

READINESS CRITERIA IN ORGANMATCH

Readiness criteria indicates whether a recipient or donor is system ready for matching using the OrganMatch algorithms.

Refer to the following for further information on the matching algorithms:

- [Principles of Kidney Matching Algorithms, OM-012](#)
- [Principles of Kidney/Pancreas and Pancreas Matching Algorithms, OM-038](#)
- [Principles of Lung Matching Algorithms, OM-041](#)
- [Principles of Heart Matching Algorithms, OM-049](#)

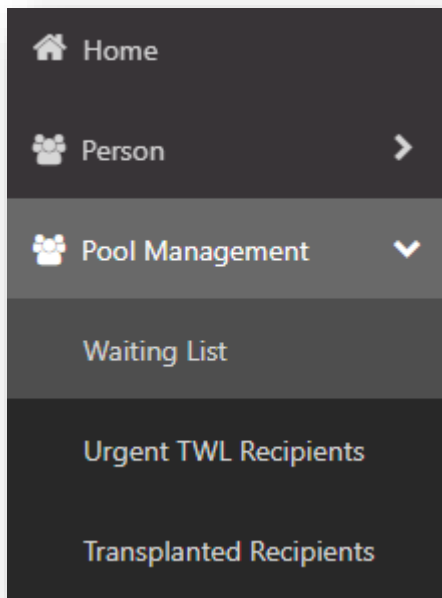
Each program has specific criteria and testing requirements that must be completed before the recipient or donor can be matched. This criteria includes clinical data like dialysis start date or height and weight, testing data like HLA typing or other data like ABO blood group.

CHECKING RECIPIENT READINESS CRITERIA

Recipient readiness can be viewed via **Pool Management Waiting List** or through the **Person** profile under **Program enrolments**.

POOL MANAGEMENT

1. Select **Waiting List** from the **Pool Management** menu.



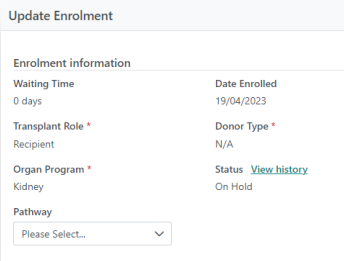
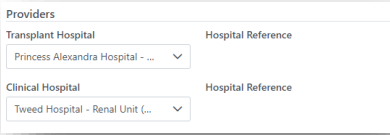
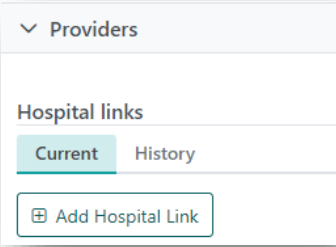
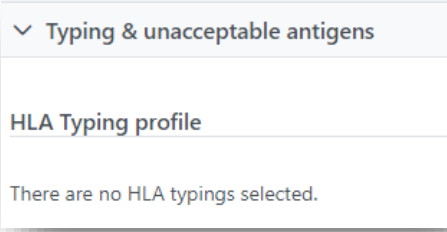
- Select the required **Organ Program** and **Transplant Pathway** from the dropdown (**OM Laboratory** defaults to the users OM lab).

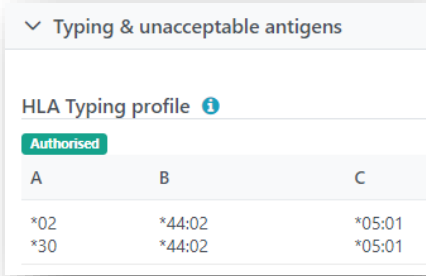
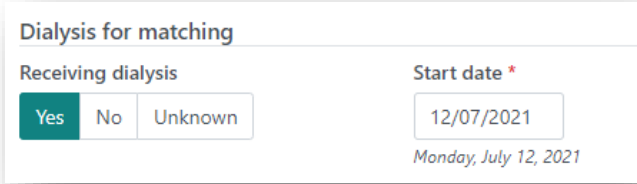
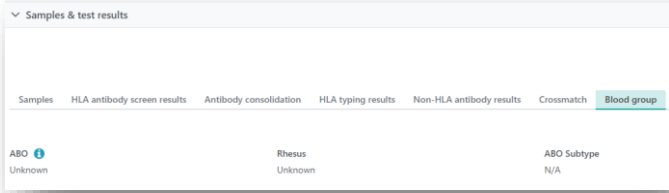
- The table will display recipients that meet the selected criteria. The **Ready** column indicates whether a recipient is ready for matching or not.

