

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

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

	Tests available(testing site§)	Container and Required Volume(s) ^{†,**}
EVD testing	Ebola virus serology (NML)	1 serum separator tube (SST) (GOLD top) tube (3 ml)
	Ebola virus RT PCR* (ProvLab/NML)	2 EDTA (PURPLE top) tubes each with 3-4 ml
Malaria	Malaria rapid detection (SHC/ACH) Malaria PCR (DSC)	1 EDTA (PURPLE top) tube with 3-5 ml
Hematology	CBC with differential (SHC/ACH): Haemoglobin, Hematocrit, platelets, red blood cell count and white blood cell count with 3 part differential (neutrophils, lymphocytes and other)	2 EDTA (PURPLE top) 4 ml tube <ul style="list-style-type: none"> Required <u>each</u> time testing is needed.
Chemistry	General Chemistry (SHC/ACH): Creatinine and urea, electrolytes (Na+, K+, Cl, HCO ₃ -), 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 (GREEN top) fill to capacity or 2 dry lithium heparin syringes <ul style="list-style-type: none"> Required <u>each</u> time testing is needed.
Blood cultures	Adult and pediatric blood cultures (DSC)	Adult Blood cultures (BacT/ALERT ®): 2 sets (Minimum 3 bottles: 2 aerobic and one anaerobic bottle), each with 10 ml Pediatric Blood cultures (BacT/ALERT ®): ≥ 14 years old: 1 pediatric (yellow) and 1 anaerobic (orange) bottle ; each with 10 ml < 14 years old: 1 pediatric (yellow bottle)

§Testing Sites: DSC – Diagnostic/Scientific Centre (former CLS); ProvLab – Public Health Laboratory; SHC -South Health Campus; ACH – Alberta Children’s Hospital

†DSC will provide an Ebola collection kit with collection instructions, all required tubes, bags and requisitions

* 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.

**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: (403) 944 1200**
- **Microbiologist-On-Call at DSC (former CLS): (403) 770 3600**