

Table S2: Alignment to WHO TPPs and heat map:

NiV	Target Use Setting						
	Facility-based testing and recommended diagnostic technology						Non-facility-based testing
Intended Use of Test	4. National Reference Lab	3. Regional /Provincial Lab	2. District Hospitals			1. Health Centres	0. Health Posts, Field Settings
	NAT, PRNT, ELISA	NAT, ELISA	POC NAT	ELISA	RDT	RDT	RDT
Non-outbreak setting							
Support syndromic surveillance systems (by adding specificity through diagnostic testing)	PCR, sequencing, ELISA LDTs	PCR, ELISA LDTs	Not cost effective	ELISA LDTs, LDT panel			
Clinical setting - detection of pathogen in syndromic case management (syndromic diagnostics)	LDT PCR panel	LDT PCR panel	Does not exist	ELISA LDT panel			
Confirmation of pathogen	PCR, virus isolation	PCR	Does not exist	IgM, Ag ELISA LDTs			
Outbreak setting							
Diagnosis/confirmation of pathogen	PCR, virus isolation	PCR, ELISA IgM LDT	Does not exist	ELISA IgM LDT			
Legend:							
Platforms/tests available							
Lab and field trials ongoing or completed							
Late-stage development							
Needed/useful – or needs improvement							
Not needed/useful							

*Some NAAT tests may be region/strain specific; may require sequencing to maintain probe viability and pan-NiV or pan-henipavirus detection

°NAAT + ELISA recommended for NAAT (PCR) tests that may not detect generic strains or variants