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## INTRODUCTION

Patients and donors must be enrolled in OrganMatch in the Organ program, Kidney and Kidney Paired donation (KPD) pathway to be matched.

OrganMatch enrolments may be created from the Laboratory portal or the Transplantation Portal via the registration process. Using the transplantation portal, additional clinical information can be entered so this is the preferred option. Recipients and donors must be enrolled in the Kidney Program – KPD pathway to be included for KPD matching.

Refer to [Kidney Paired Donation Enrolment – Transplantation Portal, OM-027](#) for further information.

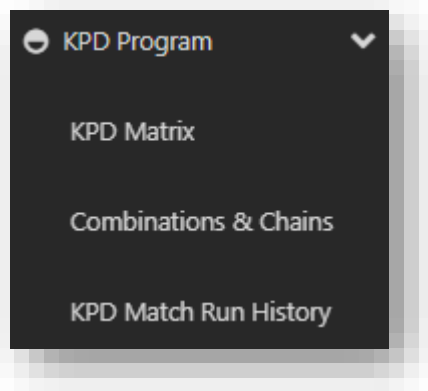
KPD matching occurs in the OrganMatch Laboratory Portal.

## PURPOSE

This document describes the process of KPD matching in OrganMatch.

KPD Program on the navigation pane contains three sections:

- KPD Matrix
- Combinations & Chains
- KPD Match Run History



### 1. KPD MATRIX

The KPD matrix displays recipients and donors enrolled in the KPD transplant pathway. The donors are listed down the page and recipients along the top of the page. Compatibility assessments yes (Y), or no (X) based on the criteria described in **Error! Bookmark not defined..3**.

The matrix is live and reflects any changes that affect the compatibility of a matched pair immediately. It includes every person who is enrolled in KPD regardless of their readiness, hold or availability status.

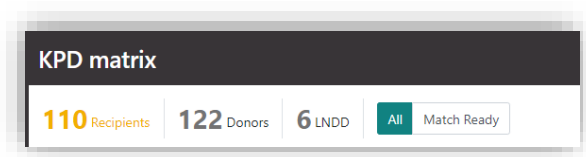
The user can click on the cell at the intersection (with the exception of a registered pair) of any pair, and access a match event to add notes, review assessment, block pair from future matching etc.

## 1.1 VIEW THE MATRIX

From the navigation pane, click KPD Program, and then click KPD Matrix.  
The KPD matrix will load with the current data.

### ALL MATCHES

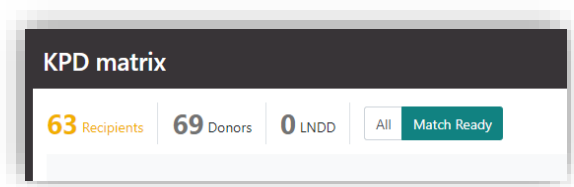
Once a patient and donor is registered on the Kidney -KPD program, the patient and donor will appear in the KPD Matrix. This view will display all patients and donors, irrespective of status or readiness.



### MATCH READY ONLY

The Enrolment status should be active for both the patient and donor, when the patient is ready to be matched. When the Readiness criteria is met and the patient and donor are active, the pair are “Match ready”.

To view the matrix with only match ready recipients and donors, click the **Match Ready** button.



## 1.2 KPD MATRIX AND KEY

KPD matrix

110Recipients

122Donors

6LND



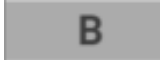

All

Match Ready

Recipients

	Donor Matches	ahWmU cGuDob	AKZT Tkeabd	AMENLb GEISCH	AurpawR sNtTwo	bCLmx mNfp	baXuzvY LpKxx	bryxXqc JEtze	bsjEvZLb FwZU	buSOVCO PwpanS	bWYj dLpF	bzaHMyC MfIsaA	CuLdWZ ZQhAm	CGFYvZ eajO	CSODR qMBIZ	CZQdPK VmngJH	DABez nSO	dBWmwy ENzLIm	DceqZPI gaeWnD	DgKYwJ CREb	eDahH LHCKa	efHwduT UIIBAG	Etdi gKce	erib jnGi	emSdGt MODIEo	EokNa aCGN	Emx ByoSn	eSalh CbWGoU	FygiP ApJFu	PXtCuD RLId	
Recipient Matches	48	1	41	1	0	1	39	0	0	2	48	10	0	8	0	47	28	36	0	0	0	48	0	2	97	1	0	98	34		
amEsAbyxG TgCQhZM	9	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	Y	X	X	Y	X
aMZBk DZIOoV	14	X	X	Y	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	Y	X	X	Y	X	
aYkUhgMZV TPKUvh	8	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	Y	X	X	Y	X	
bBsNaRT uctTi	49	Y	X	Y	X		X	Y	X	X	Y	Y	X	X	X	X	Y	Y	Y	X	X	X	Y	X	X	Y	X	X	Y	Y	
BNtxhEau NLPBp	8	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	Y	X	X	Y	X	
bRIDhM CcWd	12	X	X	Y	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	Y	X	X	Y	X	
BRNGHJL CvaqJk	8	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	Y	X	X	Y	X	
bVDxkX OxusPn	0	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CBladSny wJHYgb	39	Y	-	Y	X		X	Y	X	X	X	Y	X	X	X	X	Y	Y	X	X	X	X	Y	X	X	B	X	X	Y	Y	
cNfDP HfNmucT	11	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	Y	X	X	Y	X	
DlmWNX LOnHDp	40	Y	X	X	X		X	X	X	X	B	Y	X	X	Y	X	Y	X	-	X	X	X	Y	X	X	Y	X	X	Y	X	
DJqNxrR oEUuay	41	Y	X	Y	X		X	Y	X	X	X	Y	X	X	X	X	Y	Y	X	X	X	Y	X	X	Y	X	Y	X	Y	Y	
dQnCe eSUKg	8	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	Y	X	
dsOpaU DUBWIO	9	X	X	X	-		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	Y	X	
eOEyX rPJT	46	Y	X	Y	X		X	Y	X	X	X	Y	X	X	X	X	Y	X	Y	X	X	Y	X	X	Y	X	Y	X	X	Y	
eWvI hpndFY	46	Y	X	X	X		X	Y	X	X	X	Y	X	X	X	X	Y	Y	Y	X	X	X	Y	X	X	Y	X	X	Y	X	

The KPD matrix is colour-coded to assist with viewing possible matches.

KPD Matrix Key	
	The match is compatible
	The match is incompatible
	The eligible recipient/donor pair is blocked
	This is a Registered Pair
Blank	The status of the Matched Pair cannot be calculated as one (or both) of the match pair is not ready
Red Patient and donor names	The Name in red indicates that the person's co-registered donor or recipient has 0 matches
Find a patient in matrix	Press Ctrl F and enter name. Name will be highlighted in matrix

Hover over the matrix to display more information on the patient and donor

X	X	X	X	-	X	X	X	X	X
X	X	X	X	X	X	X	X	-	X
X	X	0084213 - 0076880				X	X	X	X
X	X	Eplet Load: -, -, Total: -				X	X	X	X
X	X	Recipient:				X	X	X	X
X	Y	DARez nSsO				X	Y	X	X
X	Y	O Pos				X	Y	X	X
X	Y	Donor:				X	Y	X	X
X	X	HLFkpR yXIGfA				X	X	X	X
X	Y	O Pos				X	Y	X	X
X	X	X	X	X	X	X	X	X	X
X	X	X	X	X	X	X	X	X	X
X	X	X	X	X	X	X	X	X	X
X	X	X	X	X	X	X	X	X	X
X	Y	X	Y	X	X	X	Y	X	X
X	Y	Y	X	X	X	X	Y	X	X

### 1.3 MATCHABLE PAIR COMPATIBILITY ASSESSMENTS

Each eligible recipient/donor pair is assigned a compatibility of yes (Y), or no (X) based on an assessment of the:

- donor and recipient's blood group compatibility (see Appendix 1 – ABO compatibility table)
- donor's HLA typing profile and the recipient's unacceptable antigen list
- donor's extended acceptance criteria, and which criteria the recipient is willing to accept

Donor and recipient's HLA typing is required, however does not impact the compatibility assessment in the matrix.

The following table shows the steps OrganMatch runs through to determine the compatibility of each eligible recipient/donor pair. The result of the compatibility assessment displays in the KPD matrix.

