



MarkVCID Consortium sites are required to follow the agreed upon sample collection requirements listed below. For more details, please refer to the [MarkVCID Fluid Sample Best Practices](#) on the internal MarkVCID website.

Required Trainings

All site staff who receive and process samples, print labels, scan and input information into the MarkVCID virtual repository must complete the virtual biorepository training. (<https://markvcid.partners.org/4-virtual-biorepository-training>)

All staff who ship biosamples must maintain current training and certification in the shipping and handling of biological specimens as mandated by their site.

Biosamples

The Consortium has mandated biosample types to be collected and stored for MarkVCID Consortium use.

Blood and CSF Collection and Storage

Sites must use the following tubes for collection:

Sample Type	Tube Volume	Product Number & Link	Total Stored Sample Amount	Aliquot Size	Cryovial Size	Cryovial Product Number & Link
Serum	8.5ml	BD Vacutainer 367988	4-5ml	0.25ml	0.5ml	DWK W985874
Plasma & Packed Cells for DNA	10ml	BD Vacutainer 366643	Plasma: 4-5ml Packed cells: 3ml	Plasma: 0.25ml Packed cells: 1.0ml	Plasma: 0.5ml Packed cells:1.2ml	Plasma: DWK W985874 Packed Cells: DWK W985862
Platelet Poor Plasma	6ml	BD Vacutainer 364816	4-5ml	0.25ml	0.5ml	
Total Blood Volume	24.5ml					

Sample Type	Tube Vol Max Draw	Product Number & Link	Stored Sample Amount	Aliquot Size	Cryovial Size	Cryovial Product Number & Link
CSF (if collecting)	30ml	Rose Sci wrapped 17022	5ml	0.25ml	0.5ml	DWK W985874

Required Procedures for Instrumental Validation (Test-Retest of Subjects)

Each site must collect and store plasma, PPP, and serum as follows:

- Common biosamples (including plasma, PPP, and serum) at the same time of day on 10 subjects at 3 timepoints, at least 5 days apart from one another and completed within 30 days
- Subjects should be a minimum of 50% diseased patients. Remaining can be healthy controls or additional patients

Supplies and Shipping

Sites must purchase all biosample handling and storage supplies outlined above.

Sites are responsible for shipping biosamples to other sites when necessary. The Coordinating Center will cover shipping costs and has set up a FedEx account for site use see [MarkVCID Shipping Human Biospecimens Guideline](#) for waybill and account information).

Brady Printer Supplies

The Coordinating Center will cover the cost of the Brady IP i5100 300dpi printer ribbon spool and label roll. Please email the Coordinating Center with a request to re-order these supplies and allow a 4-6 week window for processing and delivery.