

Shipping Procedure for Priority ADAMTS13 Activity

The client (shipper) is responsible for adhering to packaging and shipping guidelines (US Department of Transportation Hazardous Materials Regulations and International Air Transport Association Dangerous Goods Regulations).

For the successful processing of Priority ADAMTS13 Activity, specimens must be shipped frozen on dry ice by FedEx First Overnight® service. Specimens shipped by FedEx on Friday must be marked for Saturday delivery. Shipments can be received Monday through Saturday. The client must utilize the client FedEx account number for FedEx First Overnight shipments to LabCorp for this process.

Items Required for Shipping Biological Specimens for Priority ADAMTS13 Activity

1. Insulated Styrofoam container (inner package) with lid-container must be intact without cracks or holes. The container must be able to allow for the release of carbon dioxide as it sublimates during transport.
2. Cardboard shipping box (outer package) of adequate strength for its capacity, mass, and intended use. The package must be free of any tears, holes, crushed corners, or stains. It also must be capable of passing the 1.2 meter drop test referenced in the International Air Transportation Association (IATA) package instruction for Biological Substances Category B specimens.
3. Leak proof plastic specimen transport bag with absorbent material. The absorbent material must be capable of absorbing at least twice the volume of the total volume of liquid being shipped.
4. Test requisition form (TRF)
5. Dry ice — minimum recommended amount is 5 pounds per shipping container, if not more
6. Class 9 Miscellaneous Dangerous Goods label
7. UN 1845, Dry Ice marking
8. Biological Substance, Category B label
9. UN3373, Biological Substances, Category B marking
10. LabCorp PRIORITY ADAMTS13 label (recommended) — available from your LabCorp hospital account executive
 - PRIORITY ADAMTS13 catalog # 549873G (PeopleSoft # 117761)
11. Sealing tape
12. Completed FedEx Express air bills showing both shipper's and consignee's full addresses, as well as "UN 3373, Biological Substances, Category B", and "UN 1845, Dry Ice" (and the weight of dry ice being shipped, in kilograms), and the number of packages for overnight courier shipment

Instructions for Priority ADAMTS13 Activity (*see reverse for specimen requirements*)

1. Copy TRF with account, patient, billing information, and ADAMTS13 test number for subsequent laboratory alert.
2. Place original TRF in a sealed specimen bag with specimen and package appropriately for FedEx First Overnight shipment.
 - a. Shipping address: LabCorp
Attn: Reference Specimen Control
1447 York Court
Burlington, NC 27215

3. It is recommended to attach the LabCorp PRIORITY ADAMTS13 label to the outer shipper.
4. Call LabCorp's clinical contact center at 800-762-4344 to provide the following information:
 - a. Required: Account number, contact name and phone number, patient name or patient ID, control number or requisition number, and air bill number and date shipped.
 - b. Optional: Contact name and phone number result needs to be called to.
5. Notify FedEx overnight courier of pick-up or deliver it to the shipper.

Specimen requirements for ADAMTS13 Activity

ADAMTS13 Activity

Test: 117913 **CPT:** 85397

Specimen Requirements

Specimen Plasma, **frozen**

Volume 0.5 mL

Minimum Volume 0.3 mL (**Note:** This volume does **not** allow for repeat testing.)

Container Blue-top (sodium citrate) tube

Collection Blood should be collected in a blue-top tube containing 3.2% buffered sodium citrate.¹ Evacuated collection tubes must be filled to completion to ensure a proper blood-to-anticoagulant ratio.^{2,3} The sample should be mixed immediately by gentle inversion at least six times to ensure adequate mixing of the anticoagulant with the blood. A discard tube is not required prior to collection of coagulation samples.^{4,5} When noncitrate tubes are collected for other tests, collect sterile and nonadditive (red-top) tubes prior to citrate (blue-top) tubes. Any tube containing an alternate anticoagulant should be collected after the blue-top tube. Serum gel-barrier tubes and serum tubes with clot initiators should also be collected after the citrate tubes. Centrifuge and carefully remove the plasma using a plastic transfer pipette, being careful not to disturb the cells. Transfer the plasma into a LabCorp PP transpak frozen purple tube with screw cap (LabCorp No. 49482). The specimen should be frozen immediately and maintained frozen until tested. To avoid delays in turnaround time when requesting multiple tests on frozen samples, please submit separate frozen specimens for each test requested.

Storage Instructions Freeze.

Causes for Rejection Severe hemolysis; improper labeling; clotted specimen; specimen diluted with IV fluids; samples thawed in transit; improper sample type; sample out of stability

Footnotes

1. Adcock DM, Kressin DC, Marlar RA. Effect of 3.2% vs 3.8% sodium citrate concentration on routine coagulation testing. *Am J Clin Pathol.* 1997 Jan; 107(1):105-110. PubMed 8980376.
2. Reneke J, Etzell J, Leslie S, Ng VL, Gottfried EL. Prolonged prothrombin time and activated partial thromboplastin time due to underfilled specimen tubes with 109 mmol/L (3.2%) citrate anticoagulant. *Am J Clin Pathol.* 1998 Jun; 109(6):754-757. PubMed 9620035.
3. National Committee for Clinical Laboratory Standardization. Collection, Transport, and Processing of Blood Specimens for Coagulation Testing and General Performance of Coagulation Assays; Approved Guideline. 5th ed. Villanova, Pa: NCCLS; 2008. Document H21-A5:28(5).
4. Gottfried EL, Adachi MM. Prothrombin time and activated partial thromboplastin time can be performed on the first tube. *Am J Clin Pathol.* 1997 Jun; 107(6):681-683. PubMed 9169665.
5. McGlasson DL, More L, Best HA, Norris WL, Doe RH, Ray H. Drawing specimens for coagulation testing: Is a second tube necessary? *Clin Lab Sci.* 1999 May-Jun; 12(3):137-139. PubMed 10539100.

For the most current information regarding test options, including specimen requirements and CPT codes, please consult the online test menu at www.LabCorp.com.



www.LabCorp.com

TPK # 549873G