**UCLA Lipidomics Lab**

**Plasma/Serum Collection Protocol**

Human or animal plasma/serum should be collected according to your institution’s regulations. In general, plasma samples are preferable to serum samples, as serum samples may hemolyze during the clotting process. It is strongly recommended that human patients and animals be fasted prior to collection. Mice should be fasted for 4-6 hours. Ideally animals should be transferred to new cages without food for fasting period to prevent eating of food that has fallen into the bedding.

1. Plasma samples should be ideally collected in an EDTA (purple) tube (heparin can degrade over time resulting in clotting).

2. Following plasma collection, samples should be centrifuged, transferred to numbered tubes or cryovials and frozen (-80) in a timely manner (within a few hours).

3. The minimum sample volume is 30 microliters, but 100 microliters is ideal in case samples need to be re-analyzed.

4. Fill out “Sample Submission Form” (downloadable at uclalipidomics.net) with sample number and information.

5. External clients should overnight ship samples by FedEx. Pack sample box with dry ice in a Styrofoam shipping box. Tape up and label box with FedEx Overnight shipping tag. Use Shipping address below. Email lipidomics@mednet.ucla.edu with “Sample Submission Form” and FedEx tracking information.

6. Internal clients should contact the core to deliver samples according to the current COVID-19 “No Contact” Drop Off Protocol.

Ship Samples To:

Kevin Williams

UCLA Lipidomics/Bensinger Lab

615 Charles E. Young Dr. South

BSRB 257

Los Angeles, CA 90095