



DATA SHEET

REAGENT	Marburg virus glycoprotein pseudotyped rVSV
REAGENT ID	101131
LOT NUMBER	04102024
DESCRIPTION	To produce the pseudotyped virus, HEK293T/17 cells were first transfected with a plasmid expressing the envelope glycoprotein (GP) from the Musoke strain of Marburg virus (MARV), then infected with a recombinant Vesicular Stomatitis Virus (rVSV) whose GP was removed and replaced by a luciferase gene. The MARV GP pseudotyped rVSV can be used to test neutralisation by antibodies or entry inhibitors.
ENVELOPE PROTEIN	Musoke strain glycoprotein. GenBank: CAA78117.1.
INFECTIOUS TITRE	1.16×10^6 TCID ₅₀ /mL
FORMULATION	The pseudotyped virus was produced from HEK293T/17 cells. It is supplied in cell culture medium containing DMEM, 10% Fetal Bovine Serum, 1% Penicillin-Streptomycin.
PROVIDED	500 μ L of culture supernatant.
APPLICATIONS	Neutralisation assay.
STORAGE	-80°C. Multiple freeze/thaw cycles not recommended.
ACKNOWLEDGMENTS	Acknowledgment for publications should read "Marburg virus glycoprotein pseudotyped rVSV was obtained from the Centre for Infectious Disease Reagents, MHRA, UK, funded by the Department of Health and Social Care using UK Aid funding."

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MATERIAL SAFETY SHEET

Physical properties (at room temperature)	
Physical appearance	Liquid
Fire hazard	None
Chemical properties	
Stable	Yes
Corrosive:	No
Hygroscopic	No
Oxidising:	No
Flammable	No
Irritant:	No
Other: Replication-incompetent Vesicular Stomatitis Virus It is the responsibility of the end user to seek local biosafety approval for the storage and handling of the material in their workplace	
Handling: CAUTION - This preparation is not for administration to humans or animals in the human food chain. As with all materials of biological origin, this preparation should be regarded as potentially hazardous to health. It should be used and discarded according to your own laboratory's safety procedures. Such safety procedures should include using the sample in the correct containment facility, the wearing of protective gloves and avoiding the generation of aerosols.	
Toxicological properties	
Effects of inhalation:	Avoid inhalation
Effects of ingestion:	Avoid ingestion
Effects of skin absorption:	Avoid contact with skin
Suggested First Aid	
Inhalation	Seek medical advice
Ingestion	Seek medical advice
Contact with eyes	Wash with copious amounts of water. Seek medical advice.
Contact with skin	Wash thoroughly with soap and water.
Action on Spillage and Method of Disposal	
Spillage of contents should be taken up with absorbent material wetted with an appropriate virucidal agent. Rinse area with an appropriate virucidal agent followed by water.	
Absorbent materials used to treat spillage should be treated as biologically hazardous waste.	