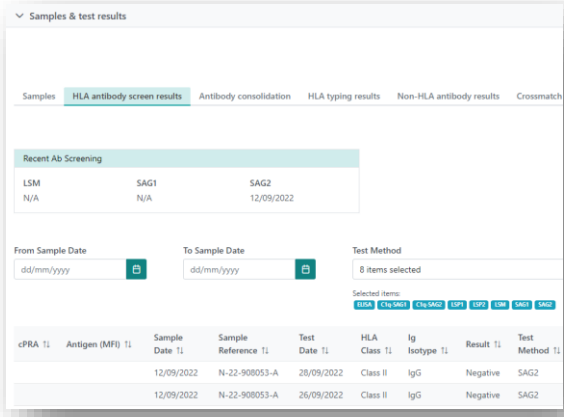
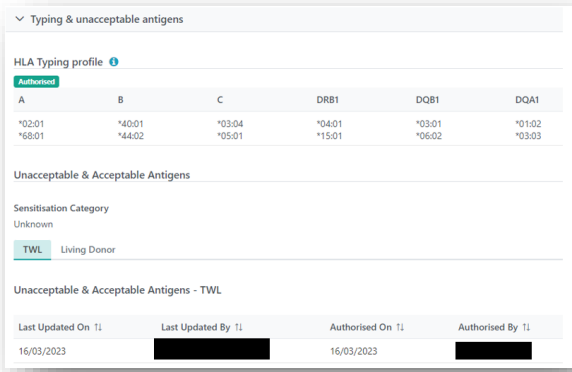
| Recipient | | | | | | | | | | | | |
|------------|------------|---------------|-----|---------|--------|---------------------|-------------------|--------------------|------------------------------|-------------------------------|---------|-------|
| Last Name | First Name | Date of Birth | ABO | OM ID | OM Lab | Transplant Hospital | Clinical Hospital | Date of Last Serum | Recent Ab Screening (SAG1/2) | Days SAG Readiness expires in | Pathway | Ready |
| [REDACTED] | [REDACTED] | [REDACTED] | B | 0082795 | NSW | NRPAR | NCONR | 06/04/2023 | 08/02/2023 | 30 | TWL | ✓ |
| [REDACTED] | [REDACTED] | [REDACTED] | B | 0056400 | NSW | NEASR | NWOLR | 07/07/2022 | 13/07/2022 | -180 | TWL | ✗ |

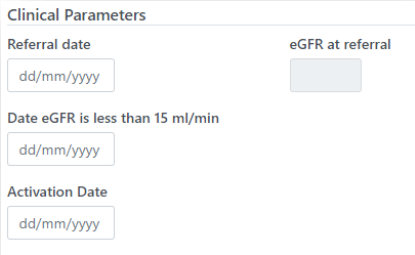
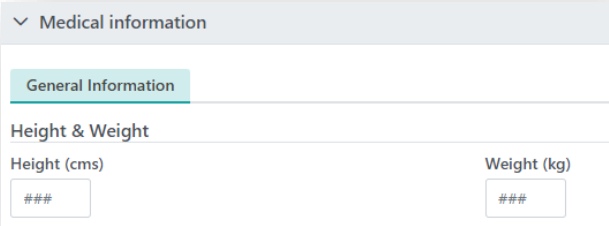

- A tick (✓) indicates the recipient is ready for matching. A cross (✗) indicates a recipient is not ready for matching. Click on the cross to view reasons why.

