

Monkey Pox related information

1. Types of samples to be collected from Foreign Nationals suspected for Monkey Pox or travelling from area where outbreak of money pox is currently reported:

a) Asymptomatic without lesions:

- EDTA blood in Purple top vacutainer tube (2ml)
- Serum collected in Yellow top vacutainer Tube [SSGT] (2ml after separation of serum)
- Oro-pharyngeal and Nasopharyngeal swabs in Viral Transport Medium
- Urine samples in sterile urine collection bulbs/bottles (3-5ml)

b) Symptomatic with lesions:

- Lesion fluid in plain tube (Pustular, vesicular) collected through intradermal syringe (1ml)
- Scrapings from the base of lesions by sterile swab collected in plain tube (not in VTM)
- EDTA blood in Purple top vacutainer tube (2ml)
- Serum collected in Yellow top vacutainer Tube [SSGT] (2ml after separation of serum)
- Oro-pharyngeal and Nasopharyngeal swabs in Viral Transport Medium
- Urine samples in sterile urine collection bulbs/bottles (3-5ml)

c) For sample collection Personal Protective Equipment to be used:

- Coveralls/Tyvek suit/Disposable Aprons
- N-95 mask
- Face shield/Safety Goggles
- Double Gloves
- Head cap and Shoe Cover/booties

2. Diagnostic modalities available with ICMR-NIV Pune

- a) Polymerase Chain Reaction (PCR) for detection of monkey-pox DNA
- b) PCR for other *Orthopoxvirus* [Small Pox (Variola), Vaccinia, Cow-pox, Buffalo-pox, Camel-pox] as well as for Human alpha herpesvirus 3/ Varicella Zooster Virus (Chicken-pox) :
- c) Next Generation Sequencing platform (Miniseq and Nextseq)