

Establishing a Biorepository Collection

- Complete a Biorepository Storage Request [form](#) and submit to Biospecimen.Repository@hitchcock.org
- Requests for storage or access to specimen(s) reviewed; workflow and notifications are established prior to collection and storage.
- Questions may be directed to the Biorepository team at 603-650-7952

Placing an Order for the Biorepository

- LAB3175 Specimen to Pathology for tissue orders, complete “Biospecimen to Store” section
- LAB4043 Biorepository Request for non-tissue specimens (i.e. Blood, stool, swab)
- LAB4278 [Living Donor Storage](#) (Solid Organ Transplant order)

Ensure the Study for which the specimen is being collected and stored is indicated either through the order dropdown selection or in the comments field of the order.

Guidelines for Biorepository Specimen Collection

- Patient name and MRN must be clearly written and attached directly to EACH specimen tube or container being submitted to biorepository.
- Labeling of the specimen tube or container is required to occur at the time of collection from the patient and that verification of the A# with the patient's wristband can be made.
- Indicate the requesting study on the Standard Laboratory requisition forms.

Study-specific Biorepository Specimen Collection Guidelines as follows:

[Rothstein / WWC / 29424 / D17032 Study](#)

- ❖ **COLLECTION SITES include Main campus, Heater Road, DH-Affiliates**
- ❖ **P800 tubes stocked ONLY at Heater Road**

- ❖ Blood tubes labeled as usual at Blood draw
- ❖ Use a butterfly to draw this collection set

Study Kit contains:

- 6mL lavender-topped (EDTA) blood tube
- 10mL red-topped (Serum) blood tube – up to two (2) tubes
- 10mL P800 blood collection tube

Accepted Substitutions:

- 6mL lavender-topped: Up to two 4mL lavender-topped (EDTA) blood tubes*
- 10mL red-topped: Up to four 5mL gold topped blood tubes*
- 10mL P800: no applicable substitutions, if not available do not draw*

6mL lavender-topped (EDTA) blood tube

- Following venipuncture. invert the collection tube 10x
- Store at 4C (refrigerated) until courier pickup.
- Transport to the DHMC Main Campus Pathology LSR at Room Temperature
- LSR delivers to CGAT 4°C pass-through

10mL red-topped (Serum) blood tube

- Up to two (2) Red-topped Blood collection tube(s) are drawn
- Following venipuncture, invert the red-topped serum collection tubes 10x
- Allow the red-topped tubes to coagulate or clot at Room Temperature for 30 minutes.
- Transition coagulated serum tubes to 4C (refrigerated) until courier pickup.
- Transport to the DHMC Main Campus Pathology LSR at Room Temperature.
- LSR delivers to CGAT 4°C pass-through

10mL P800 blood collection tube

****P800 Tubes Stocked at DHMC Heater Road Lab by WWC or provided to by WWC Study Coordinator Main Campus 3L staff at time of Blood Draw**

- Use a butterfly to draw this collection set
- Following venipuncture, immediately processing needed:
 - If centrifuge not available, transport to Biorepository (708 East Borwell) and deliver to Biorep staff
- If centrifuge available, invert collection tubes and centrifuge for 20 minutes at 1300 rcf (3000 rpm).
- Maintain centrifuged tube in **upright** position following post-collection centrifugation, storage and transport to CGAT lab to avoid disrupting the blood separation.
- LSR delivers to CGAT 4°C pass-through

5mL gold-topped (SST) blood tube ****Substitute for red-topped**

- Following collection, BD Vacutainer® SST™ Serum Separation Tubes must undergo 30 minutes clotting time prior to centrifugation.
- The gel forms a physical barrier between plasma and blood cells during centrifugation.
- BD does not recommend re-centrifuging gel tubes once the barrier has formed.

NOTE: Stool Collection Kit provided to Consented Patient by WWC, patient collects and returns to clinic, WWC RA deliver stool specimens to Heater Road for courier transport to main DH lab

10mL OMNI-Gut Stool Collection kit

- Stool Collector provided to patient by WWC study clinic
- Store at Room Temperature
- Specimen is provided to lab by patient; lab techs must label and document collection time
- Transport to the DHMC Main Campus Pathology LSR at Room Temperature
- LSR delivers to CGAT Biorepository Room Temperature Drop Off bin

Gilbert-Diamond / WWC / 31064 / D19071 Study

- ❖ **COLLECTION SITES include Main campus and DH-Affiliates**
- ❖ **Blood Tube Study Kit including P800 tube provided to Phlebotomy by WWC RA at time of Blood Draw.**
- ❖ **Blood tubes labeled as usual at Blood draw**
- ❖ **Study blood collection transported by WWC RA to the ORO Lab for initial processing.**
- ❖ **Use a butterfly to draw this collection set**

Study Kit contains:

6mL lavender-topped (EDTA) blood tube
10mL red-topped (Serum) blood tube – up to two (2) tubes
10mL P800 blood collection tube

- Venipuncture completed using a butterfly needle
- Following venipuncture, tubes are inverted 10 times
- D19071 Study Kits drawn at 3L are returned to the WWC Research Associate for transport to the Biorepository (708 East Borwell) for processing

