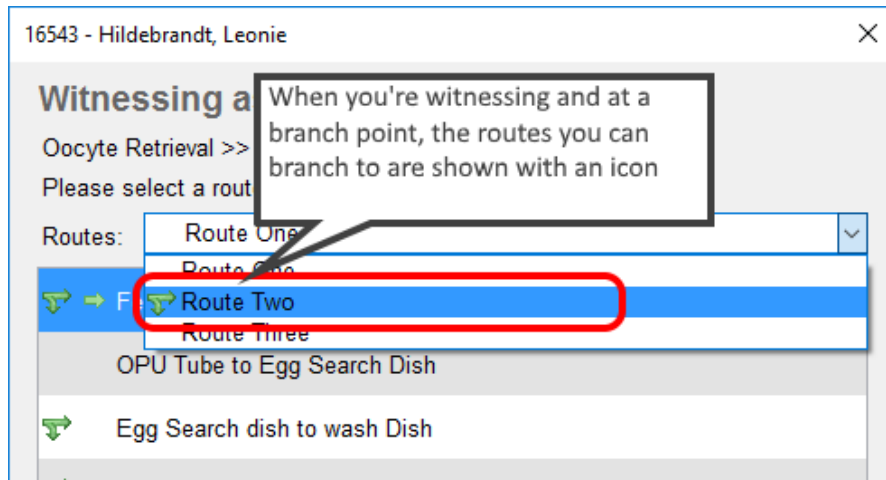
3. Process mapping / witnessing enhancements

We have made a number of changes that affect the way process maps could work when you are witnessing. Regular users won't see all these changes initially, but administrators will have the capability to make these changes.

(a) When witnessing and you branch to a valid route, **you may not be asked to specify an override reason** (in which case it will not be recorded as an override). You will not see this change until / if the configuration of your process maps is updated.

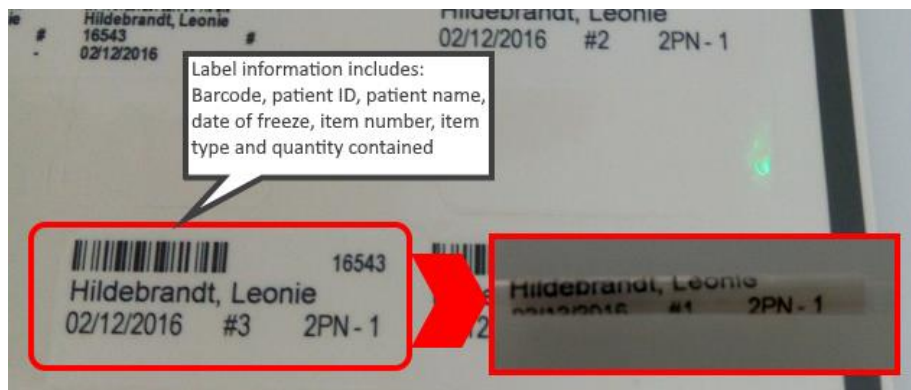
(b) **When witnessing and you branch to a different route, you will be prompted to start at the first step of the selected route.** You can, of course, choose a different step if relevant, at which point you will be asked to select an override reason (as you were previously).

(c) When witnessing and you are at a branch point, **all valid routes for that branch point will display with a branch point icon**. You can still choose a different route if you need to, and you will be requested to enter an override reason, as previously.

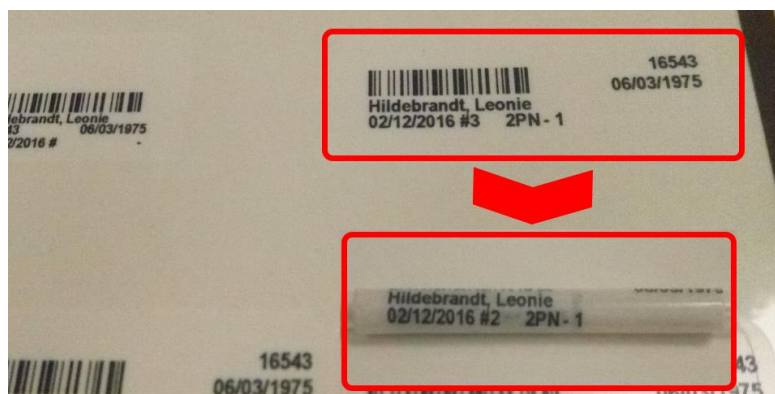


4. New cryo label layouts available

(a) A new cryo label layout (015.f) is now available for the long and small straw labels (those at the top and on the right of the label sheet). This has increased text size, with slightly less information as shown below:



(b) A new cryo label layout (015.d) is also available with some text bolded as shown below.