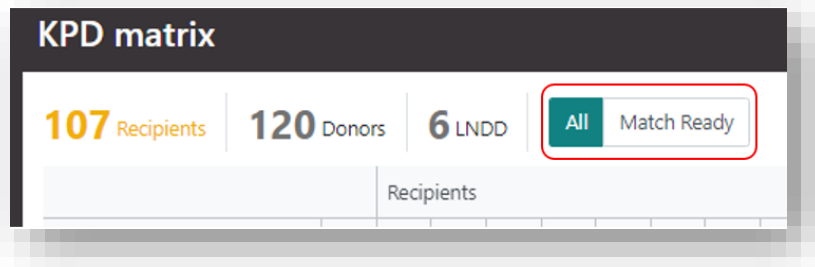
	Donor Matches	Recipients									
		ahWYmIU cGuIDob	AKZIT Tkeabd	AMEHLb GEISch	Auipbwr SsNTvo	bcLmx mNFp	beXvuzxV LpKkx	brysXlqc TJErize	bsjEvZUB FwZU	buSOVCQ PwybmS	bWYfj dzLPF
Recipient Matches		48	1	41	1	0	1	39	0	0	2
amEsAbyxG TgCQhZM	9	X	X	X	X		X	X	X	X	X
aMZBk DZIOoV	14	X	X	Y	X		X	X	X	X	X
aYkUhqMZV TPkUvh	8	X	X	X	X		X	X	X	X	X
bBsNaRT uctTi	49	Y	X	Y	X		X	Y	X	X	Y
BNTxhIEau NLPBp	8	X	X	X	X		X	X	X	X	X
bRIDhM CcWd	12	X	X	Y	X		X	X	X	X	X
BRNGHJL CvaqJjk	8	X	X	X	X		X	X	X	X	X

**Table 1: Compatibility Steps**

Step	KPD Eligible Recipient/Donor Pair Compatibility Assessment Steps	
1	ABO Blood group	<p>Compare donor and recipient ABO:</p> <ul style="list-style-type: none"> <li>If okay, then proceed to next check.</li> <li>If NOT, check ABOi rules.</li> <li>Is the recipient willing to accept ABOi?</li> <li>Is the ABO compatible as per the ABOi rules?</li> <li>If the above conditions are not met, update assessment as Not Compatible in the KPD matrix.</li> </ul>
2	Donor HLA and recipient UA	<p>Compare donor HLA and recipient UA:</p> <ul style="list-style-type: none"> <li>If no UA matches found, then proceed to the next check.</li> <li>If an UA match is found, then update assessment to Not Compatible.</li> </ul>
3	Compare the donor extended acceptance criteria with acceptance criteria selected by the recipient	<p>Compare the donor extended acceptance criteria:</p> <ul style="list-style-type: none"> <li>If the donor has extended acceptance criteria that the recipient won't accept, update the assessment as Not Compatible.</li> </ul>

## 1.4 RECIPIENT MATCH PROBABILITY

To view the recipient match probability score for each donor, click the Match Ready button.



The **Recipient Match Probability** displays below the **Recipient Matches** row.

63 Recipients

69 Donors

0 LNDD

All

Match Ready

Recipients

	Donor Matches	HuUFh RqGez	HYhTPJsp xEbZNF	jCsh nTqcSlb	JQTKV UGPOzs	LjZdOo RyqrWK	LSuQOXajf QEUhZK	ItirE RDgCX
Recipient Matches		0	25	25	2	2	34	15
Recipient Match Probability		0.00	0.36	0.36	0.03	0.03	0.49	0.22

The **Recipient Match Probability** is calculated as follows: Recipient match probability (RMP) =  $a / b$ , where,

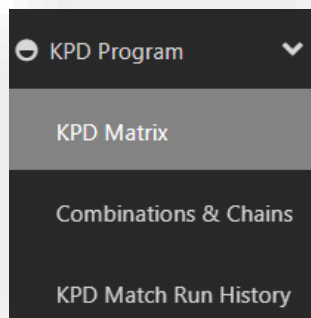
$a$  = the number of donors in the pool who are ready, and not on hold, and who have a match event compatibility of 'Y' for the given recipient

$b$  = total number of donors in the pool who are ready, and not on hold

Example:

There are 13 donors and 12 recipients in the KPD pool who are ready, and not 'on hold'. The first recipient has 3 match events shown with a match event status of Y, so  $a = 3$ ,  $b = 13$   $a/b = 3/13 = 0.23$

## 1.5 LOOK AT A MATCH EVENT



1. The KPD matrix is displayed

KPD matrix

110 Recipients

122 Donors

6 LNDD

All

Match Ready

		Recipients													
	Donor Matches	aHWymIU cGulDob	AKZIT TKeabd	AMEHLb GEIScH	AuipbwR SsNTvo	bcLmx mNFp	beXvuzxV LpKkx	bryxXlqc TJErize	bsjEvZUB FwZU	buSOVCQ PwybnS	bWYfj dzLPF	BzbhMyCi MTIsqA	CbUdWzX ZjQhAm	CGFYuvZ eajfO	CSODR qWBIZ
Recipient Matches		48	1	41	1	0	1	39	0	0	2	48	10	0	8
amEsAbyxG TgCQhZM	9	X	X	X	X		X	X	X	X	X	X	X	X	X
aMZBk DZIOoV	14	X	X	Y	X		X	X	X	X	X	X	X	X	X
aYkUhqMZV TPKUvh	8	X	X	X	X		X	X	X	X	X	X	X	X	X
bBsNaRT uctTi	49	Y	X	Y	X		X	Y	X	X	Y	Y	X	X	X
BNTxhlEau NLPBp	8	X	X	X	X		X	X	X	X	X	X	X	X	X
bRIDhM CcWd	12	X	X	Y	X		X	X	X	X	X	X	X	X	X
BRNGHjL CvaqJjk	8	X	X	X	X		X	X	X	X	X	X	X	X	X
bVDxkX OxusPn	0	X	X	X	X		X	X	X	X	X	X	X	X	X
CBlaDSny wJHYgb	39	Y	-	Y	X		X	Y	X	X	X	Y	X	X	X
cNFdP HfNmutC	11	X	X	X	X		X	X	X	X	X	X	X	X	X
DlmWNX LOnHDp	40	Y	X	X	X		X	X	X	X	B	Y	X	X	Y
DJqNxrR oEUuay	41	Y	X	Y	X		X	Y	X	X	X	Y	X	X	X



1. Click a cell at the intersection of a donor and recipient to view the match event for the eligible recipient/donor pair. Right click and open match event in a new tab to avoid the matrix requiring reloading when you return to it.



Match event

aMzBk DZIOoV RzCb...

LIVING DIRECTED DONOR

AMEhLb GEISCH TXcY

RECIPIENT

<div>Female</div> <div>48 years 11 months</div> <div>(31/05/1973)</div> <div>A</div> <div>OM ID 0071392</div> <div>OM Lab NZ</div> <div>Lab Ref GDT8640</div> <div>Person Profile</div>	<div>Male</div> <div>44 years 5 months</div> <div>(19/12/1977)</div> <div>O</div>
---	---

> Information

> Match event outcomes

## 1.6 ABOUT KPD MATCH EVENTS

OrganMatch will automatically create a new match event when:

- A person (donor or recipient) is enrolled in the Kidney KPD pathway.
- The match profile of a person (donor or recipient) enrolled in the Kidney KPD pathway is updated

If a match event already exists then a new version of the match event is created. A match event is created for every eligible recipient/donor pair. The match history of a patient can be found in the Match History section for recipient and donor

1. From the **Person details** pane, click the **Match history** section.

2. Filter the list of matched people by selecting values in the filter options fields.

Match history

View Notes

Reset Filters Export Match History Generate Report

Organ Program Transplant Pathway Algorithm Assessment Pair Blocked

All All All All

Compatibility Status Offer Status Reason for Decline Transplanted

All All All All

From Date To Date OM Lab Matched Person

dd/mm/yyyy dd/mm/yyyy All

3. Click the list item to view the match event of the matched person.

Person details

Male 46 years 4 months

OM ID 0081980 OM Lab NSW

All All

Compatibility Status Offer Status

All All

From Date To Date

dd/mm/yyyy dd/mm/yyyy

Match Details			Matched Person		
Organ Program	Pathway	Event Date	Name	OM ID	OM Lab
Kidney	KPD	27/03/2023 12:26		0083148	NZ
Kidney	KPD	27/03/2023 12:11		0085671	NZ

## 1.7 BLOCK AN AMP (ELIGIBLE RECIPIENT/DONOR PAIR)

Match Pairs can be blocked if required for the following reasons:

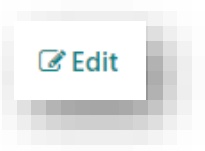
- The age difference is not acceptable.
- Location of patient and donor is logistically problematic.
- The improvement in matching is not sufficiently better than their own donor, in the case of compatible pairs.
- The match has been previously rejected by the transplant unit due to anatomical / clinical reasons.

It is possible to block an AMP (eligible recipient/donor pair).

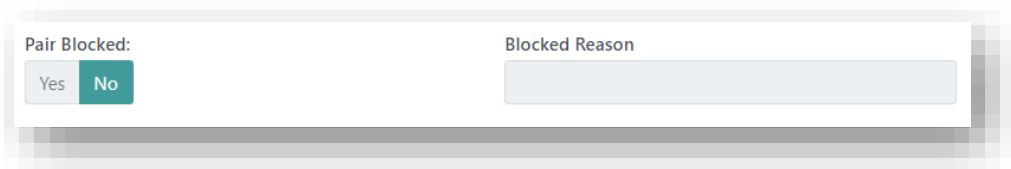
From the **Match event** pane, click the **Match event outcomes** section.

See [1.5 Look at a Match Event](#).

1. Click **Edit**.

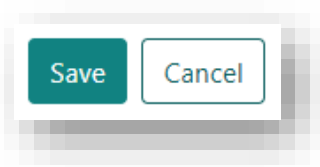


2. Click **Yes** to block the pair, or **No** to unblock a blocked pair.



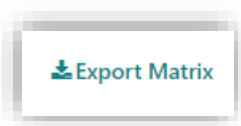
You need to add a reason for blocking a pair. This is mandatory if you click **Yes**.

