

Virus Name: Sandjimba		Abbreviation: SJAV
Status Possible Arbovirus	Select Agent No	SALS Level 2
SALS Basis Results of SALS surveys and information from the Catalogue.		
Other Information		
Antigenic Group Ungrouped		

SECTION I - Full Virus Name and Prototype Number

Prototype Strain Number / Designation DakAnB 373d	Accession Number	Original Date Submitted 8/8/1984
Family Not listed	Genus Not listed	
Information From J.P. Digoutte	Address Institut Pasteur B.P. 304 Cayenne Guyane Francaise	
Information Footnote Reviewed by editor		

Section II - Original Source

Isolated By (name) J.P. Digoutte, J. Moindrot	Isolated at Institute Bangui, Central African Republic (1,2)	
Host Genus Acrocephalus schoenobaenus	Species	Host Age/Stage Adult
Sex Not Answered		
<u>Isolated From</u>	<u>Isolation Details</u>	
Organs/Tissues	Brain, spleen, liver and heart pool	
Signs and Symptoms of Illness	Arthropod	
Time Held Alive before Inoculation		
Collection Method Collected by net	Collection Date 1/24/1970	
Place Collected (Minimum of City, State, Country) Landjia, Central African Republic		
Latitude 4° 22' N	Longitude 18° 39' E	
Macrohabitat Forest savannah mosaic	Microhabitat Ranch ten kilometers east of Bangui	Method of Storage until Inoculated Revco at -75dC
Footnotes		

Section III - Method of Isolation

Inoculation Date
4/1/1970

Animal (Details will be in Section 6)
nb mice

Route Inoculated ic and ip	Reisolation No
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Other Reasons
First virus of this type in laboratory

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) 1:1	After Treatment Titer <2 dex	Control Titer 4.6 dex
Lipid Solvent (chloroform)	After Treatment Titer 3 dex	Control Titer 6.0 dex
Lipid Solvent (deoxycholate) 0.2%	After Treatment Titer <2 dex	Control Titer 4.6 dex
Other (formalin, radiation)		

Virion Morphology

Shape	Dimensions	
Mean nm	Range nm	
Measurement Method	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. with sucrose-acetone	Erythrocytes (species used) Goose
pH Range 6.0-7.0	pH Optimum	
Temperature Range 4dC, RT, 37dC	Temperature Optimum	
Remarks		
Serologic Methods Recommended CF, NT		
Footnotes		

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

CF tests - homologous titer 16/4. Institut Pasteur (Dakar).

DakAnB 373d gives negative results with the following viruses:

Group A;	Semliki Forest virus, chikungunya, o'nyong-nyong, DakHB 543 (Begoa), Sindbis, DakArY 251, Middelburg, Ndumu.
Group B;	Ntaya, Bagaza (DakArB 209), Wesselsbron, DakArY 276, West Nile, Koutango, Dakar bat, Uganda S, Saboya, Banzi, Bouboui, yellow fever, Zika, Spondweni, Bukalasa bat, Royal Farm, Kadam (UgAr 6640), DakArY 310, Usutu.
Bunyamwera;	Bunyamwera, Germiston, Ilhesha, Shokwe, Birao.
Simbu;	Simbu, Ingwavuma, DakAnB 331, DakArB 994, DakArB 1351.
Bwamba;	Bwamba, Pongola.
California;	Lumbo.
Olifantsvlei;	Olifantsvlei, Bobia.
Turlock;	Yaba 1, M'Poko (DakArB 365).
Nyando;	Nyando, Eret 147, DakArY 176.
Mossuril;	Mossuril.
Mayariya;	Garba.

Eubenangee;	Pata.
Phlebotomus;	Nafada (DakAn D 3150).
NSD;	Dugbe.
Kemerovo;	Chenuda, Wad Medani.
Qalyub;	Bandia.
Quaranfil;	Quaranfil.
Miscellany;	Witwatersrand, Okola, Nkolbision, Tataguine, Lebombo, Tanga, Nyamanini, Thogoto, Jos (DakArD 3491), Bhanja (DakArD 9540), Gossas, Le Dantec, DakArD 4499 (Somone), Toure, Keuraliba, Botambi, Zinga, Bangoran, Yata, Landjia, Gomoka, DakArB 2882 (Nola), Dak HB 754 (Bangui), DakAnB 1094 (Kolongo), DakAnB 1054 (Bimbo), DakAnB 277, DakAnB 1582 (Ouango), DakAnB 512r (Saint Floris), DakAnB 188.
Nonarbovirus;	Herpes virus (HB 3667).

In addition DakAnB 373d antigen failed to react with the following immune fluids:

Group B;	Entebbe bat, Montana Myotis leukoencephalitis, dengue 1, 2, 3, 4, Th Sman, TH-36.
Simbu;	Sango, Shamonda, Sabo, Shuni, Sathuperi, Yaba 7.
California;	Group serum.
Tete;	Tete, Matruh.
EHD-strain NJ;	IbAr 22619.
Matariya;	Matariya, Burg el Arab.
Corriparta;	Acado.
VSV;	Chandipura (IbAn 9978).
Phlebotomus;	Group serum, Arumowot (IbAn 15736).
Kaisodi-Qalyub-Quaranfil;	Group serum (Johnston Atoll, Kaisodi, Bandia, Silverwater, Quaranfil, Lanjan, Qalyub).
Uukuniemi;	Grand Arbaud, Ponteves, EgAn 1825.
Congo;	Congo.
Bluetongue;	Type 7 (IbAn 22703), type 10 (IbAr 22618).
Miscellany;	SudAr 1275/64, IbAr 23388 (Abadina), IbAr 23380, IbAn 2898 (Oyo), IbAn 17143, Lagos bat, Mount Elgon bat, IbAn 33709, IbAn 28946.
Nonarbovirus;	LCM, rabies, IbAn 27377 and IbH 29777 (related to rabies), IbAn 20433 (NDV).

Results indicate that DakAnB 373d is apparently a new virus.

Section VI - Biologic Characteristics

Virus Source (all VERTEBRATE isolates)
CNS (LV), heart (LV), liver (LV), and spleen (LV)

Lab Methods of Virus Recovery (ALL ISOLATIONS)
Newborn mice

Cell system (a)	Virus passage history (b)	Evidence of Infection							Growth Without CPE +/- (g)
		CPE			PLAQUES				
		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
Acrocephalus schoenobaenus(bird)	1/1		Central African Republic

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) Central African Republic
Suspected (Antibody only detected)

Section XIII - References

1. Rapport Annuel de l'Institut Pasteur de Bangui. 1970. p. 50 2. Rapport Annuel de l'Institut Pasteur de Bangui. 1972. p. 38. 3. Robin, Y. Institut Pasteur de Dakar. Personal communication.
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Remarks

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