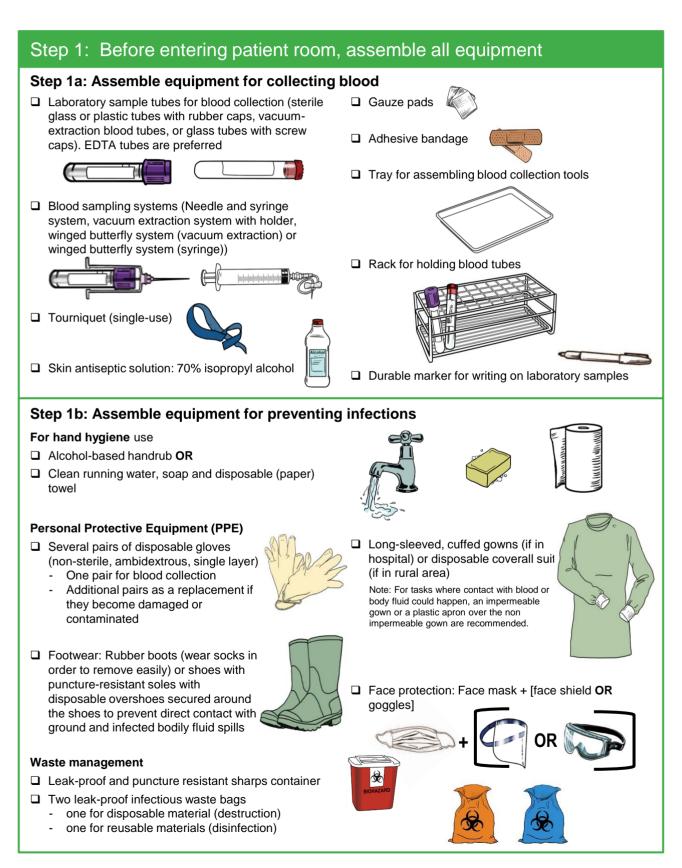
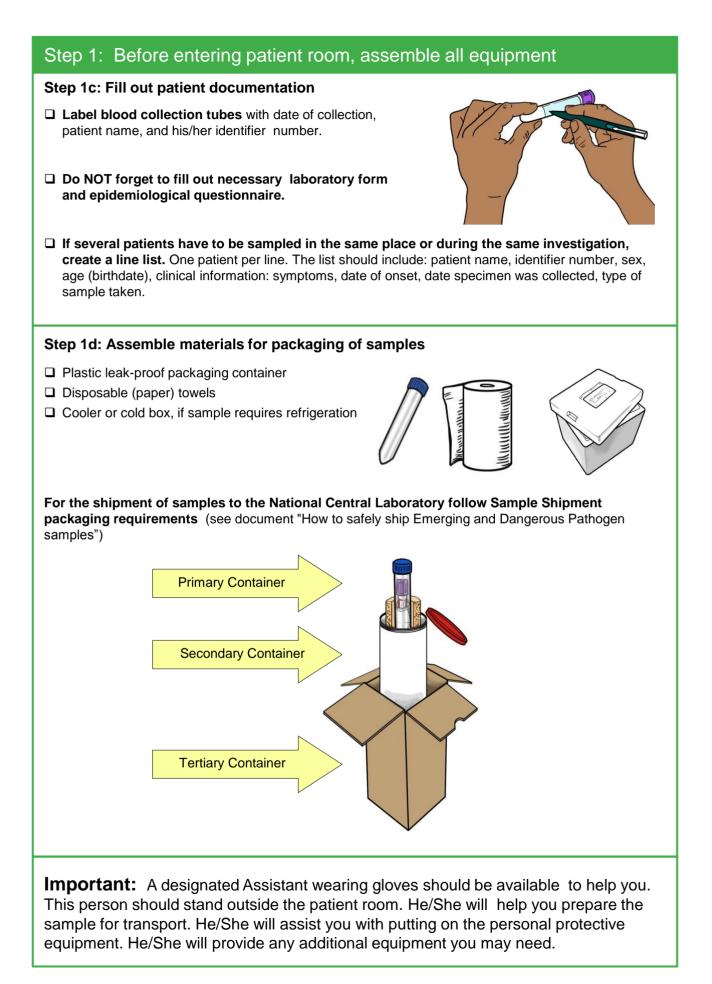
### How to safely collect blood samples by phlebotomy from patients suspected to be infected with Lassa

### Interim Guidance February 2018







### Step 2: Put on all personal protective equipment (PPE)

#### DO NOT ENTER THE PATIENT AREA IF YOU DO NOT HAVE ALL PROTECTIVE GEAR ON

Step 2a: Perform hand hygiene. Duration of the entire procedure: 40-60 sec if handwashing with soap and water; **20-30 sec** if handrubbing with an alcohol-based solution.