3. Click **Save** or **Cancel** to cancel the action.



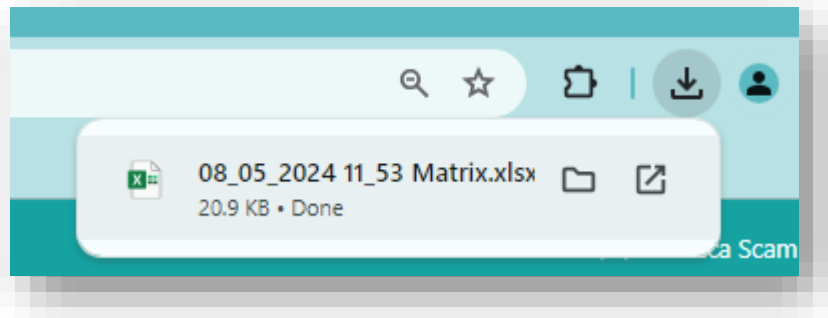
## 1.8 EXPORTING THE MATRIX

1. Select KPD Matrix and in the right-hand corner export matrix is visible.



2. Click on **Export Matrix**.

3. An excel file of the Matrix will be created. This is visible in the downloads on the menu bar. The file can be opened or downloaded from your download documents.



## 2. COMBINATIONS AND CHAINS

### 2.1 CHAINS

When an RP is ready and active, they will be matched by OrganMatch to find compatible pairs (see 1.3 Matchable Pair Compatibility Assessments). If each person in the RP is either giving to (donor) or receiving from (recipient) other RPs to form MPs, a chain of MPs is formed by OrganMatch.

### 2.2 OPEN CHAINS

A chain can be 'open' which means that it begins with a Living Non Directed Donor (LNDD) giving to a recipient. A LNDD is a donor that is registered without a registered patient. When a chain is open, it means that the final chain will result in one donor who cannot give to any KPD recipient. We call this the “End of chain Donor”. Open chains always begin with an LNDD and end with the “End of chain donor”.

The end of chain donor will be manually enrolled in the TWL pathway and the kidney will be allocated using the TWL matching process where the donor state is seen as the state of the original LNDD, not the state of the end of chain donor.

Open chains can be very long and could have hundreds of pairs potentially. Normally though the number of pairs is limited to a number less than seven. Only one LNDD should be used in a chain.

An open chain will always have:

- No duplications of either a donor or recipient in the chain,
- Only one RP donor per recipient in the chain (recipients can have multiple registered donors, however only one donor can be used in a chain)
- Only one LNDD in the chain for open chains.

## 2.3 CLOSED CHAINS

Chains can also be closed. A closed chain means that there is no LNDD, and within the group of people included, each KPD recipient and (one of) their registered donors is included.

Generally closed chains are much shorter than open chains. A closed chain will always have:

- No duplications of either a donor or recipient in the chain,
- Only one RP donor per recipient in the chain (recipients can have multiple registered donors, however only one donor can be used in a chain),
- For every donor in the chain, a matched recipient from within the chain MPs.

## 2.4 COMBINATIONS

A combination is a group of unique chains. You can create combinations in OrganMatch. When this happens, OrganMatch generates a combination for you based on criteria you set and the people currently in the KPD matrix. It will include:

- All recipients who have a match compatibility of Yes and who are Active.
- All linked donors to those recipients (there can be multiple donors per recipient) who are ready and active.

## 2.5 RANKING COMBINATIONS

OrganMatch will rank the combinations using the following rules:

Combination Ranking	
<b>Number of recipients in the combination</b>	Highest number of recipients first
<b>Average match probability of recipients</b>	Lowest match probability first
<b>Number of matched DRB1</b>	Highest number of matches first

Combination Ranking	
<b>Number of identical blood groups</b>	Highest number with identical blood groups first
<b>Maximum chain length</b>	Lowest chain length first
<b>Average waiting time of recipients in the combination</b>	Longest waiting time first

**Note:** DRB1 matches displayed as “-“ means zero matches

## 2.6 CREATE NEW COMBINATIONS AND CHAINS

New combinations for people registered in the KPD pathway can be created at any time unless there is an existing published combination.

- When you generate new combinations, the previously generated combinations will be discarded.
- However, you have the options of:
  - locking chains within a combination to ensure these are not lost, and
  - you can opt to retain the chain numbers from previously generated combinations, if the same chain is produced in the new set of combinations.
- A match event is created for each time a recipient/donor pair is considered. The match events are saved and can be looked at in a person’s match run history, even if a new set of combinations is created.
- Due to the number of chains and combinations that can be created, the system supports a maximum of 200 x 200 donor recipient pairs, 3 LNND’s per run, and a maximum chain length of 7 open chains.
- Capping of created chains will be capped at 1 million.

1. From the navigation pane, click **KPD Program**, and then click **Combinations and Chains**.

2. Click the **Create New Combinations** button in the **Combinations** section.

3. Select the runtime parameters.

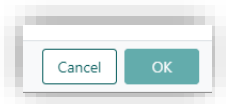
You can set:

**Retain locked chains** – whether or not previously locked chains needed to be included in the new combinations. If this is set to **Yes**, the locked chains will be included in every combination. This must be set if required. If not set to **No**

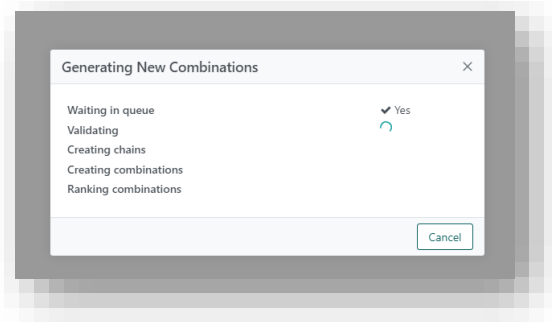
**Maximum chain length** – the maximum chain length for open and closed chains. These parameters must be set. Closed chains don't have a Living Non-directed Donors (LNDD), whereas open chains do have a LNDD.

**Retain Chain numbers** – when combinations are regenerated, if a chain is produced which was also produced when the user created the previous set of combinations, it should be shown with the same chain number as it did in the previous run.

4. Click **OK** or **Cancel**.



OrganMatch displays progress as it regenerates the sets of combinations.



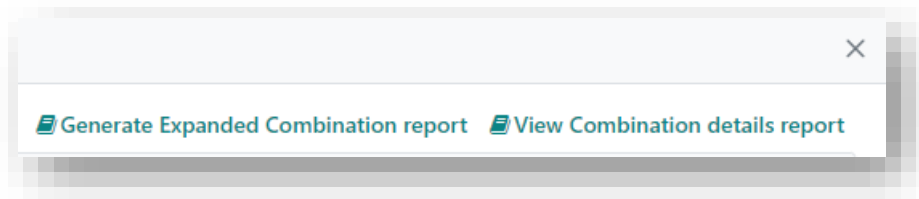
5. The latest set of combinations is displayed. The parameters you selected in step 3 are displayed, along with the time and date the set of combinations was generated.

A screenshot of the 'Combinations & chains' window. It shows a table with columns: Rank, Combination No., No. of Responses, Average RPD, KPD Matches, No. of Chains, Average RPD, No. of Responses, No. of Chains, and No. of Locked Chains. The table contains 10 rows of data. Above the table, there are tabs for 'Combinations' and 'Chains', and a 'Refresh' button.

Rank	Combination No.	No. of Responses	Average RPD	KPD Matches	No. of Chains	Average RPD	No. of Responses	No. of Chains	No. of Locked Chains
1	1	2	100	4	2	100	2	1	0
2	2	4	100	5	2	100	4	1	0
3	3	4	100	4	2	100	2	1	0
4	4	2	100	2	2	100	2	1	0
5	5	2	100	2	2	100	2	1	0
6	6	2	100	2	2	100	2	1	0
7	7	2	100	2	2	100	2	1	0
8	8	2	100	2	2	100	2	1	0
9	9	2	100	2	2	100	2	1	0
10	10	2	100	2	2	100	2	1	0



6. To produce a report of then combination details, click the specific combination from the list, and then click **View Combination details report**.



**Note:** If there are no locked chains, only single chains will be generated in the first pass at running Chains and Combinations. If a chain has been locked from this first run then subsequent runs will produce combinations of 2 or more chains which include that locked chain.

Since the introduction of continuous matching the normal process is to identify any matches for Highly sensitised recipients on the matrix, then search for that match event via the “Find AMP” function in a chain from the chains produced in the Generating New Combinations run, select the best possible chain that includes that match event and save that chain to KPD Match Run History. The pairs involved in the saved chain would be on hold due to KPD chain in both the KPD enrolment. The process is then repeated until no more possible chains can be identified and saved. The TWL enrolment status remains the same until the ANZKX team offer the match to the transplant unit and the Offered Date is populated in the match event. Once this occurs the TWL enrolment is updated to on hold due to KPD chain.

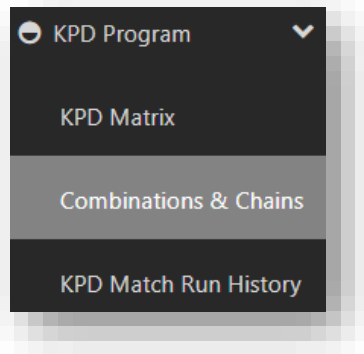
Once a chain is saved the process needs to be repeated to regenerate a new batch of possible chains from the remaining active pairs in the matrix.

