Tissue Typing

The Initial and Confirmatory testing for entry onto the transplant waiting list is conducted at The Australian Red Cross Blood Service (ARCBS) Tissue Typing Department in Sydney. This can be organised by the transplant coordinator at St George or Prince of Wales Hospital.

Specimens must be sent with the Activation Request form and Tissue Typing Request Form (both found in Riscdoc) to the blood bank at St George Hospital who will forward them to the ARCBS. Blood for these tests may be collected Monday to Wednesday.

**BLOODS REQUIRED for Initial and Confirmatory tissue typing**
- 60 ml ACD (canary yellow top tube): 6 tubes x 10ml
- 9 ml EDTA (large purple top tube): 1 tube
- 10 ml Clotted with gel tube (large gold top tube): 1 tube

For the initial tissue typing please send a copy of the ABO grouping result along with activation request form. If printed from eMR please write the patient date of birth on the print out as this is required by the ARCBS.

Confirmatory tissue typing is done at least one week after the initial tissue typing.

**Maintaining patients on the transplant list**

A monthly maintenance sample is required for all active patients on the Kidney Recipient list to determine the current antibody status of the potential recipient. “Dry tubes” (10ml clotted gold top tube) are to be collected prior to 18th of each month and sent to ARCBS with a Tissue Typing request form (found in Riscdoc).

All tubes must be clearly labeled with the patient’s name, date of birth, date of collection and time of collection. Hospital labels may be used but samples will not be accepted by the Red Cross if a date and time of collection are not recorded.

**RE-ENTRY transplant bloods**

The Transplant Coordinator will liaise with Red Cross regarding what specimens are needed for the particular patient.

Reference