

BioSEND BANK-CTE Instructions (Quest)

1. Sample Preparation

1. Immediately following collection completion, blood samples are prepared at the PSC as follows: Each tube will be labeled with the participant's de-identified code.

Collect blood into three (3) 10-mL and one (1) 4mL K2EDTA-Plasma tubes and mix by inversion 10 times. Store all blood on wet ice until ready to centrifuge. Keep the one 4-mL EDTA blood tube on ice until ready to freeze with the aliquots. Centrifuge all three 10-mL tubes for 12 minutes at 1200 RCF, at room temperature (18-25°C) within 1 hours of collection. Carefully transfer plasma from the three (3) 10 mL EDTA tubes in ~1.5 mL aliquots into 9 Quest 12x75 Nichols polypropylene tubes, (product name SR195730).

Store the 9 plasma aliquots and one 4 mL whole blood EDTA tube at -10 to -70°C.
Collection completion viewed in real time through the online account on Quanam.

2. Sample Shipment to Quest Regional Business Unit & Quest San Juan Capistrano Storage

1. Plasma and whole blood samples are transported on dry ice via courier to the local Quest regional business unit

The courier will place samples (which were temporarily stored at -20°C in freezer at the PSC) on dry ice (provided by the courier) for transportation from Quest PSC to Quest regional business unit

Specimens drawn that day are sent by late evening (preferable) or early morning the following day

Samples will be entered as received in Quanam as soon as it arrives at Quest regional business unit and can be viewed in real time through the online account

Plasma will be stored at -80°C at the Quest regional business unit

1. Quest regional business units will ship specimens to Quest San Juan Capistrano (SJC) for final processing.

Specimens are sent with usual nightly shipments, specimens will be transported and shipped on dry ice to maintain sample integrity.

Samples will be entered as received in Quanam upon arrival at the Quest SJC lab.

Plasma and whole blood will be stored at -80°C at the Quest SJC lab.

Samples will be separated for shipping to the BU analytical facility.