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

Overnight mailing address:
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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 µl 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 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.
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 each batch of samples:

   A. User name
   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)

8. Note that the cost of analysis is $7 per sample for academic institutions and $11 per sample for commercial entities. Turnaround time depends on pending samples, but is generally about 2 weeks.