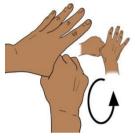


Wet hands with water and enough soap to cover all hand surfaces

Back of fingers to

fingers interlocked





Rotational rubbing of opposing palms with left thumb clasped in right palm and vice versa



Right palm over left dorsum with interlaced fingers and vice versa



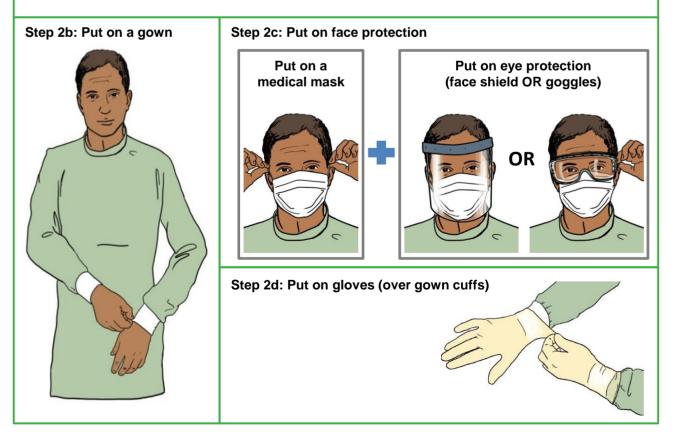
**Rinse hands with** water



Palm to palm with fingers interlaced



Dry hands thoroughly with single use towel



### Step 3: Collect blood sample from patient

#### Step 3a: Prepare room

- ✓ Put infectious waste bags and leak-proof and puncture resistant sharps container into patient room and make sure they are ready for use
- Place all blood collection equipment in a place that is easy to access



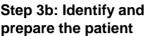
# Step 3d: Apply a tourniquet around the arm

✓ Tie approximately 4–5 finger widths above the selected site



#### Step 3g: When using vacuum extraction system with holder, insert the blood collector tube into the holder

✓ Avoid pushing the collector tube past the recessed line on the needle holder or you may release the vacuum



- Introduce yourself to the patient and explain what you will do with the blood sample and why
- ✓ Make sure that this is the correct patient from whom you wish to take the blood sample



Step 3e: Ask the patient to form a fist so that the veins are more prominent



**Step 3h: Anchor the vein** by holding the patient's arm and placing a thumb BELOW the place where you want to place the needle

- ✓ DO NOT touch the disinfected site
- ✓ DO NOT place a finger over the vein to guide the needle



#### Step 3c: Select the site, preferably at the bend of the elbow

- Palpate the area; locate a vein of good size that is visible, straight and clear
- ✓ The vein should be visible without applying a tourniquet



# Step 3f: Disinfect the area where you will put the needle.

- Use 70% isopropyl alcohol
- ✓ Wait 30 seconds for the alcohol to dry
- ✓ DO NOT touch the site once disinfected



# Step 3i: Perform the blood draw

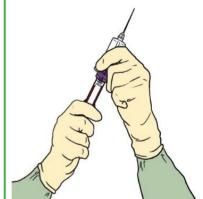
 Enter the vein swiftly at a 30° angle



### Step 3: Collect blood sample from patient

Step 3j: When blood starts to flow, ask patient to open his/her hand

# Step 3m: Remove blood collector tube from holder and put in rack



Step 3o: Stop the bleeding and clean the skin

- ✓ Do not leave patient until bleeding has stopped
- ✓ Put an adhesive bandage on the site, if necessary



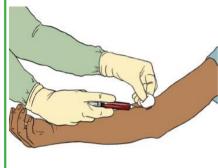
Step 3k: Once sufficient blood has been collected (minimum 5ml), release the tourniquet BEFORE withdrawing the needle





# Step 3I: Withdraw the needle gently

- ✓ Give the patient a clean gauze or dry cotton wool ball to press gently on the site
- ✓ Ask the patient NOT to bend the arm



# Step 3n: Put needle into leak-proof and puncture resistant sharps container

### If the sharps container DOES NOT HAVE a needle remover:

- Put the needle and holder into a sharps container
- ✓ Do not remove the needle from the holder
- ✓ Do not reuse the needle

## If the sharps container DOES HAVE a needle remover:

- ✓ Remove the needle following instructions on the sharps container
- Put the holder into the infectious waste bag for disinfection

