

**Research Sample Requirements for Creatinine Measurement by
Isotope Dilution LC-MSMS
UAB/UCSD O'Brien Center Core C Resource**

**Overnight mailing address:
UAB Biochemical Genetics Laboratory
Attn: John Moore, KAUL 642
720 20th Street South
Birmingham, AL 35233
Phone: 205-996-4992**

1. Please pipet an **exact amount** of sample (plasma or urine) into a **1.5 ml** microfuge tube. Ten to 20 μ l works very well. 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 μ l in most cases. Store any extra sample volume at -80°C in case a second determination is required.

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

2. Number the tubes sequentially from 1 through the last tube.
3. Prepare and keep a sample key with the code for each sample. For example:

| <u>Tube label</u> | <u>Sample Code</u> |
|--------------------------|---------------------------|
| 1 | exp 52 |
| 2 | control 45 |
| 3 | exp 8 |
| etc. | |

4. Freeze the samples at -20°C for short term (<1 week), or -80°C for longer term storage.
5. 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.**
6. Again, please provide us with the **exact amount** of sample in each tube.
7. Please provide the following information with the samples:
 1. User name
 2. Laboratory department and campus address
 3. Email address
 4. Phone #
 5. Account number to charge
 6. PI
 7. Where to send results
8. Note that the cost of analysis is \$6 per sample. Turnaround time will vary, but is generally 1 – 2 weeks.