## 2.7 LOOK AT COMBINATIONS AND CHAINS

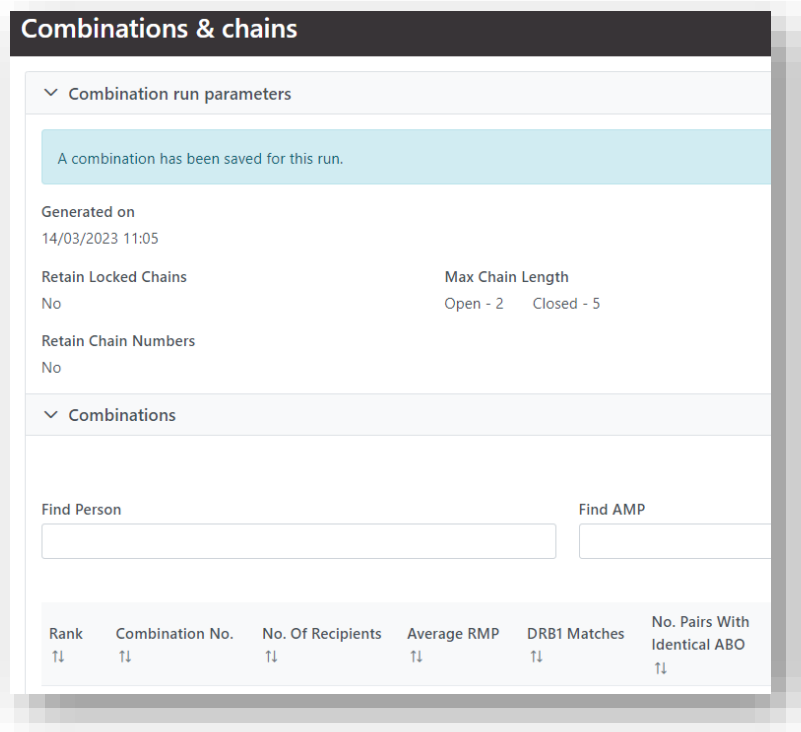
Once the combinations have been generated you can look at these along with the chains that they are formed from.

### COMBINATION

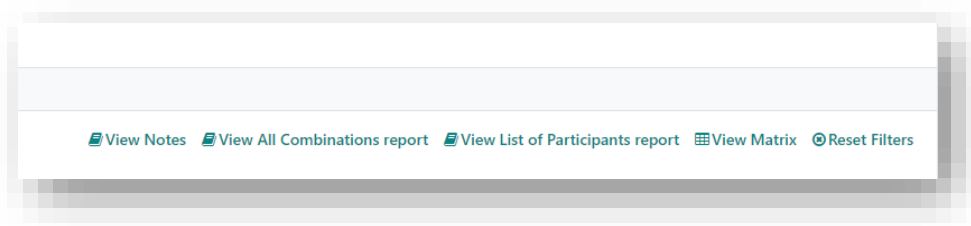
1. From the navigation pane, click **KPD Program**, and then click **Combinations and Chains**.



2. You will see the **Combination run parameters** that were used to create the latest combinations in the top section.



3. Look at the **View All Combinations report** and the **View List of Participants report** by clicking on the links.



4. Click **View Matrix** to view a snapshot of the KPD matrix taken when the combinations were formed by. Note that this is a read-only snapshot and may not accurately reflect the current situation.

KPD Matrix Read-Only Snapshot

63 Recipients69 Donors0 LNDD

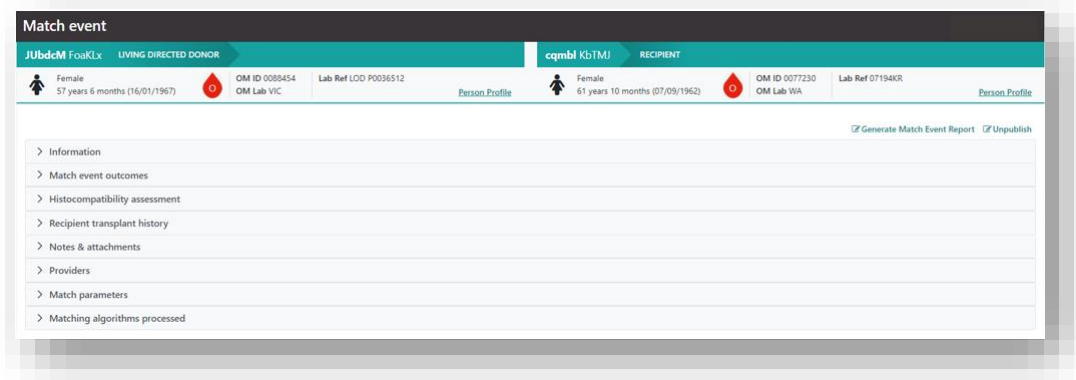
Donor Matches																			Recipients									
Recipient Matches		0	1	0	0	2	0	5	27	0	0	0	0	1	0	25	0	25	25	2	2	34	15	0	0	0		
Recipient Match Probability		0.00	0.01	0.00	0.00	0.03	0.00	0.07	0.39	0.00	0.00	0.00	0.00	0.01	0.00	0.36	0.00	0.36	0.36	0.03	0.03	0.49	0.22	0.00	0.00	0.00		
aMZBk DZIOeV	5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
atKxUqgMZV TPkUvh	3	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	X	X	X	X	X		
tbBfNaRT uctTi	22	X	X	X	X	Y	X	X	Y	X	X	X	X	X	X	Y	X	Y	Y	X	X	Y	Y	X	X	X		
brIDhMl CoWd	4	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	Y	X	X	X	X	X	X	X	X		
BRINGHs CvaqJk	3	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	Y	X	X	X	X	X	X	X	-		
chFAP hHfmutC	4	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	-	X	X	X	X	X	X	X		
DlqgNurk uEUuay	18	X	X	X	X	X	X	X	Y	X	X	X	X	X	X	Y	X	X	Y	X	X	Y	Y	X	X	X		
dQnCe eSUNG	2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
dsOpau DUBWIO	2	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
eOEYX rPT	21	X	X	X	X	X	X	X	Y	X	X	X	X	X	X	Y	X	Y	Y	X	Y	Y	X	X	X	X		
atMZBk DZIOeV	22	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	Y	Y	X	X	X	X	X	X	X		

Click the browser back button to return to the **Combinations & Chains** screen.

5. To look at which chains make up a combination, click a combination in the list.



- Click an AMP row to open the match event for the pair.

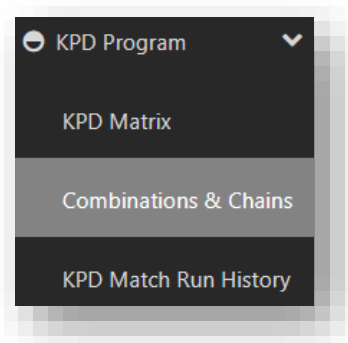


- Click the browser back button to return to the **Combination details** box.

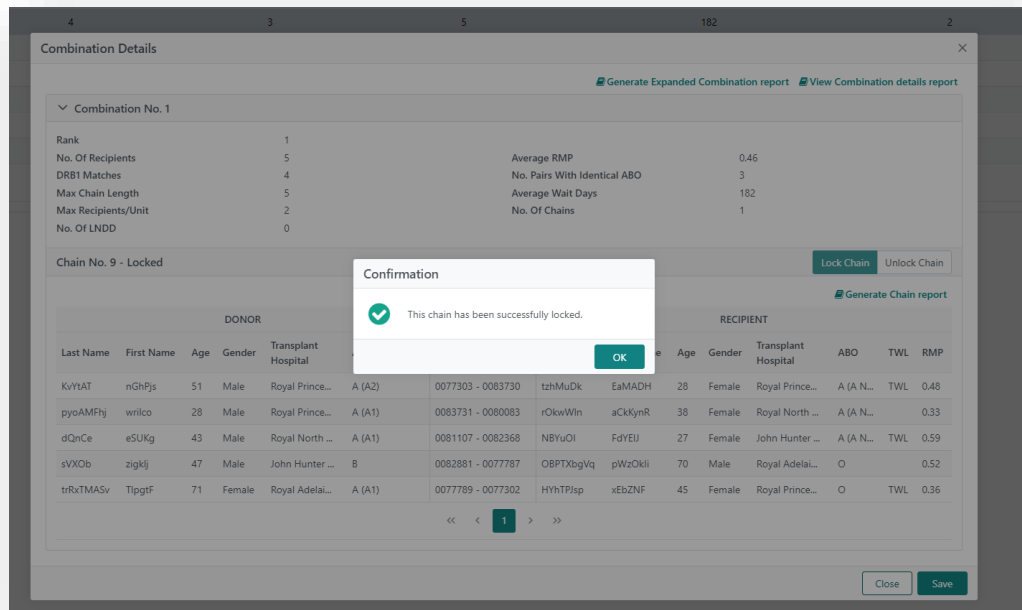
## 2.8 LOCK AND UNLOCK A CHAIN

When any chain of people is locked, if you generate a new combination you have the option to either retain and use the locked chains or to discard them and start again. If you elect to retain locked chains, then every combination generated must use all locked chains.