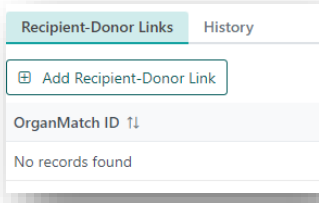
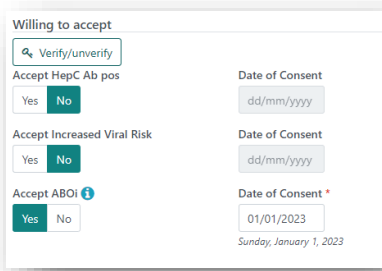
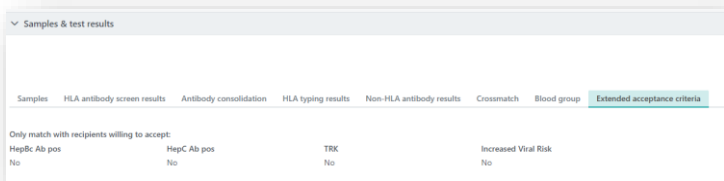
The following table gives information on where to update information in OrganMatch - depending on the reason displayed.

| Reason | Where to add or update |
|---|--|
| <p>Enrolment not complete.</p> | <p>Check a pathway has been selected in the enrolment.</p>  |
| <p>No Transplant Hospital selected.</p> | <p>Check a transplant hospital has been selected in the enrolment.</p>  <p>Note: The hospital needs to be added under the recipients Hospital links before it can be selected in the enrolment.</p>  |
| <p>HLA Typing Profile not authorised.</p> | <p>Check the HLA Typing profile is authorised.</p>  |

| | |
|--|---|
| <p>Locus [<i>locus name</i>] is not in the correct format.</p> | <p>If readiness for HLA typing is set at 2 fields, this message displays as authorised typing is a 1 field result.</p>  |
| <p>No Dialysis start date.</p> | <p>For Kidney recipients check the Dialysis for matching start date needs to be added in the enrolment.</p>  |
| <p>Final ABO Blood Group not confirmed.</p> | <p>Check for a blood group result in Samples & test results, Blood group.</p>  |

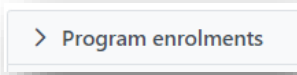
| | |
|---|--|
| <p>No verified Luminex Antibody screen (SAG1) test results found.</p> <p>No verified Luminex Antibody screen (SAG2) test results found.</p> | <p>Check the recipient has a verified result for the test method SAG1/SAG2 in Samples & test results, HLA antibody screen results.</p>  <p>The screenshot shows the 'Samples & test results' section with a sub-tab for 'HLA antibody screen results'. It includes a 'Recent Ab Screening' table with columns for LSM, SAG1, and SAG2. Below this are filters for 'From Sample Date', 'To Sample Date', and 'Test Method'. A table at the bottom lists test results with columns for cPRA, Antigen (MFI), Sample Date, Sample Reference, Test Date, HLA Class, Ig Isotype, Result, and Test Method.</p> |
| <p>Unacceptable Antigen List not authorised.</p> | <p>Check the Unacceptable & Acceptable Antigens- TWL/LDD in Typing & unacceptable antigens is authorised.</p>  <p>The screenshot shows the 'Typing & unacceptable antigens' section. It features an 'HLA Typing profile' table with columns A, B, C, DRB1, DQB1, and DQA1. Below this is a section for 'Unacceptable & Acceptable Antigens' with a 'Sensitisation Category' of 'Unknown' and a 'TWL Living Donor' status. At the bottom, there is a table for 'Unacceptable & Acceptable Antigens - TWL' with columns for 'Last Updated On', 'Last Updated By', 'Authorised On', and 'Authorised By'.</p> |
| <p>Luminex (SAG1) test result has expired.</p> <p>Luminex (SAG2) test result has expired.</p> | <p>The recipient needs a new serum tested for Luminex Single Antigen testing.</p> <p>Note: The expiry for the Single Antigen test is 120 days from the date of sample collection.</p> |

| | |
|--|---|
| <p>Waiting Time not calculated</p> | <p>For combined Kidney/Pancreas recipients, the date the eGFR >15ml/min need to be added in the enrolment through the Transplantation Portal.</p>  |
| <p>Weight not entered. Height not entered.</p> | <p>For Heart and Lung recipients, the height and weight needs to be added under medical information through the Transplantation Portal.</p>  |
| <p>Acceptable Height Range (cm) not entered.</p> | <p>For Lung recipients the acceptable height range for a donor needs to be added in the enrolment through the Transplantation Portal.</p>  |

