

BLOOD COLLECTION PROCESSING WORKFLOW

Please collect all tubes in one session. Label each tube with the patient's date of birth.
Blood processing must be completed within 45 minutes after blood collection.

Before venipuncture, thoroughly wash the skin area with isopropyl alcohol, using two successive swabs of clean, sterile cotton. **Do not use iodine or mercury-based disinfectants/antiseptics.** Extra cleaning of the skin is important for accurate trace element analysis. **Use only stainless steel needles, with no aluminum or other metal crimp ring.**

USE THIS BLOOD PROCESSING WORKFLOW WITH CURRENT KIT

BLOOD PROCESSING



Na HEPARIN BLUE-TOP TUBE:

Gently invert the tube 10-15 times.
CENTRIFUGE 15 min. @ 3000 RPM
(or more in standard clinical centrifuge)

TRANSFER plasma to amber tube

REMOVE the buffy coat layer on top of the red blood cells

REFRIGERATE no more than 4 days prior to shipping

RETURN TO LAB - DO NOT DISCARD



AMBER TRANSFER TUBE

FREEZE

Must be completely frozen prior to shipping

RETURN TO LAB



Draw Only if ordering Vitamin D.

RED SST TIGER-TOP TUBE:

CLOT for 15 min. while standing in a rack

CENTRIFUGE 15 min. @ 3000 RPM

TRANSFER serum to red-top tube

DISCARD AFTER SERUM IS TRANSFERRED



RED-TOP TRANSFER TUBE:

FREEZE

Must be completely frozen prior to shipping

RETURN TO LAB



LARGE EDTA LAVENDER TOP TUBE:

Gently invert 5x. **DO NOT SHAKE**

REFRIGERATE no more than 4 days prior to shipping

RETURN TO LAB



SMALL EDTA LAVENDER TOP TUBE:

Gently invert 5x. **DO NOT SHAKE**

REFRIGERATE no more than 4 days prior to shipping

RETURN TO LAB

"RETURN TO LAB" CHECK LIST

5 VIALS - Physician Blood Collection

- 1 Amber Transfer Tube - Plasma - (frozen)
- 1 Blue-top Na Heparin Tube - Packed RBCs - (refrigerated)
- 1 Red-top Transfer Tube - Serum (frozen) - *If ordering Vitamin D*
- 1 Large Lavender-top Tube - (refrigerated)
- 1 Small Lavender-top Tube - (refrigerated)

3 VIALS - Patient Urine Collection

- 1 Blue-top Amber Tube - (FMV - frozen)
- 1 Green-top Urine Tube - (FMV - frozen)
- 1 Green-top Preservative Tube - (FMV - frozen)

The 3 Urine Vials must be completely frozen prior to shipping.
 Please ensure samples were not thawed in transit to physician's office.

USE THIS BLOOD PROCESSING WORKFLOW WITH NEW KIT

BLOOD PROCESSING



EDTA LAVENDER TOP TUBE (6ml):

Gently invert the tube 10-15 times

Process within 15 minutes after blood draw

Centrifuge 15 min. at 3000 RPM

Transfer plasma to clear-top transfer tube

DISCARD



CLEAR-TOP TRANSFER TUBE

Freeze

RETURN TO LAB



NA EDTA BLUE-TOP TUBE

Gently invert the tube 10-15 times

Refrigerate no more than 4 days prior to shipping

RETURN TO LAB



RED SST TIGER-TOP TUBE

Clot for 15 min. while standing in a rack

Centrifuge 15 min. at 3000 RPM

Transfer serum to amber transfer tube

DISCARD



AMBER TRANSFER TUBE

Freeze

RETURN TO LAB



SMALL EDTA LAVENDER TOP TUBE

Gently invert 5 times

Do Not Shake

Refrigerate

RETURN TO LAB

"RETURN TO LAB" CHECK LIST

4 VIALS - Physician Blood Collection

- 1 Clear-top Transfer Tube - (frozen)
- 1 Amber Transfer Tube - (serum - frozen)
- 1 Blue-top Na EDTA Tube - (refrigerated)
- 1 Small Lavender-top Tube - (refrigerated)

3 VIALS - Patient Urine Collection

- 1 Blue-top Amber Tube - (FMV - frozen)
- 1 Green-top Urine Tube - (FMV - frozen)
- 1 Green-top Preservative Tube - (FMV - frozen)

The 3 Urine Vials must be completely frozen prior to shipping. Please ensure samples were not thawed in transit to physician's office.