

Virus Name: Batama		Abbreviation: BMAV
Status Possible Arbovirus	Select Agent No	SALS Level 3
SALS Basis Insufficient experience with virus; i.e., experience factor from SALS surveys was less than 500 in laboratory facilities with low biocontainment.		
Other Information		
Antigenic Group Tete		

SECTION I - Full Virus Name and Prototype Number

Prototype Strain Number / Designation AnB 1292a	Accession Number	Original Date Submitted 10/3/1984
Family Bunyaviridae	Genus Bunyavirus	
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 and J. Moindrot	Isolated at Institute Bangui, Central African Republic	
Host Genus Euplectes afra	Species	Host Age/Stage Adult
Sex Not Answered		
<u>Isolated From</u>	<u>Isolation Details</u>	
Whole Blood		
Signs and Symptoms of Illness	Arthropod	
Time Held Alive before Inoculation		
Collection Method By net	Collection Date 8/28/1970	
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 Liquid nitrogen 1 day, then Revco at -75dC
Footnotes		

Section III - Method of Isolation

Inoculation Date
9/26/1970

Animal (Details will be in Section 6)
nb mice

Route Inoculated ic and ip	Reisolation Not tried
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Other Reasons
First virus of this type in the 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) 5%	After Treatment Titer <2.0 dex	Control Titer 5.6 dex
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

Antigen Source

Erythrocytes (species used)

Yes

SMB ext. by sucrose-acetone

Goose

pH Range

pH Optimum

6.0-6.8

6.0

Temperature Range

Temperature Optimum

RT

Remarks

Serologic Methods Recommended

CF, NT

Footnotes

CF test - homologous titer = 512/64.

Institut Pasteur (Dakar) [2] : AnB 1292a antigen gave positive results with immune sera to Tete, Bahig and Matruh viruses and gave negative results with immune sera to other arboviruses that have been isolated in Africa.

Complement-fixation test:				
Ascitic fluids	Antigens			
	AnB 1292a	Tete	Bahig	Matruh
AnB 1292a	512/64 *	512/128	64/128	32/128
Tete	512/64	256/128	0/0	16/128
Bahig	64/32	32/128	256/128	256/128
Matruh	0/0	0/0	32/128	32/128

* Maximum titer of antiserum/optimum titer of antigen: % = <4/<4.

Neutralization test:				
Ascitic fluids	Virus			
	AnB 1292a	Tete	Bahig	Matruh
AnB 1292a	3.9 **	1.70	.60	.9
Tete	2.0	2.80	.60	.6
Bahig	2.7	1.5	>3.7	3.3
Matruh	1.8	1.1	1.7	3.2

** LNI in dex

Section VI - Biologic Characteristics

Virus Source (all VERTEBRATE isolates)
Blood (LV), organs (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
Euplectes afra (bird; blood, organs)	3/69		Central African Republic (1)
Ploceus melanocephalus (bird; blood)	1/14		
Hyphanturgus nigricollis (bird; blood)	1/8		

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. Digoutte, J.P. 1970. Rapport Annuel de l'Institut Pasteur de Bangui, p.54. 2. Robin, Y. Personal communication.

Remarks

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