

<b>Virus Name: Gordil</b>		<b>Abbreviation: GORV</b>
Status <b>Possible Arbovirus</b>	Select Agent <b>No</b>	SALS Level <b>3</b>
SALS Basis <b>Insufficient experience with virus; i.e., experience factor from SALS surveys was less than 500 in laboratory facilities with low biocontainment.</b>		
Other Information		
Antigenic Group <b>Phlebotomus Fever</b>		

**SECTION I - Full Virus Name and Prototype Number**

Prototype Strain Number / Designation <b>DakAnBR 496d</b>	Accession Number	Original Date Submitted <b>8/14/1984</b>
Family <b>Bunyaviridae</b>	Genus <b>Phlebovirus</b>	
Information From <b>J.P. Digoutte</b>	Address <b>Institut Pasteur B.P. 304 Cayenne Guyane Francaise</b>	
Information Footnote <b>Reviewed by editor</b>		

**Section II - Original Source**

Isolated By (name) <b>J.P. Digoutte, F. Petter</b>	Isolated at Institute <b>Institut Pasteur, Bangui</b>	
Host Genus <b>Lemniscomys striatus (rodent)</b>	Species	Host Age/Stage <b>Adult</b>
Sex <b>Female</b>		
<u>Isolated From</u>	<u>Isolation Details</u>	
<b>Organs/Tissues</b>	<b>Brain, spleen, liver</b>	
Signs and Symptoms of Illness	Arthropod	
Time Held Alive before Inoculation		
Collection Method <b>Caught in a trap</b>	Collection Date <b>2/20/1971</b>	
Place Collected (Minimum of City, State, Country) <b>Gordil, Central African Republic</b>		
Latitude <b>9° 37' N</b>	Longitude <b>21° 41' E</b>	
Macrohabitat <b>Dry savannah</b>	Microhabitat	Method of Storage until Inoculated <b>Liquid nitrogen, then Revco at -75dC</b>
Footnotes		

**Section III - Method of Isolation**

Inoculation Date  
**3/4/1971**

Animal (Details will be in Section 6)  
**nb mice**

Route Inoculated <b>ic and ip</b>	Reisolation <b>No</b>
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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)	After Treatment Titer	Control Titer
Lipid Solvent (chloroform)	After Treatment Titer <b>&lt;2.0 dex</b>	Control Titer <b>8.7 dex</b>
Lipid Solvent (deoxycholate)	After Treatment Titer	Control Titer
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 <b>Yes</b>	Antigen Source <b>SMB ext. by sucrose-acetone</b>	Erythrocytes (species used) <b>Goose</b>
pH Range <b>5.7-6.4</b>	pH Optimum <b>6.0-6.2</b>	
Temperature Range <b>4dC, RT, 37dC</b>	Temperature Optimum <b>RT</b>	
Remarks		
Serologic Methods Recommended <b>HI, CF, NT</b>		
Footnotes		

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

CF test - homologous = 64/32. Institut Pasteur (Dakar) [2] : DakAnBR 496d gives negative results with the following viruses:

Group A;	Semliki Forest virus, chikungunya, o'nyong nyong, Igbo Ora (B543), Sindbis, ArY 251, Middelburg, Ndumu.
Group B;	Ntaya, Bagaza (ArB 209), Wesselsbron, ArY 310, Usutu, ArY 276, West Nile, Koutango (AnD 5443), Dakar bat, Uganda S, Saboya (AnD 4600), Banzi, Bouboui (ArB 490), yellow fever, Zika, Spondweni, Bukalasa bat (AnD 595), Royal Farm (T 285), Kadam (UgAr 6640).
Bunyamwera;	Bunyamwera, Germiston, Ilhesha, Shokwe, Birao (ArB 2198).
Simbu;	Buttonwillow, Ingwavuma, Simbu, Nola (ArB 2882).
Bwamba;	Bwamba, Pongola.
California;	Lumbo.
Olifantsvlei;	Olifantsvlei, Bobia (ArB 1569), Botambi (ArB 937).
Tete;	Tete (SAAn 3518), Bahig (EgB 90), Matruh (EgAn 1047), DakAnB 1442, AnB 1292, AnB 1544, AnB 1564.
Phlebotomus;	Gabek Forest (AnD 3150), Saint-Floris (AnB 512-Re), Zinga (ArB 1976).
Boteke;	Boteke (ArB 1077), Zingilamo (AnB 1245).
Corriparta;	Acado (EhAr 1846).
Eubenangee;	Eubenangee (In 1074), Pata (ArB 1327).

Matariya;	Burg el Arab (EgAn 3782), Matariya (EgAn 1477), Garba (AnB 423).
Mossuril;	Bangoran (ArB 2053), Kamese, Mossuril.
Nyando;	Eret 147 (AnY 176), Nyando.
Turlock;	Yaba 1 (ArB 365).
Congo;	Congo (IbAr 10200).
NSD;	Dugbe (IbAn 1792).
Kemerovo;	Chenuda, Wad Medani.
Qalyub;	Bandia (ArD 611), Qalyub (EgAr 370).
Quaranfil;	Quaranfil.
Thogoto;	Thogoto.
Bhanja;	Bhanja (ArD 9540).
Keuraliba;	Keuraliba (AnD 5314), Le Dantec (HD 763).
Nyamanini;	Nyamanini.
Ungrouped;	Lebombo, Nkolbisson, Okola, Tataguine, Witwatersrand, Orungo (ArB 2078), Jos (ArD 15131), Somone (ArD 4499), IbAn 39048 (ArYT 34), Gossas (AnD 401), Toure (AnD 4611), Yogue (AnD 5634), AnD 11411, Yata (ArB 2181), Bangui (HB 754), Landjia (AnB 769), Gomoka (AnB 787), Kolongo (AnB 1094), Bimbo (AnB 1054), Ouango (AnB 1592), Bobaya (AnB 2208), Oubangui (ArB 3816), Sandjimba (AnB 373), Bakounga (AnB 188), Koumbala (AnB 160), AnB 277, AnB 1277, AnB 1398, AnB 904, AnYV 6, AnYV 177.
Nonarbovirus;	Herpesvirus (HB 3667).

Gordil antigen gives positive reaction with Phlebotomus group serum

Ascitic fluid	Neutralization Test	
	Virus Gordil	
Gordil	2.8 *	
Gabek Forest	1.0	

\* LNI in dex

Results indicate that DakAnBR 496d is apparently a new virus.

**Section VI - Biologic Characteristics**

Virus Source (all VERTEBRATE isolates)  
**CNS (LV), liver (LV), spleen (LV) (pooled tissues)**

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
Lemnyscomys striatus (striped grass mouse)	1/103		Central African Republic (1)
Tatera (gerbil)	1/112		



**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) <b>Central African Republic</b>
Suspected (Antibody only detected)

**Section XIII - References**

1. Rapport Annuel de l'Institut Pasteur de Bangui. 1971. p. 44. 2. Robin, Y.. Institut Pasteur de Dakar. Personal communication.
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**Remarks**

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