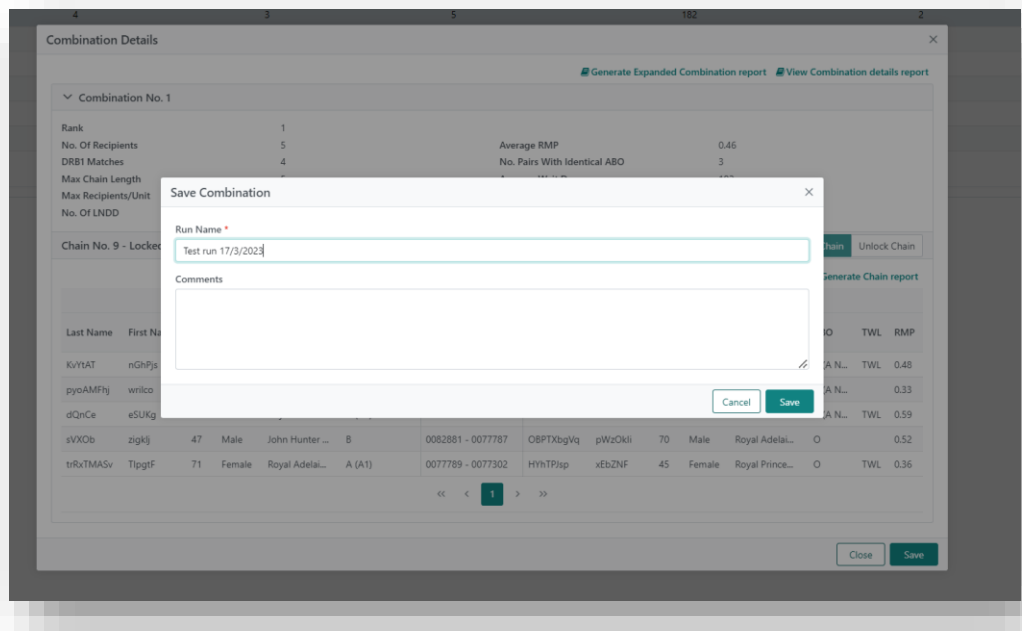
- From the navigation pane, click **KPD Program**, and then click **Combinations & Chains**. Click a combination to view the chains it is formed from.



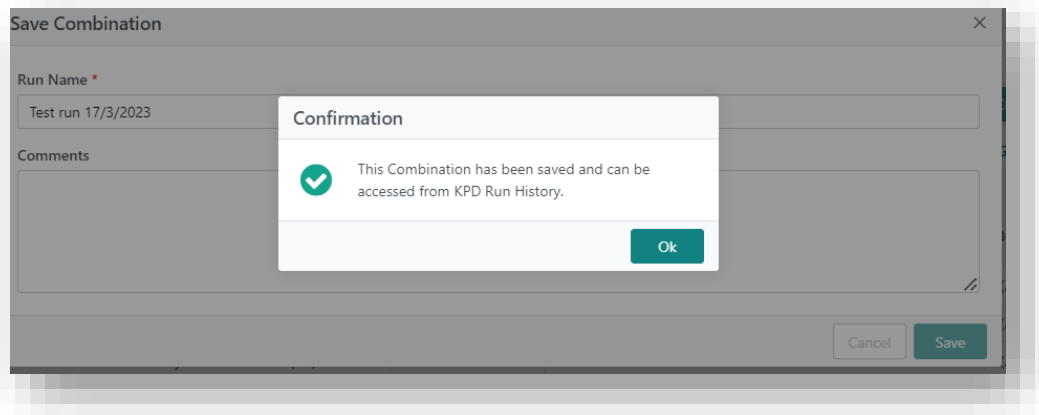
- Click **Lock Chain** to lock the chain.



- Click **OK**.



4. Click **Save**, add **Run Name** and click **Save**.



This action saves the chain and is now viewable in KPD Match Run History

Patient and Donor KPD enrolment status is changed to “On hold” with the reason “Due to KPD Chain” when chain is saved.

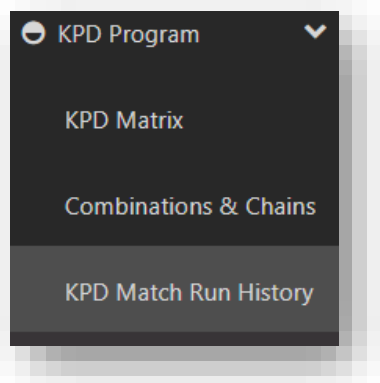
Unlocking a chain must occur , once the transplant surgeries and booked , and the transplants need to be linked via the match event outcome.

---

### 3. KPD MATCH RUN HISTORY

You can look at details of previously published KPD match runs.

1. From the navigation pane, click **KPD Program**, and then click **KPD Match Run History**.



2. The match run history page is shown:

KPD match run history

Current

History

6 records found

Date Generated 1:	Date Saved 1:	No Of Recipients 1:	Run Name 1:	Comment 1:
18/06/2024 09:49	18/06/2024 17:33	3	CHAIN2024-018	
29/05/2024 16:18	18/06/2024 09:48	6	CHAIN2023-026 G	
21/05/2024 14:06	21/05/2024 14:38	3	CHAIN2024-016	
29/04/2024 14:44	29/04/2024 16:47	3	CHAIN2024-013	
23/04/2024 09:04	23/04/2024 10:02	4	CHAIN2024-012	
22/04/2024 15:17	22/04/2024 16:47	4	CHAIN2024-011	

6

<

1

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10

▼

3. Click on a row to look at the details of the run.

View KPD Run Details

Edit

Bulk Publish Match Events

Reverse Combination

View Notes

View Saved Combination report

View List of Participants report

View Matrix

Archive

KPD run details

Date Generated

31/07/2024 11:44

Date Saved

31/07/2024 12:51

Run Name

CHAIN2024-024 x3CC

Max Chain Length

2

Closed

5

Open

Comments

Combination details

Rank

445

Average RMP

0.47

No. Of Recipients

3

No. Pairs With Identical ABO

1

DRB1 Matches

3

Max Recipients/Unit

2

Average Wait Days

482

Number of LNDD

0

No. Of Chains

1

Chain No. 9

View chain history

DONOR

Last Name

First Name

Transplant Hospital

ABO

Last Name

First Name

Transplant Hospital

ABO

TWL

Date of Last Serum

ANZKKX Offer Status

XM Status

Final Ab Screen Status

Proposed Theatre Date

Contains Note(s)

arBrQ

gboNWk

Royal Melbou...

A (A1)

lUycnBoQz

nVskzMA

Royal North ...

A

26/06/2024

hWVNXtd

eZcqd

Royal North ...

O

shjCKRo

Q5TmMv

Royal North ...

A

TWL

11/07/2024

Offered

HjnZd

JSLax

Royal North ...

B

sUynyvo

RIAP

Royal Melbou...

O

TWL

03/04/2024

Offered

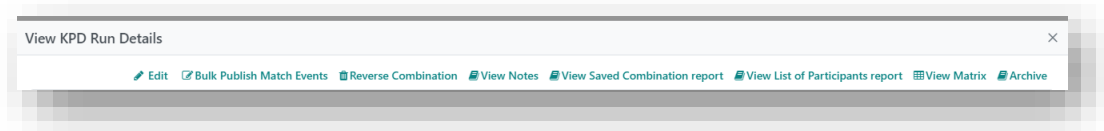


- The **MATCH PAIR** section contains columns that are auto populated from the match event like the **Proposed Theatre Date**. The **ANZKX Offer Status** is displayed as Offered if the Offered Date is populated and Accepted if the Medical Acceptance Date is populated. If there is a note in the match event the **Contains Note(s)** column will have a tick and hovering over the tick will display the note. The **XM Status** and **Final Ab Screen Status** columns are editable. A published match event is not required to view the match pair data.

MATCH PAIR				
ANZKX Offer Status	XM Status	Final Ab Screen Status	Proposed Theatre Date	Contains Note(s)
				✕
Accepted			31/08/2024	✕
Offered				✕

**Note:** Once the Offered Date is populated the Kidney TWL enrolment status is updated to On Hold due to KPD chain, where applicable.

- Click **Edit** to change the run name, enter comments or update the **XM Status** or **Final Ab Screen Status** columns.



Update KPD Run Details

View Notes

View Saved Combination report

View List of Participants report

View Matrix

KPD run details

Date Generated

17/03/2023 14:22

Date Saved

17/03/2023 14:42

Run Name

Final run 17/3/2023

Max Chain Length

Open

2

Closed

6

Comments

OM-061

VERSION: 5

EFFECTIVE DATE: 22/07/2025

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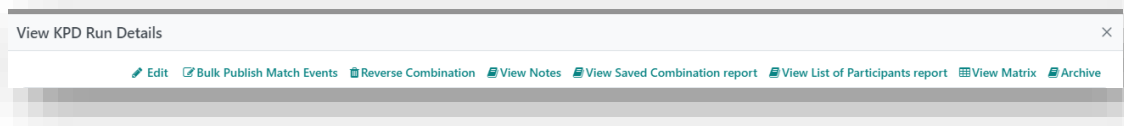
## ORGANMATCH KIDNEY PAIRED DONATION (KPD) MATCHING – LABORATORY PORTAL

Chain No. 9

View chain history

DONOR				RECIPIENT					MATCH PAIR					
Last Name	First Name	Transplant Hospital	ABO	Last Name	First Name	Transplant Hospital	ABO	TWL	Date of Last Serum	ANZIOX Offer Status	XM Status	Final Ab Screen Status	Proposed Theatre Date	Contains Note(s)
ar8tQ	gboNWk	Royal Melbou...	A (A1)	lUyjnBoCz	nVskzMA	Royal North ...	A		26/06/2024		<div>Please ...</div>	<div>Please ...</div>		✖
hWVNXtd	eZgd	Royal North ...	O	shjckllo	QStmMlv	Royal North ...	A	TWL	11/07/2024	Accepted	<div>Please ...</div>	<div>Please ...</div>	31/08/2024	✖
HjnZd	JSLax	Royal North ...	B	sUmyro	RIAP	Royal Melbou...	O	TWL	03/04/2024	Offered	<div>Please ...</div>	<div>Please ...</div>		✖

- Click **Save** to save your changes, or **Cancel** to return to the **View KPD Run Details** box without saving changes to the **Run Name** or **Comments** field(s).
- You can look at the **View Published Combination report**, **View All Combinations report** or the **View List of Participants report** by clicking on the links.



