

DAISY OGTT Laboratory Procedures

1. Prepare OGTT worksheet, record:
 - a. Subject ID
 - b. Date of visit
 - c. Clinic staff initials
 - d. Lab staff initials
2. Set centrifuge to 4°C program #5 (cold spin)
3. Print sample cryovial labels-update id# and date of visit (mmddyy)
 - a. S:\DAISY OGTT\DAISY Lab\OGTT labels
4. Take out HbA1c cartridge from refrigerator
5. Record time of first blood draw and initial glucometer result-check with clinic staff
6. Run HbA1c and YSI from first blood draw, grey bullet-record results on worksheet
7. As red and purple top blood collection tubes are brought into the lab
 - a. Red top should be allowed to clot on the bench for 10 minutes prior to spinning
 - b. Keep purple top on ice or spin immediately in cold centrifuge
 - c. Spin both blood collection tubes in cold centrifuge for 10 minutes at 2700 rpm
8. Transfer plasma from purple top tube into 2ml cryovial with purple sticker cap
 - a. Keep samples on ice until moved to freezer
 - b. Transfer to box in -80 freezer
 - c. This sample will be analyzed for c-peptide,
9. Transfer serum from red top tube into 2ml cryovial with red sticker cap
 - a. Keep samples on ice until moved to freezer
 - b. Transfer to box in -80 freezer
 - c. This sample will be analyzed for glucose and insulin
10. As samples are processed, record the following on the worksheet:
 - a. Volume of serum and plasma transferred to cryovials and
 - b. Time the samples were transferred to the freezer
11. At last time point, 120 minutes
 - a. Run YSI from grey bullet-record result on worksheet
 - b. Record final glucometer result-check with clinic staff
12. When procedure is completed and all samples have been processed, complete CORE Laboratory Request Form (S:\DAISY OGTT\CHC 804 Core lab req.pdf)
 - a. Complete collection date, draw time, and clinic staff name
 - b. Attach subject label (last label) to upper right hand corner of request form
13. Prepare sample list (template S:\DAISY OGTT\OGTT Sample Tracking_template)
14. Save the sample list to the Sample Sent folder, with date extension (ex. OGTT Sample Tracking_073015)
 - a. Print a copy of the sample list to send to the CCTSI CORE lab with samples
15. Prior to transporting samples, send email notification to the CCTSI Core Lab and include the sample list (email jody.gould@ucdenver.edu)

16. Bring samples, sample list, and Request form over to CCTSI CORE Laboratory (Leprino Bldg) on the same day, keeping samples frozen (no later than 4:00 p.m.)

NOTES:

Purple top tubes will be prepared by CCTSI CORE Laboratory, EDTA tubes with added aprotinin

Red serum tubes with or without gel separator will be used

Clinic staff will aliquot a small amount of blood into grey bullet on the first and last draw, for HbA1c and YSI tests