| | |
|--|---|
| <p>Not linked in a Recipient – Donor Pair</p> | <p>Check the KPD or LDD enrolment for a Recipient-Donor Link.</p>  |
| <p>Willing to accept criteria has not been verified</p> | <p>Check recipients Willing to accept criteria has been verified in the enrolment.</p>  |
| <p>Extended Acceptance Criteria [name of criteria] is not verified</p> | <p>Check the donors Extended acceptance criteria in Samples & test results has been verified.</p>  <p>Note: This is for donors only.</p> |

RECIPIENT ENROLMENT

1. To view the recipient readiness, from the **Person** record click **Program enrolments**.



2. A tick (✓) indicates the recipient is ready for matching. A cross (✗) indicates a recipient is not ready for matching. Click on the cross to view reasons why.

Program enrolments

Current History

Add Enrolment

| Role T1 | Organ Program T1 | Pathway T1 | Waiting Time T1 | Ready T1 |
|-----------|------------------|------------|-----------------|----------|
| Recipient | Kidney | TWL | - | ✗ |

Readiness Assessment

> [Redacted] Donor Recipient

This person's match profile is not ready because of the following reasons

- Luminex (SAG1) test result has expired
- Luminex (SAG2) test result has expired
- No Dialysis Start Date found

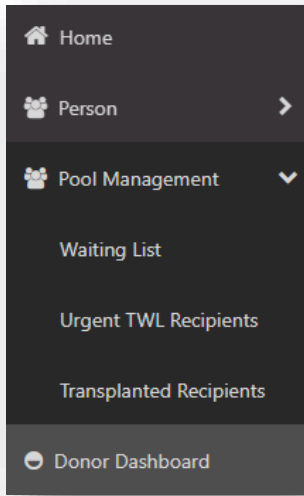
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Close

CHECKING DECEASED DONOR READINESS

The donor record can be accessed from the **Donor Dashboard**. The **Ready** column indicates whether the donor is ready for matching and clicking on the cross will open a pop up displaying the reasons the donor is not ready.

1. Select **Donor Dashboard** from the menu.



2. A tick (✓) indicates the donor is ready for matching. A cross (✗) indicates a donor is not ready for matching. Click on the cross to view reasons why.

Deceased Donor Dashboard

Filters: OM Laboratory: NSW, Hospital: All, ABO: All, Donor: [Redacted], Outcome: All. [Reset Filters]

Results: 4475 records found

| Date of Enrolment T1 | OM Lab T1 | Match Date & Time T1 | Donor ID T1 | Hospital T1 | ABO T1 | Last Name T1 | First Name T1 | OM ID T1 | Lab Reference T1 | Outcome T1 | Ready T1 |
|----------------------|-----------|----------------------|-------------|------------------------------|--------|--------------|---------------|----------|------------------|------------|----------|
| 17/04/2023 | NSW | 18/04/2023 12:43 | D23-0434 | Royal Prince Alfred Hospi... | B | [Redacted] | [Redacted] | 0086369 | NP0023944 | Intended | ✓ |
| 17/04/2023 | NSW | | D23-0433 | St George Hospital | | [Redacted] | [Redacted] | 0086368 | | Intended | ✗ |

Readiness Assessment

> [Redacted] Donor Recipient

This person's match profile is not ready because of the following reasons

- Final ABO Blood Group not Confirmed
- HLA Typing Profile is not authorised

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Close

READINESS CRITERIA REQUIREMENTS FOR ORGAN PROGRAMS

KIDNEY TWL

| Criteria | Recipient Requirements |
|----------------------|--|
| HLA typing | Authorised for: HLA-A – 1 field HLA-B – 1 field HLA-C – 1 field HLA-DRB1 – 1 field HLA-DQB1 – 1 field HLA-DQA1 – 1 field HLA-DPB1 – 1 field HLA-DPA1 – 1 field |
| Location | OM Laboratory Entered Transplant Hospital entered |
| Luminex | Luminex Antibody screen (SAG1) Tested within 120 days Luminex Antibody screen (SAG2) Tested within 120 days |
| Unacceptable antigen | Authorised |
| Samples | Final ABO Blood Group Confirmed |
| Dialysis | Start date entered |

