Table S2: Summary of Technology Assessments for MARV

Commercial and regulated assays for MARV are presented, as well as laboratory designed tests. Legacy in-house assays without formal regulation or clinical validation are not presented here, as they have limited or dated information for sensitivity/specificity/LOD.

Developer	System	Regulatory status	Sample type	Target	LOD	Sensitivity/PPA	Specificity/NPA	Specimens tested	Reference Assay	Capability to multiplex
Molecular Diagnostics										
Alere (now Abbott)	Alere q Filovirus Detect (w/ Alere q platform)	in dev	Venous or fingerstick blood	RNA	no info	no info	no info	no info	no info	yes
Altona Diagnostics GmbH (Ger)	RealStar Filovirus RT-PCR kit	WHO EUAL	Plasma	RNA	1.1 copies/uL for MARV Popp and 4.2 copies/uL for MARV Musoke	no info	no info	no info	no info	yes
Biomerieux	Film Array BioThreat kit (16 pathogen multiplex)	RUO	Venous, urine	RNA, 2 Targets	no info	no info	no info	no info	no info	yes
Genekam	Ebola/Marburg test	RUO	-	RNA	no info	no info	no info	no info	no info	yes
Liferiver (Shanghai ZJ Bio-Tech Co.)	Marburg Virus (MBV) Real Time RT-PCR Kit	CE	Plasma, serum, whole blood	RNA	no info	no info	no info	no info	no info	yes
GenArraytion Inc. for Luminex xMAP or TaqMan	BioThreat MULTIFLEX™, Febrile Associated Pathogens MULTIFLEX® 2	RUO	RNA	RNA	no info	no info	no info	no info	no info	yes
LDTs										
Center for Disease Control	TaqMan Array Card (TAC)	N/A	Whole blood	no info	no info	88%	99%	1050	no info	N/A
NRI Japan and PHAC	Bench-top RT-LAMP	N/A	no info	no info	100 copies/tube	78%	100%	24	no info	N/A
Public Health Agency Canada	Benchtop ELISA	N/A	no info	no info	~10 pfu/well	no info	no info	no info	no info	yes