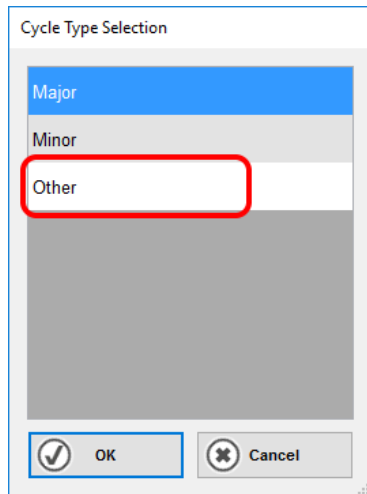
If you would like to use any of these labels, please refer to the Matcher system and administration user guide (available on request from Matcher) or let our Support Team know and they will enable the labels for you.

5. Scanning of additional barcode types for batch / lot management

You can now scan **GS1 Code 128, QR, Code 39 and data matrix barcodes** with the Pocket Matcher. This reflects the growing popularity of these barcode types on various products. If you are aware of any other types that are used at your clinic, please let our Support Team know and we can ensure that Matcher can recognise them.

6. 'Pre-Reg' cycles are now called 'Other'

'Pre-reg' cycles are now called 'Other'. This is for consistency across all Matcher clinics.



Cycle Type Selection

Major

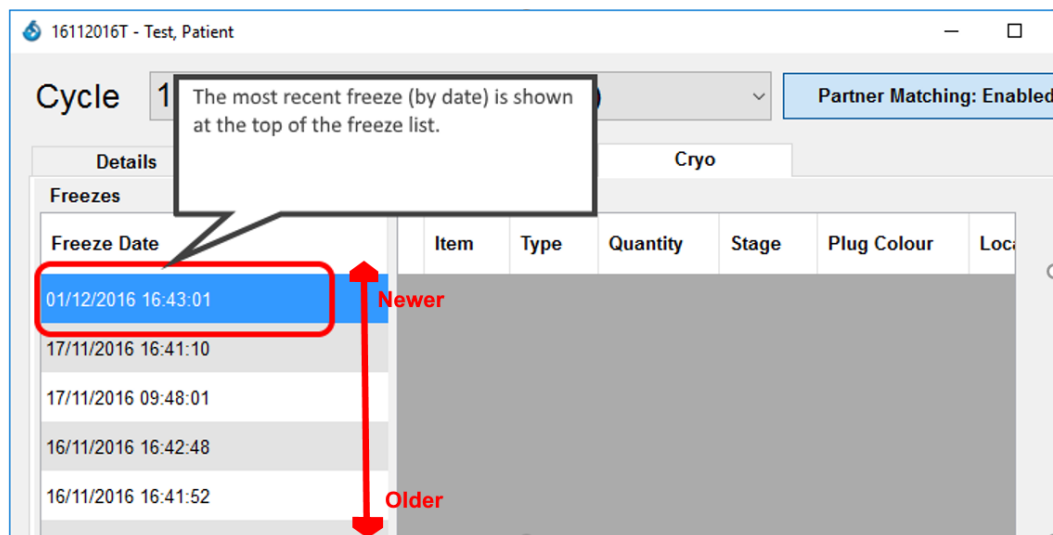
Minor

Other

OK Cancel

7. Change to default freeze order

We have changed the order of freezes listed in the Patient > Cryo tab so that the most recent freeze is at the top of the list. This means that you when you create a new freeze, it appears at the top of the list and is highlighted for you, making it more intuitive and faster to find the relevant freeze.



16112016T - Test, Patient

Cycle 1

The most recent freeze (by date) is shown at the top of the freeze list.

