



## Guidance for the Laboratory Testing for Bundibugyo virus disease

### Step 1: Complete the case investigation form

- The CIF is available on [www.nicd.ac.za](http://www.nicd.ac.za) under the Disease Index (letter B of Bundibugyo virus disease);
- Complete the CIF electronically and print, or print and complete in handwriting;
- Ensure that completed case investigation form accompanies the specimens.

### Step 2: Submit specimens for specialized laboratory testing at the NICD

- Ensure case is notified through Notifiable Medical Conditions platform (as Category 1, VHF);
- Contact the NICD hotline for clinical advice (0800 212 552) (healthcare workers only!);
- The following specimens can be submitted for testing:

Specimen Type	Test	Interpretation
Serum or plasma	IgM ELISA/IFA	Positive: Recent infection. Negative: Repeat if early.
	IgG ELISA/IFA	Seroconversion: Recent infection. Single positive: Past exposure.
Serum, plasma, whole blood (EDTA)	RT-PCR	Positive: Active infection. Negative: Does not exclude.
Tissue (liver, spleen), or buccal swab	RT-PCR	For post-mortem testing only Positive: Active infection. Negative: Does not exclude.

- The specimens for diagnostic investigation should be packaged in accordance with the guidelines for the transport of dangerous biological goods in accordance with UN2814 Biological substances /Category A shipping instructions (IATA packaging instruction 620, PI620) directly and urgently to:  
**Centre for Emerging Zoonotic and Parasitic Diseases  
Special Viral Pathogens Laboratory  
National Institute for Communicable Diseases (NICD), National Health Laboratory Service (NHLS)  
No. 1 Modderfontein Rd Sandringham, 2131**
- Specimens should be kept cold during transport (cold packs are sufficient, no dry ice required for shipments to be received within 24 hours), expedite shipping.
- Laboratory contact details:
  - Dr Jacqueline Weyer: [jacquelinew@nicd.ac.za](mailto:jacquelinew@nicd.ac.za) / 011 386 6376
  - Dr Naazneen Moolla: [naazneenm@nicd.ac.za](mailto:naazneenm@nicd.ac.za) / 011 386 6338Copy all requests to [cezd@nicd.ac.za](mailto:cezd@nicd.ac.za)