

Virus Name: Omo		Abbreviation: OMOV
Status Possible Arbovirus	Select Agent No	SALS Level
SALS Basis		
Other Information		
Antigenic Group Qalyub		

SECTION I - Full Virus Name and Prototype Number

Prototype Strain Number / Designation	Accession Number	Original Date Submitted 9/12/1985
Family Not listed	Genus Nairovirus	
Information From F. Rodhain	Address Insitut Pasteur, Paris, France	
Information Footnote		

Section II - Original Source

Isolated By (name) D. Metselaar	Isolated at Institute Medical Research Centre, Nairobi	
Host Genus Mastomys erythroleucus	Species	Host Age/Stage Adult
Sex Not Answered		
<u>Isolated From</u>	<u>Isolation Details</u>	
Organs/Tissues	Kidney, spleen	
Signs and Symptoms of Illness	Arthropod	
Time Held Alive before Inoculation		
Collection Method Baited trap	Collection Date 1/8/1971	
Place Collected (Minimum of City, State, Country) Shangura, Omo Valley, Gamo-Gofa Prov., Ethiopia		
Latitude 5° 5' N	Longitude 36° 5' E	
Macrohabitat Village	Microhabitat Outdoors	Method of Storage until Inoculated Liquid nitrogen
Footnotes		

Morphogenesis

Site of Constituent Formation in Cell

Site of Virion Assembly

Site of Virion Accumulation

Inclusion Bodies

Other

Hemagglutination

Hemagglutination

No

Antigen Source

SMB ext. by sucrose-acetone

Erythrocytes (species used)

Goose

pH Range

6.0-7.0

pH Optimum

Temperature Range

Temperature Optimum

Remarks

Serologic Methods Recommended

CF

Footnotes

Section V - Antigenic Relationship and Lack of Relationship to Other Viruses

Results of CF tests with viruses of the Qalyub group:

Antigen	Ascitic fluids		
	OMO	QYB	BDA
OMO	512/>512 *	64/256	16/128
QYB	64/64	512/128	32/64
BDA	32/128	64/128	>256/256

* Ascitic fluid titer. antigen titer

Section VI - Biologic Characteristics

Virus Source (all VERTEBRATE isolates)
Pool of spleen and kidney (LV)

Lab Methods of Virus Recovery (ALL ISOLATIONS)
Newborn mice

Cell system (a)	Virus passage history (b)	Evidence of Infection						
		CPE			PLAQUES			Growth Without CPE +/- (g)
		Day (c)	Extent (d)	Titer TCD50/ml (e)	Day (c)	Size (f)	Titer PFU/ml (e)	

Section VII - Natural Host Range (Additional text can be added below table)

Vertebrate (species and organ) and arthropod	No. isolations/No. tested	No. with antibody/No. tested Test used	Country and region
Mastomys erythroleucus	1/16		Lower Omo Valley, Ethiopia (1)

Section XI - Human Disease

In Nature	Residual	Death
Subclinical	Overt Disease	
Clinical Manifestations		
Number of Cases	Category (i.e. febrile illness, etc.)	

Section XII - Geographic Distribution

Known (Virus detected) Sothorn Ethiopia
Suspected (Antibody only detected)

Section XIII - References

1. Rodhain, F., et.al. 1985. Ann. Inst. Pasteur. Virol. 136E: In press.

Remarks

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