KIDNEY/PANCREAS TWL

| Criteria | Recipient Requirements |
|----------------------|--|
| HLA typing | Authorised for: HLA-A – 1 field HLA-B – 1 field HLA-C – 1 field HLA-DRB1 – 1 field HLA-DQB1 – 1 field HLA-DQA1 – 1 field HLA-DPB1 – 1 field HLA-DPA1 – 1 field |
| Location | OM Laboratory Entered Transplant Hospital entered |
| Luminex | Luminex Antibody screen (SAG1) Tested within 120 days Luminex Antibody screen (SAG2) Tested within 120 days |
| Unacceptable antigen | Authorised |
| Samples | Final ABO Blood Group Confirmed |
| Enrolment Criteria | Waiting Time |

PANCREAS TWL

| Criteria | Recipient Requirements |
|------------|--|
| HLA typing | Authorised for: HLA-A – 1 field HLA-B – 1 field HLA-C – 1 field HLA-DRB1 – 1 field HLA-DQB1 – 1 field HLA-DQA1 – 1 field HLA-DPB1 – 1 field HLA-DPA1 – 1 field |

ORGANMATCH READINESS CRITERIA- LABORATORY PORTAL

| | |
|----------------------|--|
| Location | OM Laboratory Entered Transplant Hospital entered |
| Luminex | Luminex Antibody screen (SAG1) Tested within 120 days Luminex Antibody screen (SAG2) Tested within 120 days |
| Unacceptable antigen | Authorised |
| Samples | Final ABO Blood Group Confirmed |

PANCREAS ISLETS TWL

| Criteria | Recipient Requirements |
|------------|--|
| HLA typing | Authorised for: HLA-A – 1 field HLA-B – 1 field HLA-C – 1 field HLA-DRB1 – 1 field HLA-DQB1 – 1 field HLA-DQA1 – 1 field HLA-DPB1 – 1 field HLA-DPA1 – 1 field |
| Location | OM Laboratory Entered Transplant Hospital entered |
| Luminex | Luminex Antibody screen (SAG1) Tested within 120 days Luminex Antibody screen (SAG2) Tested within 120 days |
| Samples | Final ABO Blood Group Confirmed |

HEART OR LUNG TWL

| Criteria | Recipient Requirements |
|----------------------|--|
| HLA typing | Authorised for: HLA-A – 1 field HLA-B – 1 field HLA-C – 1 field HLA-DRB1 – 1 field HLA-DQB1 – 1 field HLA-DQA1 – 1 field HLA-DPB1 – 1 field HLA-DPA1 – 1 field |
| Location | OM Laboratory Entered Transplant Hospital entered |
| Luminex | Luminex Antibody screen (SAG1) Tested within 120 days Luminex Antibody screen (SAG2) Tested within 120 days |
| Unacceptable antigen | Authorised |
| Samples | Final ABO Blood Group Confirmed |
| Enrolment Criteria | Acceptable Height Range (cm) * |
| Height & Weight | Height (cm) Weight (kg) |

*For Lung recipients only.

LIVER TWL

| Criteria | Recipient Requirements |
|------------|--|
| HLA typing | Authorised for: HLA-A – 1 field HLA-B – 1 field HLA-C – 1 field HLA-DRB1 – 1 field HLA-DQB1 – 1 field HLA-DQA1 – 1 field HLA-DPB1 – 1 field HLA-DPA1 – 1 field |
| Location | OM Laboratory Entered Transplant Hospital entered |
| Samples | Final ABO Blood Group Confirmed |

COMBINED ORGAN PROGRAMS TWL

| Combined Organ Program | Recipient Requirements same as this Organ Program |
|---------------------------|---|
| Kidney/Liver TWL | Kidney TWL |
| Kidney/Heart TWL | Heart TWL |
| Kidney/Lung TWL | Lung TWL |
| Heart/Lung TWL | Lung TWL |
| Liver/Lung TWL | Liver TWL |
| Heart/Lung/Liver TWL | Liver TWL |
| Kidney/Pancreas/Liver TWL | Pancreas TWL |