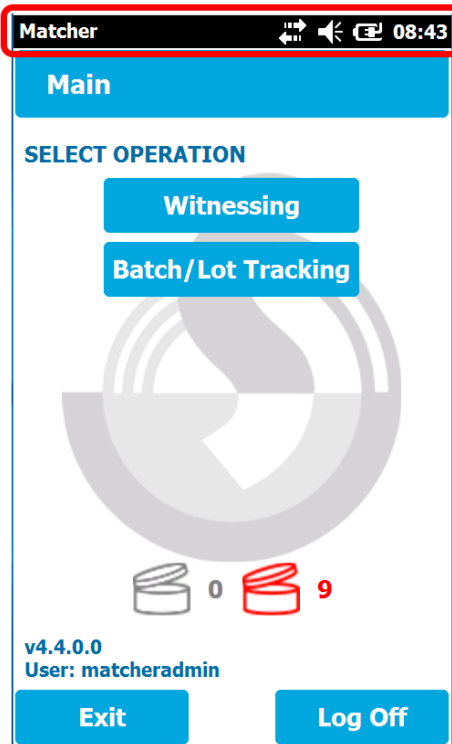
Partner Matching: Enabled

Freeze Date	Item	Type	Quantity	Stage	Plug Colour	Loc
01/12/2016 16:43:01						
17/11/2016 16:41:10						
17/11/2016 09:48:01						
16/11/2016 16:42:48						
16/11/2016 16:41:52						

Newer

Older

8. View status bar on Pocket Matcher



When Matcher is open on the Pocket Matcher, **you will now be able to view the Status bar**. This ensures you can see information such as the **time, Wi-Fi connectivity and battery status** whilst using Matcher.

As a reminder, the date and time that is recorded in all witnessing steps is taken from the Matcher server, not each individual PC / tablet or Pocket Matcher. Therefore, even if the Pocket Matcher is showing an incorrect time, it will still be recorded correctly in witnessing records.

9. View and search for manufacturer in product list

When viewing a list of products (in Tools > Batch/Lot Management or when editing a Procedure via Tools > Procedure Management) **you will now see the manufacturer for each product and you will be able to search by manufacturer** (where one is recorded).



Reminder : Administrators can add manufacturers by going to **Tools > Matcher Type Management** and selecting **Product Manufacturer Type**.

10. Various small changes and bug fixes

- (a) Fix to ensure updated version of photo ID card report is installed.
- (b) The font of some of the text on the Matcher photo ID card has been updated to print more clearly.
- (c) You can access the Matcher User Guide directly from the Help menu.
- (d) Bug fix to ensure that long / complex barcodes can be saved in Batch / Lot Tracking.
- (e) Bug fix to ensure only a single process map instance is created when witnessing on the Pocket Matcher and using the Repeat function.

- (f) Updated one of the laboratory label reports to add a clinic ID and add partner name to two sperm pot labels.
- (h) Updated the names of some of the settings in Tools > Settings to clarify their use.
- (i) We've updated the Matcher application to always access reports locally rather than in a central location. This makes maintenance and updates to Matcher easier.
- (j) Bug fix to ensure that the expiry date for batch items is recorded and displayed consistently.

11. One-step installer / updater

We now have a one-step installer making installations and upgrades much simpler for IT teams. Upgrades and installations can be completed via group policy or tools such as System Center, ZENworks or other desktop deployment tools.

12. Mirth Connect

We now use Mirth Connect to build interfaces between Matcher and other IT systems (typically hospital and patient management systems). This provides much more versatility, with full HL7 compatibility, and allows us to accept updates to patient details, for example.

13. New way of providing cycles

We have a new way of providing you with cycles without the need for us to log on to your system remotely. This means that you can apply cycles as soon as you receive them from us. Instructions are provided along with confirmation of your new cycles.

14. Clinic-branded ID cards

As a reminder, administrators can add your clinic logo to the front of patient ID cards – go to **Settings > ID card logo** to update the logo. We can also supply ID cards with clinic details pre-printed on the reverse (see examples below), providing a convenient reference for patients.



What do I need to do to implement this update?

You do not need to do anything. Our Support Team will contact your IT Team to arrange installation / upgrade during January – February 2017. This can now be done with our one-step installer making upgrades much quicker and easier.

What else do I need to do?

You do not need to do anything further; however you may want to take advantage of the new and improved process mapping functionality.

A video covering the new functionality will be available on our website : www.imtinternational.com/webinars.

You can contact the Matcher Support Team on +44 (0)1829 771 327 or by email at matcher@imtinternational.com if you have any questions.

Documentation updates

The User Guide has been updated with this release. You can find this by clicking **Help > User Guide** from within Matcher.

Are there any impacts or risks in applying this update?

- There should not be any disruption to your ongoing work during the upgrade, but access to each PC running the Matcher software will be required to perform the upgrade and Installation Qualification testing, during which it will be unavailable to use.
- This is a medium risk change as it affects existing process mapping data. It does not however make any changes to patient or witnessing data. The change has undergone testing at IMT and live beta testing.
- In the unlikely event that the system upgrade causes any negative issues, the software can be rolled back to a previous version.

Further questions

If you have any questions on this release, please contact the Matcher Support Team on +44 (0)1829 771 327 or email matcher@imtinternational.com.