

Virus Name: Odrenisrou		Abbreviation: ODRV
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 ArA 1131/80	Accession Number	Original Date Submitted 3/5/1986
Family Not listed	Genus Unclassified	
Information From Lhuillier, Michel	Address Institut Pasteur, 01 BP 490, Abidjan, Ivory Coast	
Information Footnote		

Section II - Original Source

Isolated By (name) Roche, J.C. and Cordellier, R.	Isolated at Institute Abidjan, Ivory Coast	
Host Genus Culex (Eumelanomyia) albiventris	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		
Collection Method Captured by net	Collection Date 10/10/1980	
Place Collected (Minimum of City, State, Country) Tai, Ivory Coast		
Latitude 7° 20' N	Longitude 5° 50' W	
Macrohabitat Primitive rain forest	Microhabitat At ground level in the shade; principal rainy season	Method of Storage until Inoculated Liquid nitrogen
Footnotes		

Section III - Method of Isolation

Inoculation Date
10/29/1980

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 5.4 dex	Control Titer 7.6 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 filtration	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 Antigen Source Erythrocytes (species used)
Yes **SMB ext. by sucrose-acetone** **Goose**

pH Range pH Optimum
6.0-7.0 **6.3**

Temperature Range Temperature Optimum
37dC

Remarks

Serologic Methods Recommended
CF, NT

Footnotes

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

CF test: homologous titer = 256/32

J.P. Digoutte and G. Heme, Insititut Pasteur Dakar.

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

Results indicate that ArA 1131/80 apparently is 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)	P-5	8	3+					
PS (CL)			No CPE					

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
Culex (Eum) albiventris	1		Tai forest, Ivory Coast (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) Ivory Coast
Suspected (Antibody only detected)

Section XIII - References

1. Institut Pasteur, Dakar Annual Report. 1982. P. 87.
--

Remarks

--