

Aug 30, 2024

© KAPP-Sen TMC: Whole human kidney preparation

DOI

dx.doi.org/10.17504/protocols.io.eq2lyw4kwvx9/v1

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KAPP-Sen TMC



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DOI: dx.doi.org/10.17504/protocols.io.eq2lyw4kwvx9/v1

Protocol Citation: Juliana Alcoforado Diniz, Ramalakshmi Ramasamy, Alejandro Peña, Qian Wu, Jillian L. Woodworth, Vladislav Bugay, Manpreet Semwal, Paul Robson 2024. KAPP-Sen TMC: Whole human kidney preparation. protocols.io

https://dx.doi.org/10.17504/protocols.io.eq2lyw4kwvx9/v1

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Protocol status: Working We use this protocol and it's working

Created: August 27, 2024

Last Modified: August 30, 2024

Protocol Integer ID: 106495



Keywords: KAPP-Sen TMC

Funders Acknowledgement: National Institute on Aging (NIA) KAPP-Sen Tissue **Mapping Collaborative** Grant ID: U54 AG075941

Abstract

This protocol describes removal, shipping, dissection, formalin preservation of a whole human kidney from a brain-dead donor.



- 1 Remove the whole kidney from a brain-dead donor. Flush the kidney with UW solution and perfuse with 1 liter of Waters IGL Pulsatile Perfusion Solution (PPS) for shipping.
- 2 Use overnight (ON) shipping, cold with ice.
- Once received, bring the sample still on ice to the pathology department at UConn Health for dissection. The whole process was performed at room temperature (RT) and non-sterile.
- 4 Cut the whole organ in half along the middle plane (coronal section) and remove tissue pieces with a scalpel. The samples are roughly 1 cm x 1 cm and 0.5 cm thick and placed directly in labelled containers with 10 ml of 10% Neutral buffered formalin (NBF).
- The samples are kept in RT and shipped the same day to JAX Histology Services in Bar Harbor. The samples are submitted to paraffinization (embedding of tissue blocks in paraffin) the same day they are received.