Step 3p: Put items that drip blood or have body fluids on them into the infectious waste bag for destruction



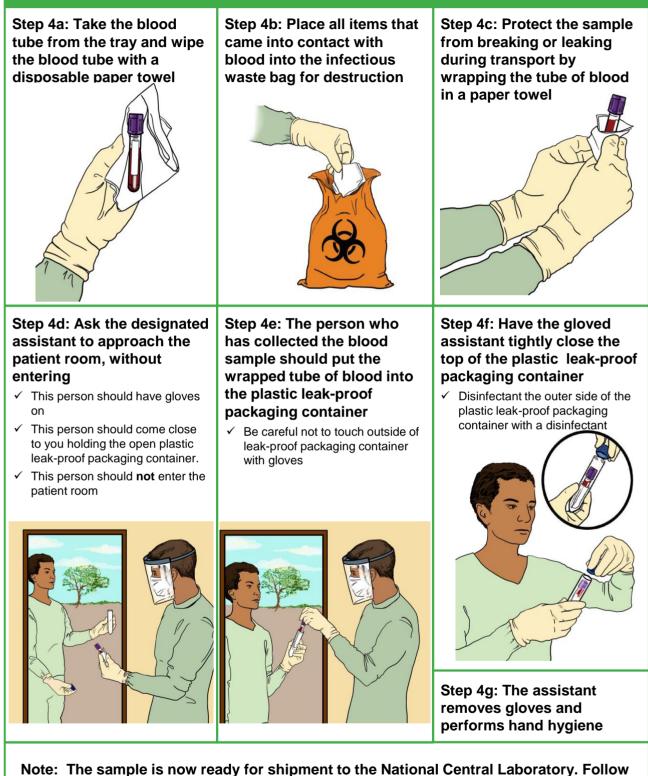
#### Quick Tips

✓ The blood holder tray and rack will need to be disinfected after use

BIOHAZARD

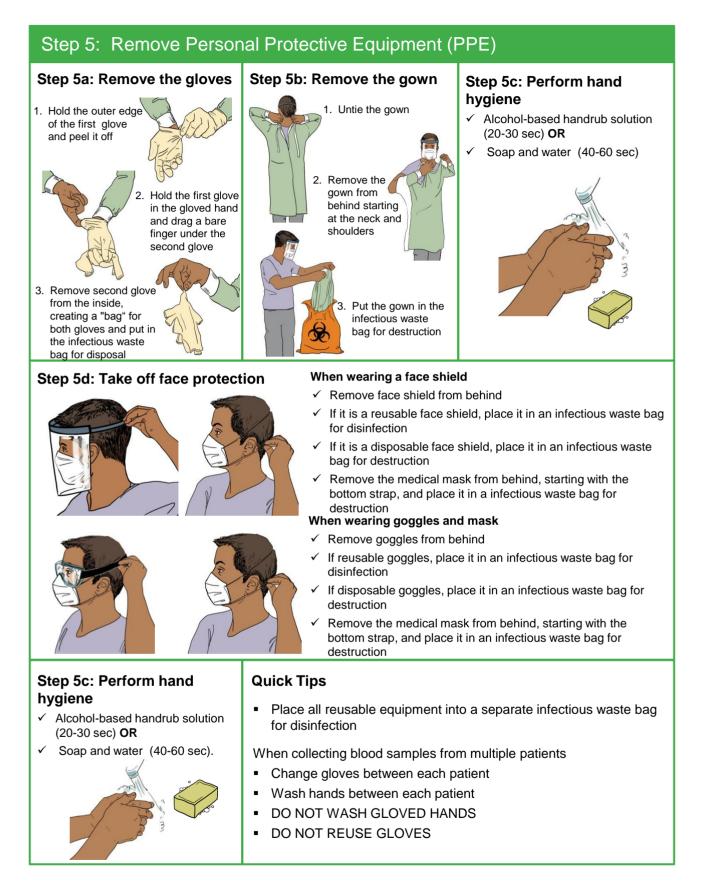
✓ A minimum of 5ml of blood should be collected for each patient

#### Step 4: Prepare blood sample for transport



Sample Shipment packaging requirements for infectious substances.

- □ Store samples at room temperature for up to 24 hours. If you need to store the sample for one week before shipping, store between 0-5° Celsius.
- □ If you need to store the sample for more than one week before shipping, store at -20 ° Celsius (or better at -70 ° Celsius if available). Avoid freeze-thaw cycles.



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