

Virus Name: Andasibe		Abbreviation: ANDV
Status Possible Arbovirus	Select Agent No	SALS Level
SALS Basis		
Other Information		
Antigenic Group Ungrouped		

SECTION I - Full Virus Name and Prototype Number

Prototype Strain Number / Designation DakArMg 807	Accession Number	Original Date Submitted 12/19/1985
Family Unclassified	Genus Unclassified	
Information From C. Mathoit and P. Coulanges	Address Institut Pasteur de Madagascar, BP 1274 Tananarive	
Information Footnote		

Section II - Original Source

Isolated By (name) Y. Clerc	Isolated at Institute Tananarive, Madagascar	
Host Genus Anopheles pauliani and An squamosus	Species	Host Age/Stage Adults
Sex Not Answered		
<u>Isolated From</u>	<u>Isolation Details</u>	
Signs and Symptoms of Illness	Arthropod	
Time Held Alive before Inoculation 1 hour before freezing		
Collection Method From man, zebu, and by CDC light trap	Collection Date 2/1/1979	
Place Collected (Minimum of City, State, Country) Andasibe, Madagascar		
Latitude 18° 56' S	Longitude 48° 22' E	
Macrohabitat Primary forest area	Microhabitat	Method of Storage until Inoculated Liquid nitrogen in the field, then REVCO ar -70dC in laboratory
Footnotes		

Section III - Method of Isolation

Inoculation Date
8/29/1979

Animal (Details will be in Section 6)
nb mice

Route Inoculated
Intracerebral

Reisolation
Yes

Other Reasons

Homologous Antibody Formation by Source Animal

Test(s) Used

Footnotes

Section IV - Virus Properties

Physicochemical

Pieces (number of genome segments)	Infectivity	Sedimentation Coefficients(s) (S)
Percentage wt, of Virion Protein	Lipid	Carbohydrate
Virion Polypeptides: Number	Details	
Non-virion Polypeptides: Number	Details	
Virion Density	Sedimentation Coefficients(s) (S)	
Nucleocapsid Density	Sedimentation Coefficients(s) (S)	

Stability of Infectivity (effects)

pH (infective range)

Lipid Solvent (ether - % used to test)	After Treatment Titer	Control Titer
Lipid Solvent (chloroform)	After Treatment Titer 1.8 dex	Control Titer 4.2 dex
Lipid Solvent (deoxycholate)	After Treatment Titer	Control Titer
Other (formalin, radiation)		

Virion Morphology

Shape	Dimensions <220 nm	
Mean nm	Range nm	
Measurement Method Millipore filter: After filtration = 3.5 dex; cont	Surface Projections/Envelope	Nucleocapsid Dimensions, Symmetry

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 5.7 - 6.8	pH Optimum	
Temperature Range	Temperature Optimum	
Remarks		
Serologic Methods Recommended CF, NT		
Footnotes		

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

Institute Pasteur Dakar . J.P. Digoutte and G. Heme.

CF test-homologous titer = 256/8.

Immune ascitic fluid an/or newborn mouse brain antigen failed to react with 205 different virus strains of the Arbovirus Reference Center.

Results indicate that ArHg 807 is apparently a new virus.

Section VI - Biologic Characteristics

Virus Source (all VERTEBRATE isolates)

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)	
Vero (CL)			No CPE			Neg.		+
BHK-21 (CL)			No CPE			Neg.		+
LLC-MK2 (CL)			No CPE			Neg.		-
PS (CL)			No CPE			Neg.		-

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
Anopheles paulini and An squamosus	1		Andasibe, Madagascar

Section XII - Geographic Distribution

Known (Virus detected)

Madagascar

Suspected (Antibody only detected)

Section XIII - References

1. Clerc Y., et.al. 1983 (1984). Arch. Inst. Pasteur Madagascar 51:135 - 138.

Remarks

(1) Remarks: A previously described new virus, Perinet (VSV group) has been isolated in the same area. Andasibe is the Malagasy name of the locality.