

Refer to the VCH Intranet (<http://ipac.vch.ca/Pages/Emerging-Issues.aspx>) to ensure you are using the most updated protocol.

Suspect Ebola Virus Disease (EVD)/other Viral Hemorrhagic Fever Specimen (VHF) Processing

Evacuation and Spill Cleanup Procedure
For spills outside the BSC

Based on BC Provincial Health Recommendations for Ebola Virus Disease Laboratory Processes, January 21, 2015

A. Evacuation

Legend:

- Accel INTERvention wipes = 'disinfectant wipes'; Accel 5 TB = 'disinfectant' (liquid)
- Accel INTERvention Wipes require a **one minute contact time**;
Accel 5 TB disinfectant requires a **5 minute contact time**
- AFB Room = Acid-Fast Bacillus Room = designated room for EVD/VHF Lab processes
- Blue biohazardous waste bin = 'blue bin'

√	Step
1.	<p>In the event of a spill in AFB room, immediately evacuate room to allow aerosols to settle for a minimum of 30 minutes:</p> <ul style="list-style-type: none"> • Immediately notify everyone in the immediate area that a spill has occurred and tell them to evacuate the room/area. • Open door to AFB room using a disinfectant wipe to wipe door opening mechanism. Close the door behind you using a disinfectant wipe to wipe around door handle mechanism while closing. • Notify the medical microbiologist of spill.
2.	<p>Locate absorbent doffing pads just outside AFB room and place two on the floor immediately outside the AFB room. (Ensure the door is closed behind you and that no one enters the room.)</p>

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3.	<p>Soak the pads with disinfectant. This area will be used as doffing area. CAUTION: PADS BECOME SLIPPERY WHEN WET!</p> <ul style="list-style-type: none"> • Step directly onto the soaked doffing pads. • Follow the instructions in the following section, Section B. Doffing of PPE after a spill using checklist: <i>Donning and Doffing Viral Hemorrhagic Fever (VHF) Specimen Processing PPE Check List for VGH Laboratory Technologists.</i> *Copies of checklist are inside the doffing kits located to the left of the door as you exit the AFB Room.
4.	<p>Secure AFB room using barrier/masking tape to prevent anyone from entering.</p>

B. Doffing of PPE after a spill:

- Doffing after a spill will occur immediately outside the AFB room while standing on absorbent disinfectant soaked doffing pads.
- Doffing instructions/checklists are located inside the ‘doffing kit’ on the left of the door outside the AFB room.
- Red biohazard pails for PPE disposal are located outside the AFB room

1.	<p>Remain standing on doffing pad for doffing process.</p>
2.	<p>Proceed with doffing slowly and carefully working with the instruction and assistance of the technologist buddy system. Remain calm and follow the doffing protocol, one technologist doffing at a time while the other instructs, records and assists the process.</p>
3.	<p>Place all PPE in double lined red biohazard pails provided in the doffing area. Do not compress contents.</p>
4.	<p>If scrubs under PPE are contaminated, disposable scrubs are provided in the spill kit. The technologist will change into new disposable scrubs in the doffing area outside AFB room, and proceed to the shower, Room 1121; shower and change into new clean disposable scrubs. Discard the disposable scrubs worn prior to shower into regular garbage in shower room.</p>
5.	<p>Return to area outside AFB room. Put on new gloves and fluid impervious disposable gown.</p>
6.	<p>Roll up and place doffing mats into red biohazard pails.</p>

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7.	Clean and disinfect gloves with disinfectant wipes or Alcohol based hand rub, allow one minute drying time.
8.	Tie off bags lining the red biohazard pails, one inside the other with twist ties.
9.	Hammer the lids on to the red biohazard pails using the mallet provided.
10.	Red pails are to be discarded into blue biohazardous waste bin upon re-entry to AFB room for clean-up.
11.	Report spill to Microbiologist-on-call, Medical Health Officer and Work Place Health Call Center at 1-866-922-9464.
12.	Document the spill details.
13.	Ensure that everyone that was in the vicinity of the spill is recorded on the Infection Prevention Sheet. (Stored in the TDG packaging area.)

C. Spill Clean-up Procedure:

- Set a timer to ensure AFB room has been evacuated for a **minimum of 30 minutes** before proceeding with the clean-up.
- Upon completion of room clean-up, discuss with Medical Microbiologist if work is to resume or if preparations are to begin for the removal of the blue biohazardous waste bin as is described in the Waste Removal Forms.
- **Accel INTERvention wipes = 'disinfectant wipes'; Accel 5 TB = 'disinfectant'**
- **Accel INTERvention Wipes require a one minute contact time;**
Accel 5 TB disinfectant requires a 5 minute contact time
- **Blue biohazardous waste bin = 'blue bin'**

√	Step
1.	After minimum 30 minutes has passed, don full PPE following the donning/doffing checklist: <i>Donning and Doffing Viral Hemorrhagic Fever (VHF) Specimen Processing PPE Checklist for VGH Laboratory Technologists</i> in Doffing area outside AFB Room. <ul style="list-style-type: none"> • Don PPE carefully and in the presence of technologist buddy or Trained Observer to read through checklist, record and assist as required.
2.	Wipe AFB door handle with disinfectant wipe. Take the sealed red biohazard pails containing the doffed PPE from the spill, and upon re-entering the AFB room, discard the red pails inside the blue bin.

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3.	<p>Locate spill kit supplies and absorbent towels/paper towels to the right of the door when re-entering the AFB room.</p> <ul style="list-style-type: none"> Carefully place towels over the spill area starting from the outer perimeter of spill and working your way to the centre of spill; avoiding splashes and taking care not to contaminate PPE.
4.	<p>Starting from the outer edges of the spill, gently but generously soak the absorbent towels with Accel 5 TB disinfectant. Cover the entire area. Do not spray disinfectant onto the spill.</p> <ul style="list-style-type: none"> make note of the time the disinfectant was applied and allow to remain wet for minimum of 10 minutes. Area must remain wet for entire 10 minutes.
5.	<p>Carefully lift and discard the absorbent towels applied over the spill area using tongs and place into the double lined blue bin.</p>
6.	<p>Clean and disinfect outer gloves using disinfectant wipes and allow to dry for one minute.</p>
7.	<p>Using new disinfecting wipes, wipe the surface where the spill occurred moving in one direction using a side-to-side motion. Repeat a minimum of three more times, changing designated disinfectant wipes along the way.</p>
8.	<p>Discard all wipes into blue bin.</p>
9.	<p>Disinfect outer gloves using disinfecting wipes, allow one minute drying time.</p>
10.	<p>Proceed as instructed by the Medical Microbiologist according to the patient's status:</p> <ul style="list-style-type: none"> either resume processing or commence preparation of blue bin for disposal followed by doffing: use the doffing protocol as well as instructions in the Waste Release Forms.

