

Sample handling instructions

Blood sample collection and processing:

- Collect blood samples using 8 or 10-mL Vacutainer EDTA tube (or another appropriate anticoagulant).
- Spin collected blood samples at 2500-3000 rpm for 15 min to separate plasma (or serum).
- Gently transfer plasma or serum into 1.5 or 2-mL Eppendorf tubes and freeze samples immediately. Do NOT fill the tube more than 2/3 of the maximum volume of the container. Otherwise, when the sample is frozen, it will expand and break open the top, potentially leading to loss of water and altered analyte concentrations.
- Label the tube clearly and legibly. Computer-typed labels are highly recommended.
- Collected plasma samples must be stored at -20°C until the day of shipment. Avoid repeated freeze/thaw cycles.

Shipping

Materials:

- Styrofoam box
- Cardboard cryo/freezer boxes with 81-sample divider
- Eppendorf and/or Falcon plastic tube(s)
- Dry ice
- Shipping box
- MSU Sample Submission Form (electronic copy)

Step 1: Place Eppendorf tubes into the appropriate cardboard cryo/freezer box and tape the cardboard cryo/freezer box. Label the cardboard cryo/freezer box with computer-typed or use readable waterproof sharper.

Step 2: Place the cardboard cryo/freezer box into the Styrofoam box.

Step 3: Place a sufficient amount of dry ice in the Styrofoam box to keep the samples cold for 48 hours (at least 2 lb/shipping day).

Step 4: Fill out a MSU Sample Submission Form, print and sign.

Step 5: List an accurate product value in the shipping documentation.

Step 6: Please send a copy of the sample submission form, the invoice, and the tracking # to Lamankm@msu.edu or bjbrad@msu.edu

Shipping box inserted with Styrofoam



- Cardboard box with 81-well divider



- Eppendorf tubes



- Mailing

DO NOT ship on Thursday or Friday. The samples will likely be ruined by the time the MSU team receives them. Shipping samples Monday through Wednesday is strongly suggested. Use next-day shipping (FedEx carrier highly suggested) with guaranteed morning delivery.

SHIPPING ADDRESS

Att: Laman Mamedova (Barry Bradford)

166 Service Road,

2235 Anthony Hall,

East Lansing, MI 48824

Do NOT ship samples like this:

- Luck of dry ice samples were thawed by time of delivery:



- Samples were ship without cryo/freezer boxes with 81 divider:

