

<b>Virus Name: Fomede</b>		<b>Abbreviation: FOMV</b>
Status <b>Possible Arbovirus</b>	Select Agent <b>No</b>	SALS Level
SALS Basis		
Other Information		
Antigenic Group <b>Not listed</b>		

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

Prototype Strain Number / Designation <b>Ank 654</b>	Accession Number	Original Date Submitted 12/19/1985
Family <b>Not listed</b>	Genus <b>Not listed</b>	
Information From <b>1. Boiro et.al.</b>	Address <b>Laboratory of Virology and Microbiology, BP 561, Conakry, Guinea</b>	
Information Footnote		

**Section II - Original Source**

Isolated By (name) <b>1. Boiro et.al.</b>	Isolated at Institute <b>Kindia, Guinea</b>	
Host Genus <b>Nycteris nana (bat)</b>	Species	Host Age/Stage
Sex <b>Not Answered</b>		
<u>Isolated From</u>	<u>Isolation Details</u>	
<b>Organs/Tissues</b>	<b>Brain, lover, spleen</b>	
Signs and Symptoms of Illness	Arthropod	
Time Held Alive before Inoculation		
Collection Method	Collection Date <b>9/22/1978</b>	
Place Collected (Minimum of City, State, Country) <b>Fomede, Koba, Pastoria, Kindia, Guinea</b>		
Latitude <b>10° 6' N</b>	Longitude <b>12° 53' W</b>	
Macrohabitat	Microhabitat	Method of Storage until Inoculated <b>Stored in deep freezer ( -70dC ) until inoculation</b>
Footnotes		



**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>5.7-6.8</b>	pH Optimum	
Temperature Range <b>37dC, 4dC</b>	Temperature Optimum	
Remarks		
Serologic Methods Recommended <b>CF, NT</b>		
Footnotes		

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

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

CF test-homologous titer = 256/8.

Immune ascitic fluid and/or newborn mouse brain antigen failed to react with 205 different virus strains of the Arbovirus Reference Center.  
Results indicate that Ank 654 is apparently a new virus.

**Section VI - Biologic Characteristics**

Virus Source (all VERTEBRATE isolates)  
Brain, liver, spleen (LV)

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)	
PS (CL)		3	No CPE					+
Vero (CL)		2	++	6.5				
LLC-MK2 (CL)			No CPE					+
BHK-21 (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
Nycteris nana (brain, organs)	1/654		Kindia, Guinea

**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 log <sub>10</sub> /ml
mice (nb)		ic 0.01	Illness and death	2	8.2
"" (nb)		ip	Illness and death	2	8.2
"" (nb)		sc	Illness and death	3-4	7.7
"" (wn)		ic 0.03	Antibodies		
"" (wn)		ip 0.1	Antibodies		

**Section IX - Experimental Arthropod Infection and Transmission**

Arthropod species & virus source(a)	Method of Infection log <sub>10</sub> /ml (b)		Incubation period (c)		Transmission by bite (d)		Assay of arthropod, log <sub>10</sub> /ml (e)		
	Feeding	Injected	Days	°C	Host	Ratio	Whole	Organ	System

**Section X - Histopathology**

Character of lesions (specify host)

**Massive necrosis of the cerebral cortex with lesion of hippocampus; arboviral meningoencephalitis**

Inclusion Bodies

Intranuclear

Organs/Tissues Affected

Category of tropism

**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>Guinea</b>
Suspected (Antibody only detected)

**Section XIII - References**

1. J.P. Digoutte. Centre Collaborateur OMS de reference et de recherche pour les Arbovirus. Insitut Pasteur Dakar Annual Report. 1981.
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**Remarks**

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