NOTE: Stool Collection Kit provided to Consented Patient by WWC, patient collects and returns to clinic, WWC RA deliver stool specimens to Heater Road for courier transport to main DH lab or delivery directly to Biorepository located in 708 East Borwell of DHMC Lebanon Campus

10mL OMNI-Gut Stool Collection kit

- Stool Collector provided to patient by WWC study clinic
- Store at Room Temperature
- Specimen is provided to WWC study coordinator by patient
 - DH Lab techs must label and document collection time
- Transport to the DHMC Main Campus Pathology LSR at Room Temperature or deliver directly to Biorepository (708 East Borwell)
- LSR delivers to CGAT Biorepository Room Temperature Drop Off bin

McClure / TKCC / 2000546 / D20143 Study

- ❖ Stool collection only
- ❖ Collection tube labeled as usual
- ❖ HEATER ROAD Drop-off or deliver to Biorepository located at 708 East Borwell

Study Kit contains:

10mL OMNI-Gut Stool Collection Kit

NOTE: Stool Collection Kit provided to Consented Patient by WWC clinic, patient collects and returns to clinic, WWC RA deliver stool specimens to Heater Road for courier transport to main DH lab or delivery directly to Biorepository located in 708 East Borwell of Main Campus

10mL OMNI-Gut Stool Collection kit

- LAB4043 Biorepository Request is placed by ordering Clinician
- Stool Collector provided to patient by WWC study clinic
- Store at Room Temperature
- Specimen is provided to WWC clinic by patient; WWC RA provides specimen(s) to Heater Road lab
- Transport to the DHMC Main Campus Pathology LSR at Room Temperature or deliver directly to Biorepository (708 East Borwell)
- LSR delivers to Biorepository at Room Temperature Drop Off bin

Dragnev / ORIEN / 30172 / W16141 Study

Tissue available in excess of clinical diagnosis

One 6mL lavender-topped (EDTA) blood tube

- following venipuncture, invert the collection tube 10x
- Store at 4C (refrigerated) if using courier pickup.
- Transport to the DHMC Main Campus Pathology LSR at Room Temperature
- LSR delivers to CGAT 4°C pass-through

Nerenz / C19 Serology / 02000432 / D20102

- ❖ DH MAIN Campus and Affiliate site collections
- ❖ DH MAIN Campus should tube to Pathology at RT
- ❖ DH Affiliate draws follow processing steps outlined prior to courier
- ❖ Green-topped and Gold-topped tubes are processed by centrifugation after SST have clotted

Study Kit contains:

- 5mL gold-topped (Gel separator) blood tube – up to two (2) tubes
- 5mL green-topped (Gel separator) blood tube – up to two (2) tubes
- 6mL lavender-topped (EDTA) blood tube

NOTE: Following collection, BD Vacutainer® SST™ Serum Separation Tubes must undergo 30 minutes clotting time prior to centrifugation.

NOTE: The gel forms a physical barrier between plasma and blood cells during centrifugation.

CAUTION: BD does not recommend re-centrifuging gel tubes once the barrier has formed.

5mL Green topped (Lithium-Heparin) tubes and 5mL Gold (SST) topped tubes

- Up to two (2) Green-topped and two (2) Gold-topped Blood collection tube(s) are drawn
- following venipuncture, invert the collection tube 10x
- Allow the Gold SST tubes to clot at Room Temperature for 30 minutes
- Centrifuge samples for 10 minutes at 3000 rpm (2000 x g)
- Store at 4C (refrigerated) through delivery to the Biorepository/CGAT

One 6mL lavender-topped (EDTA) blood tube

- following venipuncture, invert the collection tube 10x
- Store at 4C (refrigerated) until courier pickup.
- Transport to the DHMC Main Campus Pathology LSR at Room Temperature
- Store at 4C (refrigerated) through delivery to the Biorepository/CGAT

Lawson / CIPN/ 30310 / D17062 Study

One 6mL lavender-topped (EDTA) blood tube

- following venipuncture, invert the collection tube 10x
- Store at 4C (refrigerated) if using courier pickup.
- Transport to the DHMC Main Campus Pathology LSR at Room Temperature
- LSR delivers to CGAT 4°C pass-through

Leach / T2M2 / 24281 / D13248 Study

ENROLLMENT HAS ENDED

One 6mL lavender-topped (EDTA) blood tube

- following venipuncture, invert the collection tube 10x

- Store at 4C (refrigerated) until courier pickup.
- Transport to the DHMC Main Campus Pathology LSR at Room Temperature
- LSR delivers to CGAT 4°C pass-through

One 10mL green-topped (Sodium Heparin) blood tube

- following venipuncture, invert the collection tube 10x
- Store at 4C (refrigerated) until courier pickup.
- Transport to the DHMC Main Campus Pathology LSR at Room Temperature
- LSR delivers to CGAT 4°C pass-through

Tissue available in excess of clinical diagnosis

- [T2M2](#)
- [T2M2-GYN](#)
- T2M2-Lung
- T2M2-RCC
- [T2M2-Melanoma](#)