- You can view a snapshot of the KPD matrix that was taken when the match run was published.

[View Matrix](#)

**Note** – this is a read only snapshot and may not accurately reflect the current situation.

KPD Matrix Read-Only Snapshot

63 Recipients69 Donors0 UNDO

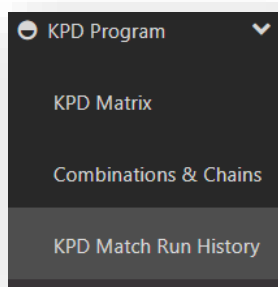
Recipient Matches																	Recipients											
Recipient Matches	0	1	0	0	2	0	5	27	0	0	0	0	1	0	25	0	25	25	2	2	34	15	0	0	0			
Recipient Match Probability	0.00	0.01	0.00	0.00	0.03	0.00	0.07	0.39	0.00	0.00	0.00	0.00	0.01	0.00	0.36	0.00	0.36	0.36	0.03	0.03	0.49	0.22	0.00	0.00	0.00			
AMZBx QZQoV	5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	Y	X	X	X	X	X	X	X			
ATGhgmZY TPLvH	3	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
SLdkaU7 uoTt	22	X	X	X	X	Y	X	X	Y	X	X	X	X	X	X	Y	X	Y	Y	X	Y	Y	X	X	X			
SBIDNM Cwgd	4	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	Y	X	X	X	X	X	X	X			
BRNGHJ Cwaqk	3	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	Y	X	X	X	X	X	X	X			
chFAP HfRmutC	4	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
DlghuRf eUuay	18	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	Y	X	Y	Y	X	X	X			
eZnCz eUuag	2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
eQpau QURWQ	2	-	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			
eCEYX pTt	21	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	Y	Y	X	Y	Y	X	X	X			
etfA ppeD	11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			

- Click the browser back button to return to the **KPD Match Run History** screen.

### 3.1 EXTENDING A CHAIN

When an end of chain donor needs to be rematched against the current pool the system allows users to extend the chain. The donor needs their current KPD enrolment ended and a new LNDD enrolment created prior to extending the chain. Refer to *OM-022 Kidney Paired Donation Registration- Transplantation Portal* for further information on KPD registration and enrolment.

- From the navigation pane, click **KPD Program**, and then click **KPD Match Run History**.

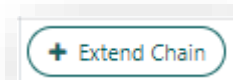


- Click the chain you want to extend.

A screenshot of a web application showing a table titled 'KPD match run history'. The table has two tabs: 'Current' (active) and 'History'. The table contains columns for 'Date Generated', 'Date Saved', 'No Of Recipients', and 'Run Name'.

Date Generated	Date Saved	No Of Recipients	Run Name
05/08/2024 14:26	05/08/2024 14:31	4	Chain 2024-16
31/07/2024 11:44	31/07/2024 12:51	3	CHAIN2024-024 x3CC
30/07/2024 09:08	30/07/2024 11:28	3	CHAIN2024-023 x3cc
29/07/2024 14:29	29/07/2024 14:38	11	CHAIN2024-19 D
29/07/2024 12:33	29/07/2024 12:37	9	CHAIN2024-020E NDAD Chain
29/07/2024 12:15	29/07/2024 12:33	2	CHAIN2024-022 2x cc
05/07/2024 15:51	05/07/2024 16:08	2	CHAIN2024-021 2 x CC

- Click **Extend chain**



## ORGANMATCH KIDNEY PAIRED DONATION (KPD) MATCHING – LABORATORY PORTAL

**View KPD Run Details**

Run Name: CHAIN2024-020E NDAD Chain

Max Chain Length: 9

Open: Closed

Comments: 2

Combination details

Rank	1	Average RMP	0.30
No. Of Recipients	5	No. Pairs With Identical ABO	4
DRBT Matches	2	Max Recipients/Unit	2
Average Wait Days	1206	Number of LNDD	1
No. Of Chains	1		

Chain No. 17

[View chain history](#)

DONOR				RECIPIENT				MATCH PAIR						
Last Name	First Name	Transplant Hospital	ABO	Last Name	First Name	Transplant Hospital	ABO	TWL	Date of Last Serum	ANZXX Offer Status	XM Status	Final Ab Screen Status	Proposed Theatre Date	Contains Note(s)
jpEbSZ	kVEUoB	Fiona Stanle...	O	wDqQjX	ubtR	Austin Hospi...	O		15/07/2024	Accepted			27/08/2024	✗
JUbdCM	FoaKLx	Austin Hospi...	O	cqmbI	KbTMJ	Sir Charles ...	O	TWL	04/07/2024	Accepted			29/08/2024	✗
QsKLrScGB	BogWrd	Sir Charles ...	A	GpqlK	DMSgb	Sir Charles ...	A	TWL	11/07/2024	Accepted				✓
eZUkOj	MZFBLYu	Sir Charles ...	O	gSoEXVr	OrstTh	Austin Hospi...	O		06/06/2024					✗
SQGgM	vQJwkyN	Austin Hospi...	A (A1)											

[+ Extend Chain](#) [- Remove Participants](#)

- Select the new chain to combine with the existing chain. The **Find Person** or **Find AMP** search fields can be used to search for a specific recipient.

**Extend Chain**

Find Person:

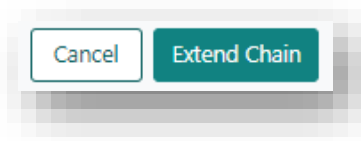
Find AMP:

	Rank	No. of Recipients	Average RMP	Lowest RMP
<input checked="" type="checkbox"/> >	1	2	0.25	0.06
<input type="checkbox"/> >	2	2	0.38	0.01
<input type="checkbox"/> >	3	2	0.41	0.06
<input type="checkbox"/> >	4	2	0.55	0.35
<input type="checkbox"/> >	5	2	0.59	0.43
<input type="checkbox"/> >	6	2	0.59	0.43
<input type="checkbox"/> >	7	2	0.59	0.43
<input type="checkbox"/> >	7	2	0.59	0.43
<input type="checkbox"/> >	8	2	0.61	0.47
<input type="checkbox"/> >	9	2	0.63	0.35

<< < 1 2 3 > >>

[Cancel](#) [Extend Chain](#)

5. Click **Extend Chain**.



6. In the **Reason** box record the reason for extending the chain and click **Save**. The comment should note that the chain has been extended as this box is used for both extending and removing pairs.

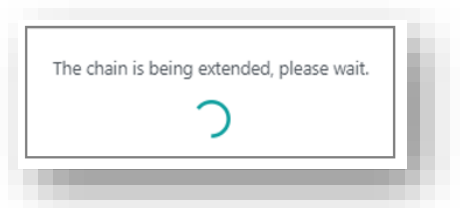
Reason for Chain Extension

Reason \*

Extending chain for bridge donor

Cancel Save

7. The system then extends the chain and updates the combination details.



View KPD Run Details

Max Chain Length	9	Closed	2
Open			
Comments			

Combination details

Rank	1		
No. Of Recipients	6	Average RMP	0.33
DRB1 Matches	3	No. Pairs With Identical ABO	5
Average Wait Days	964	Max Recipients/Unit	2
No. Of Chains	1	Number of UNDO	1

Chain No. 17

View chain history

DONOR				RECIPIENT					MATCH PAIR					
Last Name	First Name	Transplant Hospital	ABO	Last Name	First Name	Transplant Hospital	ABO	TWL	Date of Last Serum	ANZKK Offer Status	XM Status	Final AB Screen Status	Proposed Theatre Date	Contains Note(s)
jEhSZ	koFEUoB	Fiona Stanle...	O	wDqZJK	uRr	Austin Hospi...	O		15/07/2024	Accepted			27/08/2024	✖
lUbdM	FoakLx	Austin Hospi...	O	cqmbI	KbTMJ	Sir Charles ...	O	TWL	04/07/2024	Accepted			29/08/2024	✖
QxKLSG8	BagWrd	Sir Charles ...	A	GpQK	DM5Gb	Sir Charles ...	A	TWL	11/07/2024	Accepted				✓
eZUkOj	MZfBLy	Sir Charles ...	O	gSoEKW	OrsTh	Austin Hospi...	O		06/06/2024					✖
SQgM	vOwkyN	Austin Hospi...	A (A1)	WLaCzD	AvobL	Royal Melbou...	A		19/06/2024					✖
AdrR	BoMZt1	Royal Melbou...	O											

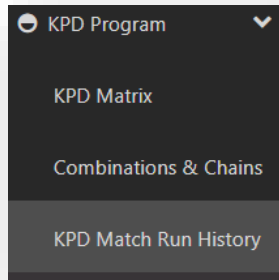
Extend Chain

Remove Participants

### 3.2 REMOVING PAIRS FROM A CHAIN

If a chain is broken but cannot be reversed due to some pairs already being transplanted, pairs can be removed from the chain. This can only be performed for current open chains.

