

<b>Virus Name: Dabakala</b>		<b>Abbreviation: DABV</b>
Status <b>Possible Arbovirus</b>	Select Agent <b>No</b>	SALS Level
SALS Basis		
Other Information		
Antigenic Group <b>Olifantsvlei</b>		

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

Prototype Strain Number / Designation <b>ArA 5937/82</b>	Accession Number	Original Date Submitted <b>3/5/1986</b>
Family <b>Not listed</b>	Genus <b>Bunyavirus</b>	
Information From <b>Lhuillier Michel</b>	Address <b>Institut Pasteur, 01 BP 480 Abidjan, Ivory Coast</b>	
Information Footnote		

**Section II - Original Source**

Isolated By (name) <b>M. Lhuillier and R. Cordellier</b>	Isolated at Institute <b>Abidjan, Ivory Coast</b>	
Host Genus <b>Culex (Culex) guiarti/ingrami, pool of 10</b>	Species	Host Age/Stage <b>Imagos</b>
Sex <b>Female</b>		
<u>Isolated From</u>	<u>Isolation Details</u>	
Signs and Symptoms of Illness	Arthropod <b>Depleted</b>	
Time Held Alive before Inoculation <b>25 days</b>		
Collection Method <b>Captured by net</b>	Collection Date <b>7/22/1982</b>	
Place Collected (Minimum of City, State, Country) <b>Sobala-Sokara, Ivory Coast</b>		
Latitude <b>8° 26' N</b>	Longitude <b>4° 30' W</b>	
Macrohabitat <b>Forest gallery</b>	Microhabitat <b>Ground level in the forest gallery (end of little rainy season)</b>	Method of Storage until Inoculated <b>Liquid nitrogen</b>
Footnotes		

**Section III - Method of Isolation**

Inoculation Date  
**8/14/1982**

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 <b>&lt;=3.7 dex</b>	Control Titer <b>9.2 dex</b>
Lipid Solvent (deoxycholate)	After Treatment Titer	Control Titer

Other (formalin, radiation)

**Virion Morphology**

Shape	Dimensions <b>&lt; 220 nm</b>	
Mean nm	Range nm	
Measurement Method <b>Millipore filtration</b>	Surface Projections/Envelope	Nucleocapsid Dimensions, Symmetry

**Morphogenesis**

Site of Constituent Formation in Cell

Site of Virion Assembly

Site of Virion Accumulation

Inclusion Bodies

Other

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**Hemagglutination**

Hemagglutination

Antigen Source

Erythrocytes (species used)

**Not tried**

pH Range

pH Optimum

Temperature Range

Temperature Optimum

Remarks

Serologic Methods Recommended

**CF, NT**

Footnotes

CF test: homologous titer = 32/16

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

ArA 5937/82 did not react with any virus except Botambi and ArA 3673 (Oubi).

Cross-CF and neutralization test with Botambi gave the following results:

Antisera	COMPLEMENT - FIXATION TEST		
	ArA 5937	Botambi	Oubi
Dabakala (ArA 5937)	32/16 *	8/32	<8/8
Botambi	256/16	512/32	64/32
Oubi (ArA 3673)	16/16	32/64	128/32

\* Maximum antibody titer/optimum antigen titer.

Antisera	NEUTRALIZATION TEST		
	ArA 5937	Botambi	Oubi
Dabakala (ArA 5937)	5.3 **	0.9	1.2
Botambi	0.8	2.4	0.5
Oubi (ArA 3673)	2.3	0.3	2.9

\*\* LNI given in dex

Results indicate that strain ArA 5937 represents a distinct virus related to Botambi and ArA 3673 (Oubi).

**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)	SM 6		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 guiarti/ingrami	1		Dabakala region, Ivory Coast



**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>Ivory Coast</b>
Suspected (Antibody only detected)

**Section XIII - References**

1. Institut Pasteur Dakar Annual Report. 1984. P. 99.
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**Remarks**

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