**Research Sample Requirements for Creatinine Measurement by**

**Isotope Dilution LC-MSMS**

**UAB/UCSD O’Brien Center Core B Resource**

**Overnight mailing address:**

**UAB Biochemical Genetics Laboratory**

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[**http://www.uab.edu/medicine/obriencenter/cores**](http://www.uab.edu/medicine/obriencenter/cores)

1. Please pipet an **exact amount** of sample (plasma/serum or urine) in a **1.5 ml microfuge tube** **only**. Ten microliters is optimal. It is best to provide the same amount for each sample, but not necessary. Please note the volume of each sample on the sample list. Determinations can be made on volumes as low as 2 l in most cases. Store any extra sample at -80°C in case a second determination is required.

**Note: The laboratory can no longer accept samples that have not been prepared in this manner.**

1. Number the tubes sequentially from 1 through the last tube.
2. Freeze the samples at -20°C for short term (<1 week), or -80°C for longer term storage.
3. Keep samples frozen for transportation to the Biochemical Genetics Lab. **Mailed samples should be sent overnight on dry ice. Please do not mail samples after the Wednesday of any given week.**
4. Again, please provide us with the **exact amount** of sample in each tube.
5. Please provide a **hard copy** of the following information with each batch of samples:

A. User

B. Laboratory department/company name and address

**C. Number of samples, type (plasma/serum/urine), volume, animal (rat/mouse)**

D. Email address

E. Phone #

F. Account number to charge (for UAB users only)

G. PI

H. Where to send results (email)

7. Beginning January 1, 2024, the cost of analysis will be $8 per sample for academic institutions. **The preferred method of payment is by credit card or electronic transfer**. Turnaround time depends on pending samples but is generally about 2 weeks.