1. From the navigation pane, click **KPD Program**, and then click **KPD Match Run History**.

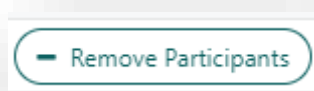


2. Click the chain you want to remove pairs from.

A screenshot of a table titled 'KPD match run history'. The table has two tabs: 'Current' (active) and 'History'. The table contains eight rows of data with columns for Date Generated, Date Saved, No Of Recipients, and Run Name.

KPD match run history			
Current History			
Date Generated TL	Date Saved TL	No Of Recipients TL	Run Name TL
05/08/2024 14:26	05/08/2024 14:31	4	Chain 2024-16
31/07/2024 11:44	31/07/2024 12:51	3	CHAIN2024-024 x3CC
30/07/2024 09:08	30/07/2024 11:28	3	CHAIN2024-023 x3cc
29/07/2024 14:29	29/07/2024 14:38	11	CHAIN2024-19 D
29/07/2024 12:33	29/07/2024 12:37	9	CHAIN2024-020E NDAD Chain
29/07/2024 12:15	29/07/2024 12:33	2	CHAIN2024-022 2x cc
05/07/2024 15:51	05/07/2024 16:08	2	CHAIN2024-021 2 x CC

3. Click **Remove Participants**.



## ORGANMATCH KIDNEY PAIRED DONATION (KPD) MATCHING – LABORATORY PORTAL

View KPD Run Details

Combination details

Rank	1	Average RMP	0.24
No. Of Recipients	9	No. Pairs With Identical ABO	8
DRBI Matches	6	Max Recipients/Unit	3
Average Wait Days	962	Number of LNDD	1
No. Of Chains	1		

Chain No. 17

[View chain history](#)

DONOR				RECIPIENT					MATCH PAIR					
Last Name	First Name	Transplant Hospital	ABO	Last Name	First Name	Transplant Hospital	ABO	TWL	Date of Last Serum	ANZXX Offer Status	XM Status	Final Ab Screen Status	Proposed Theatre Date	Contains Note(s)
jpEeSZ	kvFEUoB	Fiona Stanle...	O	wDqQjX	ubfR	Austin Hospi...	O		15/07/2024	Accepted			27/08/2024	✗
J/bdcM	FoaKLx	Austin Hospi...	O	cqmbI	KbTMJ	Sir Charles ...	O	TWL	04/07/2024	Accepted			29/08/2024	✗
QsKlRScGB	BqgWrd	Sir Charles ...	A	GpqlK	DMSgb	Sir Charles ...	A	TWL	11/07/2024	Accepted				✓
eZUkOj	MZFBLYu	Sir Charles ...	O	gSoEXVr	OrsLTh	Austin Hospi...	O		06/06/2024					✗
SQGgM	vOlwkyn	Austin Hospi...	A (A1)	WeLaCzO	AvobL	Royal Melbou...	A		19/06/2024					✗
ADrR	BbMZTs	Royal Melbou...	O	QDCI	JRfIm	Fiona Stanle...	O		06/05/2024					✗
zDdjFqIX	rQnV	Fiona Stanle...	O	I/nBul	zdkGf	Westmead Hos...	O	TWL	16/02/2024					✗
uZOAglvq	kyLqof	Westmead Hos...	A (A1)	LgCdEIQDW	BGWknR	Austin Hospi...	A	TWL	26/07/2024					✓
GpQTsE	Omzl	Austin Hospi...	B											

[+ Extend Chain](#) [- Remove Participants](#)

- A remove button displays next to the recipient's name, except for pairs that have been transplanted. Any pairs after the selected recipient will be removed from the chain. Click the button to select the pairs to remove.

[- WeLaCzO AvobL Royal Melbou...](#)

- A confirmation box displays the pairs that will be removed including their OM ID.

Confirmation

The following participants will be removed from this combination:

- 0090572 WeLaCzO
- 0090573 ADrR
- 0087885 QDCI
- 0087886 zDdjFqIX
- 0074650 I/nBul
- 0074928 uZOAglvq
- 0022392 LgCdEIQDW
- 0073466 GpQTsE

Reason for removing the above participants \*

[Cancel](#) [Confirm](#)

6. Add the reason why the pairs are being removed and click **Confirm**. This information is captured in the audit information and should include that the pairs have been removed.

Reason for removing the above participants \*

Pairs being removed due to cancelled transplant

Cancel Confirm

7. The pairs are removed and the combination details are updated.

View KPD Run Details

Run Name	CHAIN2024-020E NDAD Chain									
Max Chain Length	9		Closed						2	
Open										
Comments										

Combination details

Rank	1				
No. Of Recipients	5	Average RMP		0.30	
DRB1 Matches	2	No. Pairs With Identical ABO		4	
Average Wait Days	1206	Max Recipients/Unit		2	
No. Of Chains	1	Number of LNDD		1	

Chain No. 17

View chain history

DONOR				RECIPIENT					MATCH PAIR					
Last Name	First Name	Transplant Hospital	ABO	Last Name	First Name	Transplant Hospital	ABO	TWL	Date of Last Serum	ANZCK Offer Status	XM Status	Final Ab Screen Status	Proposed Theatre Date	Contains Note(s)
jpESZ	kvFEUoB	Fiona Stanle...	O	wDqQJK	ubtR	Austin Hospi...	O		15/07/2024	Accepted			27/08/2024	✖
J/bdcM	FoaKlx	Austin Hospi...	O	qzmbI	KbTMJ	Sir Charles ...	O	TWL	04/07/2024	Accepted			29/08/2024	✖
QaKLUscGB	BagWrd	Sir Charles ...	A	GpqiK	DMSgb	Sir Charles ...	A	TWL	11/07/2024	Accepted				✓
eZUKOJ	MZFBLYu	Sir Charles ...	O	gSeEXVr	OrstTh	Austin Hospi...	O		06/06/2024					✖
SQGgM	vOlvkyn	Austin Hospi...	A (A1)											

Extend Chain

Remove Participants

### 3.3 REVERSING A CHAIN

If chain is broken, and the pairs need to be returned to the pool for matching, Click **Reverse Combination**.

This automatically reverses the KPD enrolments to Active for all the recipients and donors in the chain. If the patient also has a TWL enrolment the status will be returned to its previous state.

View KPD Run Details

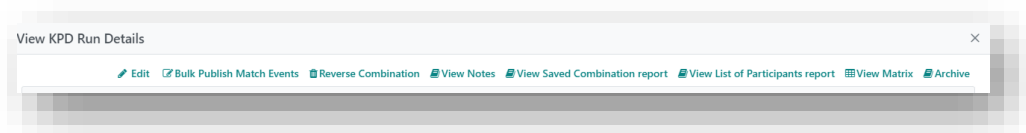
[Edit](#) [Bulk Publish Match Events](#) [Reverse Combination](#)



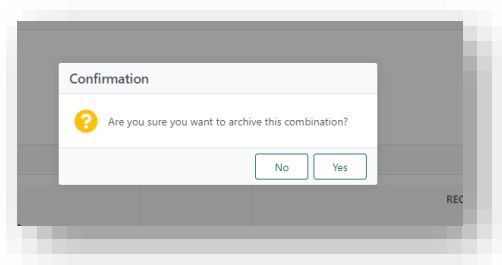
### 3.4 ARCHIVE A CHAIN

A chain can be moved into the history tab in the KPD run history

1. Click **Archive**



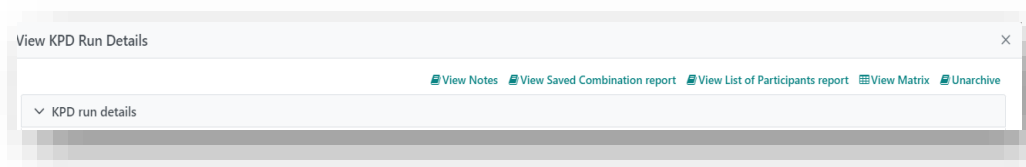
2. You will be asked to confirm



3. Click **Yes**. The combination will be moved to history



4. To unarchive the Combination, Select **Unarchive**. The combination will return to the Current KPD match run history.



## APPENDIX 1 – ABO COMPATIBILITY TABLE

Donor ABO	Donor Subtype	Recipient ABO	Recipient Subtype
A	A1	A	A1
A	A1	A	A2
A	A1	A	A Intermediate
A	A1	A	A Not defined/tested
A	A2	A	A1
A	A2	A	A2
A	A2	A	A Intermediate
A	A2	A	A Not defined/tested
A	A Intermediate	A	A1
A	A Intermediate	A	A2
A	A Intermediate	A	A Intermediate
A	A Intermediate	A	A Not defined/tested
A	A Not defined/tested	A	A1
A	A Not defined/tested	A	A2
A	A Not defined/tested	A	A Intermediate
A	A Not defined/tested	A	A Not defined/tested
A	A1	AB	A1B
A	A2	AB	A1B
A	A Intermediate	AB	A1B
A	A Not defined/tested	AB	A1B
A	A1	AB	A2B
A	A2	AB	A2B
A	A Intermediate	AB	A2B

