

## INITIAL SET OF LABORATORY TESTS in a patient with suspected viral haemorrhagic fever - EDMONTON ZONE ONLY

**NO SAMPLE COLLECTION SHOULD OCCUR UNTIL APPROVED BY THE MEDICAL OFFICER OF HEALTH (MOH)**

	Tests available <sup>a</sup>	Container and Required Volume(s) <sup>b,c</sup>
<b>EVD testing</b>	Ebola virus serology (NML)	1 serum separator tube (SST) ( <b>GOLD</b> top) tube (3 ml)
	Ebola virus RT PCR* (ProvLab/NML)	2 EDTA ( <b>PURPLE</b> top) tubes each with 3-4 ml
<b>Malaria</b>	Malaria rapid detection (ProvLab UAH) Malaria PCR (ProvLab UAH)	1 EDTA ( <b>PURPLE</b> top) tube with 3-5 ml
<b>Hematology</b>	CBC with differential (ProvLab UAH): Haemoglobin, Hematocrit, platelets, red blood cell count and white blood cell count with 3 part differential (neutrophils, lymphocytes and other)	2 EDTA ( <b>PURPLE</b> top) 4 ml tube <ul style="list-style-type: none"> <li>Required <u>each</u> time testing is needed.</li> </ul>
<b>Chemistry</b>	General Chemistry (ProvLab UAH): Creatinine and urea, electrolytes (Na <sup>+</sup> , K <sup>+</sup> , Cl, HCO <sub>3</sub> <sup>-</sup> ), ionized Calcium, glucose, blood gases, lactate, calcium, liver enzymes (ALT, ALP, AST, GGT), total bilirubin, amylase, total protein Serum Beta-HCG, Troponin I	2 Lithium Heparin ( <b>GREEN</b> top) fill to capacity <ul style="list-style-type: none"> <li>Required <u>each</u> time testing is needed.</li> </ul>
<b>Blood cultures</b>	Adult and pediatric blood cultures (ProvLab UAH)	<b>Adult Blood cultures (Bactec ):</b> 2 sets (Minimum 3 bottles: 2 aerobic and one anaerobic bottle), each with 10 ml  <b>Pediatric Blood cultures (Bactec ):</b> ≥ 14 years old: 1 pediatric and 1 anaerobic bottle < 14 years old: 1 pediatric bottle

<sup>a</sup> All testing done at ProvLab UAH or sent from ProvLab to the National Microbiology Laboratory.

<sup>b</sup> Ebola RT PCR testing performed within 3 days of fever onset may not have detectable Ebola virus. Repeat Ebola PCR testing on a new blood specimen ≥3 days after onset of fever to confirm negative results.

<sup>c</sup> This is the ONLY testing available for a suspect/confirmed Ebola patient. No other testing is available.

### Questions/concerns for lab testing/results for VHF patients:

- Virologist-on-call at the Provincial Laboratory: page via 780-407-8200