

Atypical Hemolytic Uremic Syndrome Complement Panel, Serum and Plasma

Test ID: AHUSD

Explanation: The total requested volume for serum will be updated for this test panel. Clarification for the volume of serum required for each tube/test will also be included.

Current Specimen Required

Both serum and plasma are required for this test.

Patient Preparation:

1. Fasting: 12 hours, preferred but not required
2. Do **not** collect specimens for at least 48 hours following plasma exchange.

Supplies: Sarstedt Aliquot Tube, 5 mL (T914)

Specimen Type: Serum

Collection Container/Tube:

Preferred: Serum gel

Acceptable: Red top

Submission Container/Tube: Plastic vial

Specimen Volume: 1.5 mL total serum in **3 separate plastic vials**, each containing 0.5 mL serum

Collection Instructions:

1. Immediately after specimen collection, place the tube on wet ice and allow specimen to clot.
2. Centrifuge at 4 degrees C.
3. Aliquot serum into **3 separate plastic vials**, each containing 0.5 mL.
4. Within 30 minutes of centrifugation, freeze specimen. Specimen must be placed on dry ice if not frozen immediately.

Note: If a refrigerated centrifuge is not available, it is acceptable to use a room temperature centrifuge, provided the sample is kept on ice before centrifugation, and immediately afterward, the serum is aliquoted and frozen.

Specimen Type: Plasma

Collection Container/Tube:

Preferred: Lavender top (K2 EDTA)

Acceptable: Lavender top (K3 EDTA), light-blue top (sodium citrate)

Submission Container/Tube: Plastic vial

Specimen Volume: 1.5 mL total plasma in **2 separate plastic vials**, each containing 0.75 mL plasma

New Specimen Required

Both serum and plasma are required for this test.

Patient Preparation:

1. Fasting: 12 hours, preferred but not required
2. Do **not** collect specimens for at least 48 hours following plasma exchange.

Supplies: Sarstedt Aliquot Tube, 5 mL (T914)

Specimen Type: Serum

Collection Container/Tube:

Preferred: Serum gel

Acceptable: Red top

Submission Container/Tube: Plastic vial

Specimen Volume: 1.75 mL Serum total in **3 separate plastic vials** (see Collection Instructions)

Collection Instructions:

1. Immediately after specimen collection, place the tube on wet ice and allow specimen to clot.
2. Centrifuge at 4 degrees C.
3. Aliquot serum into **3 separate plastic vials**:
 - a. Aliquot 0.5 mL into a plastic vial labeled COM3
 - b. Aliquot 0.5 mL into a plastic vial labeled C3HUS/C4HUS/FBCA/FHCA
 - c. Aliquot 0.75 mL into a plastic vial labeled AH503
4. Within 30 minutes of centrifugation, freeze specimen. Specimen must be placed on dry ice if not frozen immediately.

Note: If a refrigerated centrifuge is not available, it is acceptable to use a room temperature centrifuge, provided the sample is kept on ice before centrifugation, and immediately afterward, the serum is aliquoted and frozen.

Specimen Type: Plasma

Collection Container/Tube:

Preferred: Lavender top (K2 EDTA)

Acceptable: Lavender top (K3 EDTA), light-blue top (sodium citrate)

Collection Instructions:

1. Immediately after specimen collection, place the tube on wet ice.
2. Centrifuge between 1000 and 2000 x *g* for 10 minutes at 4 degrees C.
3. Aliquot plasma into **2 separate plastic vials**, each containing 0.75 mL.
4. Within 30 minutes of centrifugation, freeze specimen. Specimen must be placed on dry ice if not frozen immediately.

Note: If a refrigerated centrifuge is not available, it is acceptable to use a room temperature centrifuge, provided the sample is kept on ice before centrifugation, and immediately afterward, the plasma is aliquoted and frozen.

Submission Container/Tube: Plastic vial

Specimen Volume: 1.5 mL Plasma total in **2 separate plastic vials**, each containing 0.75 mL

Collection Instructions:

1. Immediately after specimen collection, place the tube on wet ice.
2. Centrifuge between 1000 and 2000 x *g* for 10 minutes at 4 degrees C.
3. Aliquot plasma into **2 separate plastic vials**, each containing 0.75 mL.
4. Within 30 minutes of centrifugation, freeze specimen. Specimen must be placed on dry ice if not frozen immediately.

Note: If a refrigerated centrifuge is not available, it is acceptable to use a room temperature centrifuge, provided the sample is kept on ice before centrifugation, and immediately afterward, the plasma is aliquoted and frozen.

Questions

Contact Melissa Derksen, Laboratory Resource Coordinator at 800-533-1710.