

Rare Kidney Disease Registry and Bio-resource Quick Reference Guide

Specimen Collection

Transport

Sample Processing

EDTA Plasma and DNA (1 x 9 ml purple tube)



****ICE****



EDTA Plasma – (page 62 protocol)

- centrifuge at 4 degree at 2000g for 10mins
- Aliquot all plasma into 15 ml tube and re-spin.
- Aliquot 1 ml plasma into each **1x violet capped cryovials, & 2 white capped with purple insert cryovials.**
- Add (1x) 10ul of Sigma Protease Inhibitor into 1x 1ml of sample in the 1 violet capped cryovials. Add the remaining plasma to two 1ml white capped with purple insert cryovials.
- Freeze 3 cryovials and original Edta Blood tube at -80

PBMC Prep (2 x 9ml purple tubes)



Room Temp



Contact _____

Transport to IMM, St James's Hospital at room temperature.

Serum (1 x red tube)



Room Temp



Serum – (page 63 protocol)

- Centrifuge at 4 degrees at 2000G for 10mins
- Aliquot 1ml plasma into each **3 yellow capped cryovials**
- Freeze 3 cryovials at -80

Pax Gene RNA x1

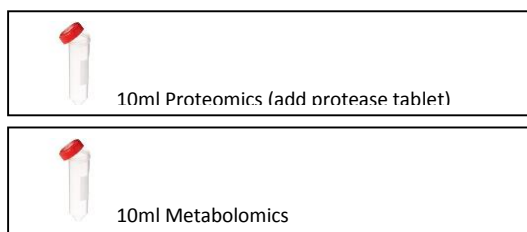


Room Temp for 2 hours



Store in -20 Freezer

Urine Collection



****ICE****



Proteomics – (Page 57 protocol)

- Centrifuge at 4 degrees at 2000g for 10mins
- Aliquot 1ml urine supernatant into each **4 green capped cryovials** and aliquot 5ml urine into 1 large white capped cryovial. Freeze at -80 degrees.

Metabolomics – (page 58 protocol)

- Centrifuge at 4 degrees at 2000g for 10 minutes
- Aliquot 1ml urine supernatant into each of **4 blue capped cryovials** and Aliquot 5ml urine into 1 large white capped cryovials with blue insert.
- Freeze at -80 degrees.

Exosomes-(page 59 protocol)

- Centrifuge at 4 degrees at 2000g for 10 minutes
- Aliquot urine supernatant into 50 ml tubes.
- Freeze all at -80