ORGANMATCH READINESS CRITERIA- LABORATORY PORTAL

| | |
|--------------------------------------|-----------|
| Liver/Intestine/Stomach/Pancreas TWL | Liver TWL |
| Stomach/Intestine/Pancreas TWL | Liver TWL |
| Liver/Intestine/Pancreas TWL | Liver TWL |
| Liver/Lung/Pancreas TWL | Liver TWL |
| Liver/Pancreas TWL | Liver TWL |

KIDNEY KPD

| Criteria | Recipient Requirements | Donor Requirements |
|----------------------|--|--|
| HLA typing | Authorised for: HLA-A – 1 field HLA-B – 1 field HLA-C – 1 field HLA-DRB1 – 1 field HLA-DQB1 – 1 field HLA-DQA1 – 1 field HLA-DPB1 – 1 field HLA-DPA1 – 1 field | Authorised for: HLA-A – 1 field HLA-B – 1 field HLA-C – 1 field HLA-DRB1 – 1 field HLA-DQB1 – 1 field HLA-DQA1 – 1 field HLA-DPB1 – 1 field HLA-DPA1 – 1 field |
| Location | OM Laboratory Entered Transplant Hospital entered | OM Laboratory Entered Transplant Hospital entered |
| Luminex | Luminex Antibody screen (SAG1) Tested Luminex Antibody screen (SAG2) Tested | N/A |
| Unacceptable antigen | Authorised | N/A |
| Samples | Final ABO Blood Group Confirmed Linked in a Recipient-Donor Pair | Final ABO Blood Group Confirmed Linked in a Recipient-Donor Pair |

KIDNEY LDD

| Criteria | Recipient and Donor Requirements |
|------------|---|
| HLA typing | Authorised for: HLA-A – 1 field HLA-B – 1 field HLA-DRB1 – 1 field |
| Location | OM Laboratory Entered Transplant Hospital entered |
| Samples | Linked in a Recipient-Donor Pair |

LIVER LDD

| Criteria | Recipient and Donor Requirements |
|----------|--|
| Location | OM Laboratory Entered Transplant Hospital Entered |
| Samples | Linked in a Recipient-Donor Pair |

DECEASED DONORS

| Criteria | Recipient and Donor Requirements |
|-----------------|---|
| HLA typing | Authorised for: HLA-A – 1 field HLA-B – 1 field HLA-DRB1 – 1 field |
| Location | OM Laboratory Entered |
| Samples | Final ABO Blood Group Confirmed |
| Height & Weight | Height (cm) Weight (kg) |

DEFINITIONS

| Term/abbreviation | Definition |
|-------------------|-------------------------------|
| KPD | Kidney Paired Donation |
| LDD | Living Directed Donation |
| OM | OrganMatch |
| SAG | Single Antigen Luminex result |
| TWL | Transplant Waiting List |

REFERENCED INTERNAL DOCUMENTS

| Document number | Source |
|-----------------|--|
| OM-012 | Principles of Kidney Matching Algorithms |
| OM-038 | Principles of Kidney/Pancreas and Pancreas Matching Algorithms |
| OM-041 | Principles of Lung Matching Algorithms |
| OM-049 | Principles of Heart Matching Algorithms |

CHANGE HISTORY

| Version number | Effective date | Summary of change |
|----------------|-----------------|---|
| 1 | 16/05/2023 | New document |
| 2 | 04/12/2023 | <ul style="list-style-type: none"> Update of SAG expiry in readiness criteria to 120 days. Update to the document number of references. Addition of Liver/Pancreas TWL program in Readiness Criteria Requirements. |
| 3 | Refer to footer | <ul style="list-style-type: none"> Addition of Readiness Criteria for Pancreas Islets TWL. Update to referenced documents for OM-012. |

ELECTRONIC SIGNATURE

| | |
|-------------|------------------|
| Author | REBECCA SCAMMELL |
| Approver(s) | NARELLE WATSON |