Sample Collection for Lung Injury Associated with E-Cigarette Product Use, or Vaping



See DLS website for links to latest CDC Collection Guidance

Supplies Needed for Collection and Packaging







Multishipper with Cold Pack

KY Division of Laboratory Services 100 Sower Brd. State 334 Foreitot, Kentacky 40561 Phone: (S02)664-4466 Fax: (S02)664-7619 PATENT SECURBATION:			Kentucky Public Health					
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Lab Form or EPID 200

Collection of Specimen

Blood Samples

- 1. Collect up to 8 mL of blood in two(2) 4 mL purple /lavender top K2 EDTA tubes. If only 3 mL tubes are available three (3) 3 mL tubes may be collected. (Note: DO NOT use gel separators.)
- 2. Mix contents of tubes by inverting them 8-10 times.
- 3. Label tube in order of collection. Example 1, 2, 3
- 4. Store blood samples at 1°C to 10°C. DO NOT FREEZE.

Urine Samples

- 1. Collect 40-60 mL of urine.
- 2. Indicate on the cup how the sample was collected if the method was other than "clean catch" (example: catheterization)
- 3. Freeze samples at -20°C.

Bronchoalveolar lavage fluid (BAL fluid)

Collect samples in sterile containers. BAL fluids should undergo culture and routine centrifugation followed by cellular analysis and cytopathology, including lipid and other staining, as clinically indicated at the local institution.

- 1. Up to 10 unstained cytology slides should be briefly fixed in formalin and retained for future evaluation.
- 2. Excess cell pellet after cytopathologic evaluation can be divided in half, with half being fixed in formalin and stored at room temperature for further cytopathologic evaluation and half frozen at -20°C or lower for future chemical or lipid analysis.
- 3. Place all remaining BAL fluid in sterile vials with external caps and internal o-ring seal. If there is no O-ring seal, secure cap with parafilm. Label each sample container with the patient's name, ID number, the sample type, subsection of lung lavaged, and the date the sample was collected. FREEZE these samples at -20°C.
- 4. Any formalin-fixed samples (BAL pellet, cytology slides) should be stored and shipped at room temperature.

Packaging and Shipping Send FedEx Priority Overnight Refer to 49CFR 173.199 for current regulations on packaging and shipping of Category B infectious substances **Ambient** Cold Pack 1. Place sample tubes into tube shuttle. 1. Urine cup - Place in 95kPa bag and seal. 2. Place tube shuttle into 95kPa bag and seal. 2. Tubes - Place in tube shuttle to shield from freezing. 3. Place air pillows inside box and place lab form on top. 3. Place tube shuttle into 95kPa bag and seal. 4. Close box and place label on top of box. 4. Place specimen bag on top of frozen cold pack. 5. Replace styrofoam lid. Instructions for closure are on the flap of box. 6. Close box and place label on top of box.

Vaping Products

DLS is accepting products with direct-association to case-illnesses. This may include the device (no lithium batteries), liquid, refill pods, and cartridges. These may be shipped in packaging of your choice. These do not fall under DOT hazardous materials.

Ship all samples to:

KY Division of Laboratory Services ATTN: Rachel Zinner or Leigh Ann Bates 100 Sower Blvd. Ste 204 Frankfort. KY 40601