Donor ABO	Donor Subtype	Recipient ABO	Recipient Subtype
<b>A</b>	A Not defined/tested	AB	A2B
<b>A</b>	A1	AB	A Intermediate B
<b>A</b>	A2	AB	A Intermediate B
<b>A</b>	A Intermediate	AB	A Intermediate B
<b>A</b>	A Not defined/tested	AB	A Intermediate B
<b>A</b>	A1	AB	AB Not defined/tested
<b>A</b>	A2	AB	AB Not defined/tested
<b>A</b>	A Intermediate	AB	AB Not defined/tested
<b>A</b>	A Not defined/tested	AB	AB Not defined/tested
<b>AB</b>	A1B	AB	A1B
<b>AB</b>	A1B	AB	A2B
<b>AB</b>	A1B	AB	A Intermediate B
<b>AB</b>	A1B	AB	AB Not defined/tested
<b>AB</b>	A2B	AB	A1B
<b>AB</b>	A2B	AB	A2B
<b>AB</b>	A2B	AB	A Intermediate B
<b>AB</b>	A2B	AB	AB Not defined/tested
<b>AB</b>	A intermediate B	AB	A1B
<b>AB</b>	A intermediate B	AB	A2B
<b>AB</b>	A intermediate B	AB	A Intermediate B
<b>AB</b>	A intermediate B	AB	AB Not defined/tested
<b>AB</b>	AB Not defined/tested	AB	A1B
<b>AB</b>	AB Not defined/tested	AB	A2B
<b>AB</b>	AB Not defined/tested	AB	A Intermediate B

Donor ABO	Donor Subtype	Recipient ABO	Recipient Subtype
<b>AB</b>	AB Not defined/tested	AB	AB Not defined/tested
<b>B</b>	N/A	B	N/A
<b>B</b>	N/A	AB	A1B
<b>B</b>	N/A	AB	A2B
<b>B</b>	N/A	AB	A Intermediate B
<b>B</b>	N/A	AB	AB Not defined/tested
<b>O</b>	N/A	A	A1
<b>O</b>	N/A	A	A2
<b>O</b>	N/A	A	A Intermediate
<b>O</b>	N/A	A	A Not defined/tested
<b>O</b>	N/A	B	N/A
<b>O</b>	N/A	AB	A1B
<b>O</b>	N/A	AB	A2B
<b>O</b>	N/A	AB	A Intermediate B
<b>O</b>	N/A	AB	AB Not defined/tested
<b>O</b>	N/A	O	N/A

## APPENDIX 2 – ABOi ACCEPTABILITY TABLE

Donor ABO	Donor Subtype	Recipient ABO	Recipient Subtype
A	A1	A	A1
A	A1	A	A2
A	A1	A	A Intermediate
A	A1	A	A Not defined/tested
A	A2	A	A1
A	A2	A	A2
A	A2	A	A Intermediate
A	A2	A	A Not defined/tested
A	A Intermediate	A	A1
A	A Intermediate	A	A2
A	A Intermediate	A	A Intermediate
A	A Intermediate	A	A Not defined/tested
A	A Not defined/tested	A	A1
A	A Not defined/tested	A	A2
A	A Not defined/tested	A	A Intermediate
A	A Not defined/tested	A	A Not defined/tested
A	A1	AB	A1B
A	A2	AB	A1B
A	A Intermediate	AB	A1B
A	A Not defined/tested	AB	A1B
A	A1	AB	A2B
A	A2	AB	A2B
A	A Intermediate	AB	A2B

Donor ABO	Donor Subtype	Recipient ABO	Recipient Subtype
<b>A</b>	A Not defined/tested	AB	A2B
<b>A</b>	A1	AB	A Intermediate B
<b>A</b>	A2	AB	A Intermediate B
<b>A</b>	A Intermediate	AB	A Intermediate B
<b>A</b>	A Not defined/tested	AB	A Intermediate B
<b>A</b>	A1	AB	AB Not defined/tested
<b>A</b>	A2	AB	AB Not defined/tested
<b>A</b>	A Intermediate	AB	AB Not defined/tested
<b>A</b>	A Not defined/tested	AB	AB Not defined/tested
<b>AB</b>	A1B	AB	A1B
<b>AB</b>	A1B	AB	A2B
<b>AB</b>	A1B	AB	A Intermediate B
<b>AB</b>	A1B	AB	AB Not defined/tested
<b>AB</b>	A2B	AB	A1B
<b>AB</b>	A2B	AB	A2B
<b>AB</b>	A2B	AB	A Intermediate B
<b>AB</b>	A2B	AB	AB Not defined/tested
<b>AB</b>	A intermediate B	AB	A1B
<b>AB</b>	A intermediate B	AB	A2B
<b>AB</b>	A intermediate B	AB	A Intermediate B
<b>AB</b>	A intermediate B	AB	AB Not defined/tested
<b>AB</b>	AB Not defined/tested	AB	A1B
<b>AB</b>	AB Not defined/tested	AB	A2B
<b>AB</b>	AB Not defined/tested	AB	A Intermediate B

Donor ABO	Donor Subtype	Recipient ABO	Recipient Subtype
<b>AB</b>	AB Not defined/tested	AB	AB Not defined/tested
<b>B</b>	N/A	B	N/A
<b>B</b>	N/A	AB	A1B
<b>B</b>	N/A	AB	A2B
<b>B</b>	N/A	AB	A Intermediate B
<b>B</b>	N/A	AB	AB Not defined/tested
<b>O</b>	N/A	A	A1
<b>O</b>	N/A	A	A2
<b>O</b>	N/A	A	A Intermediate
<b>O</b>	N/A	A	A Not defined/tested
<b>O</b>	N/A	B	N/A
<b>O</b>	N/A	AB	A1B
<b>O</b>	N/A	AB	A2B
<b>O</b>	N/A	AB	A Intermediate B
<b>O</b>	N/A	AB	AB Not defined/tested
<b>O</b>	N/A	O	N/A
<b>A</b>	A1	B	N/A
<b>A</b>	A2	B	N/A
<b>A</b>	A Intermediate	B	N/A
<b>A</b>	A Not defined/tested	B	N/A
<b>A</b>	A1	O	N/A
<b>A</b>	A2	O	N/A
<b>A</b>	A Intermediate	O	N/A
<b>A</b>	A Not defined/tested	O	N/A
<b>B</b>	N/A	A	A1
<b>B</b>	N/A	A	A2
<b>B</b>	N/A	A	A Intermediate

Donor ABO	Donor Subtype	Recipient ABO	Recipient Subtype
<b>B</b>	N/A	A	A Not defined/tested
<b>B</b>	N/A	O	N/A
<b>AB</b>	A1B	A	A1
<b>AB</b>	A1B	A	A2
<b>AB</b>	A1B	A	A Intermediate
<b>AB</b>	A1B	A	A Not defined/tested
<b>AB</b>	A2B	A	A1
<b>AB</b>	A2B	A	A2
<b>AB</b>	A2B	A	A Intermediate
<b>AB</b>	A2B	A	A Not defined/tested
<b>AB</b>	A Intermediate B	A	A1
<b>AB</b>	A Intermediate B	A	A2
<b>AB</b>	A Intermediate B	A	A Intermediate
<b>AB</b>	A Intermediate B	A	A Not defined/tested
<b>AB</b>	AB Not defined/tested	A	A1
<b>AB</b>	AB Not defined/tested	A	A2
<b>AB</b>	AB Not defined/tested	A	A Intermediate
<b>AB</b>	AB Not defined/tested	A	A Not defined/tested
<b>AB</b>	A1B	B	N/A
<b>AB</b>	A2B	B	N/A
<b>AB</b>	A Intermediate B	B	N/A
<b>AB</b>	AB Not defined/tested	B	N/A
<b>AB</b>	A1B	O	N/A
<b>AB</b>	A2B	O	N/A
<b>AB</b>	A Intermediate B	O	N/A



ORGANMATCH KIDNEY PAIRED DONATION (KPD) MATCHING – LABORATORY PORTAL

Donor ABO	Donor Subtype	Recipient ABO	Recipient Subtype
<b>AB</b>	AB Not defined/tested	O	N/A

## DEFINITIONS

Term/abbreviation	Definition
ARP (ASX Registered pair)	A recipient/donor pair who came into the KPD pathway together. They are not compatible (if they were they would be enrolled in the LDD pathway).
AMP (ASX Matched pair)	A recipient/donor pair who have been assessed as compatible by OrganMatch.
Readiness	Criteria that need to be met for a patient and donor to be matched

## REFERENCED INTERNAL DOCUMENTS

Document number	Source
OM-022	Kidney Paired Donation Registration- Transplantation Portal
OM-027	Kidney Paired Donation Enrolment- Transplantation Portal

## CHANGE HISTORY

Version number	Effective date	Summary of change
-	-	For previous change histories contact the National OrganMatch Office.
3	23/07/2024	Update for OrganMatch Sprint 53: <ul style="list-style-type: none"> <li>Updated Section 3 to include new columns in table for Match Pair and editing function.</li> </ul>
4	17/09/2024	Update for OrganMatch Sprint 54: <ul style="list-style-type: none"> <li>Section 3.2 added for removing pairs in a chain.</li> <li>Screenshots updated in section 3.1.</li> </ul> Other: <ul style="list-style-type: none"> <li>Table of contents added.</li> </ul>
5	Refer to footer	Update for OrganMatch Sprint 58: <ul style="list-style-type: none"> <li>Section 2.6 and 3 updated to reflect new process of TWL enrolment status update through Offered Date.</li> </ul> Other: <ul style="list-style-type: none"> <li>Section 2.5 updated to reflect meaning of DRB1 matches displaying as “-”.</li> <li>Section 3 updated with functionality to view match pair data even when the match event is not published.</li> </ul>

## ELECTRONIC SIGNATURE

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