



### **Extraction of Metabolome From Plasma**

*\*For batches of samples larger than 50, please contact our Metabolomics Facility regarding experimental design*

1. Collect 50  $\mu$ L of plasma into a tube pre-added with 950  $\mu$ L of ice-cold methanol/water 80% (vol/vol).
2. Vortex rigorously for 1 min, and then centrifuge at  $\sim 20,160$   $xg$  for 15 min in a refrigerated centrifuge.
3. Transfer the metabolite-containing supernatant to a new tube.
4. Keep the protein pellet to perform protein quantitation using BCA assay if desired.
5. Use a SpeedVac to dry the tube containing the supernatant to a pellet using no heat. Apply a breathable membrane to each tube to prevent cross-contamination.
6. Ship dried metabolite pellet to us on dry ice (note: the dried metabolite pellet can be kept at  $-80^{\circ}\text{C}$  for 1-2 months).