

Virus Name: Gossas		Abbreviation: GOSV
Status Probably not 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 DakAnD 401	Accession Number	Original Date Submitted 11/17/1984
Family Rhabdoviridae	Genus Not listed	
Information From Arbovirus Reference Center	Address Institut Pasteur, BP 220, Dakar, Senegal	
Information Footnote Reviewed by editor		

Section II - Original Source

Isolated By (name) Docteur P. Bres	Isolated at Institute Institut Pasteur, Dakar	
Host Genus Tadarida sp. (bat)	Species	Host Age/Stage Adult
Sex Not Answered		
<u>Isolated From</u>	<u>Isolation Details</u>	
Other Fluids	Salivary glands	
Signs and Symptoms of Illness	Arthropod	
Time Held Alive before Inoculation		
Collection Method By hand	Collection Date 11/19/1964	
Place Collected (Minimum of City, State, Country) Gossas, Senegal		
Latitude 14° 30' N	Longitude 16° 4' W	
Macrohabitat Dry savannah, sea level; tropical; one rainy season (July-October)	Microhabitat Under the roof of habitation	Method of Storage until Inoculated at -50dC
Footnotes		

Section III - Method of Isolation

Inoculation Date 11/20/1964	
Animal (Details will be in Section 6) nb mice	
Route Inoculated Intracerebral	Reisolation No
Other Reasons First virus of this type in laboratory	
Homologous Antibody Formation by <u>Source Animal</u>	
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)	
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<u>Stability of Infectivity (effects)</u>		
pH (infective range)		
Lipid Solvent (ether - % used to test)	After Treatment Titer	Control Titer
Lipid Solvent (chloroform)	After Treatment Titer	Control Titer
Lipid Solvent (deoxycholate) 1:1000	After Treatment Titer <1.5 dex	Control Titer 3.5 dex
Other (formalin, radiation)		
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<u>Virion Morphology</u>		
Shape Bullet-shaped virions (3)	Dimensions Thin-section electron microscopy (3)	
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. by sucrose-acetone	Erythrocytes (species used) Goose
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pH Range 5.3-6.6	pH Optimum
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Temperature Range Room temperature	Temperature Optimum
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Remarks

Serologic Methods Recommended
CF

Footnotes

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

CF test. Homologous titer = 32/32 (Institut Pasteur, Dakar). AnD 401 did not react with the following viruses:

Group A;	Semliki Forest virus, chikungunya, o'nyong-nyong, Begoa, (DakHB 543), Sindbis, DakArY 251, Middleburg, Ndumu.
Group B;	Ntaya, Bagaza (DakArB 209), Wesselsbron, DakArY 310, Usutu, DakArY 276, West Nile, Koutango, Dakar bat, Uganda S. Saboya, Banzi, Bouboui, yellow fever, Zika, Spondweni, Bukalasa bat, (DakAnD 595), Royal Farm, Kadam (UgAr 6640).
Bunyamwera;	Bunyamwera, Germiston, Ilesha, Shokwe, Birao (DakArB 2198).
Simbu;	Simbu, Ingwavuma, DakAnB 331, DakArB 994, DakArB 1351.
Bwamba;	Bwamba, Pongola.
California;	Lumbo.
Olifantsvlei;	Olifantsvlei, Bobia (DakArB 1569).
Turlock;	Yaba 1, M'Poko.
Nyando;	Nyando, Eret 147, DakArY 176.
Mossuril;	Mossuril.
Matariya;	DakAnB 423.
Eubenangee;	Pata (DakArB 1327).

Mantuba, Murutucu, Nepuyo, Gumbo Limbo, Apeu, Caraparú, Pixúna, Aura, Mucambo, EEE, WEE, VEE, Mayaro, Arumowot (IBAn 15736), Naples, Anhangá, Sororoca, Tacaiuma, Turlock, Umbre, Utinga, Zegla, Sango (Maru-11709), SLE, Powassan, California, Icoaraci, Sicilian, Tahnya, Guaroa, Taissui, Maguari, Anopheles A, Anopheles B, Bakau, Benfca, Buttonwillow, Guajara, Kairi, Ketapang, Manzanilla, Patois, Itaporanga, Candiru, Chagres, Bujaru, Pacora, Karimabad, Wongal.

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)	
E6 (CL)		3	2+ (4)					
CER (CL)		2	4+ (4)					
PS (CL)		1	4+ (4)		4	1.0 mm	8.6* (5)	
BHK-21 (CL)		1	4+ (4)					
LLC-MK2 (CL)		2	4+ (4)		5	0.5 mm	7.8 (5)	
SW-13 (CL)		1	4+ (4)					
Vero (CL)			No CPE		4	0.5 mm	9.5 (5)	
DE (PC)			No CPE (4)			No plaques (5)		

* Expressed in dex

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
Tadarida sp.	1/5,502		Gossas, Senegal
Man		0/36 NT	Kiakhao, Senegal
Tadarida sp.		0/100 NT	Gossas, Senegal

Section VIII - Susceptibility to Experimental Infection (include viremia)

Experimental host and age	Passage history and strain	Inoculation Route-Dose	Evidence of infection	AST (days)	Titer log10/ml
Mice (nb)	SMB 5	ic 0.02	Death	8	8.3
Mice (nb)		ip			
Mice (nb)		sc			
Mice (wn)		ic 0.03	Antibody production		
Mice (wn)		ip 0.1	Antibody production		
rabbit		iv 0.5	Antibody production		

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