

<b>Virus Name: M'poko</b>		<b>Abbreviation: MPOV</b>
Status <b>Possible Arbovirus</b>	Select Agent <b>No</b>	SALS Level <b>2</b>
SALS Basis		
Other Information		
Antigenic Group <b>Turlock</b>		

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

Prototype Strain Number / Designation <b>BA 365</b>	Accession Number	Original Date Submitted <b>11/7/1984</b>
Family <b>Bunyaviridae</b>	Genus <b>Bunyavirus</b>	
Information From <b>J.P. Digoutte</b>	Address <b>Institut Pasteur BP 923, Bangui, Central African Republic</b>	
Information Footnote <b>Reviewed by editor</b>		

**Section II - Original Source**

Isolated By (name) <b>J.P. Digoutte, F.X. Pajot</b>	Isolated at Institute <b>Institut Pasteur, Bangui (2)</b>	
Host Genus <b>Mixed Culex</b>	Species	Host Age/Stage <b>Adult (imago)</b>
Sex <b>Female</b>		
<u>Isolated From</u>	<u>Isolation Details</u>	
Signs and Symptoms of Illness	Arthropod	
Time Held Alive before Inoculation		
Collection Method <b>Collected by hand</b>	Collection Date <b>11/21/1966</b>	
Place Collected (Minimum of City, State, Country) <b>M'Poko Bridge near Bangui, Cent. Afr. Rep.</b>		
Latitude <b>4° 19' N</b>	Longitude <b>18° 31' E</b>	
Macrohabitat <b>Savannah, forest mosaic</b>	Microhabitat <b>Ground level; bank of river; daylight</b>	Method of Storage until Inoculated <b>-65dC</b>
Footnotes		



**Morphogenesis**

Site of Constituent Formation in Cell

Site of Virion Assembly

Site of Virion Accumulation

Inclusion Bodies

Other

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**Hemagglutination**

Hemagglutination

**No**

Antigen Source

**SMB ext. by fluorocarbon, sucrose-acetone +  
protamine**

Erythrocytes (species used)

**Goose**

pH Range

**5.8-7.2**

pH Optimum

Temperature Range

**Room temperature**

Temperature Optimum

Remarks

Serologic Methods Recommended

**CF, NT**

Footnotes

CF tests

Homologous titer 256/64

BA 365 gives negative results with the following sera from mice:

Group A:	chickungunya, o'nyong nyong, Semliki Forest virus, Sindbis, Middelburg, Ndumu.
Group B:	Ntaya, Wesselsbron, Usutu, West Nile, Dakar bat, Uganda S, yellow fever, Zika, Spondweni, Bukalasa bat, Entebbe bat.
Group Bunyamwera:	Germiston, Ilesha, Shokwe.
Group Bwamba:	Bwamba, Pongola.
Group Simbu:	Simbu, Ingwavuma.
Others:	Chenuda, Nyamanini, Thogoto, Wad Medani, Bandia, Lebombo, Mossuril Nyando, Olifantsvlei, Tanga, Witwatersrand, Tataguine, Lagos bat, Quarantil.

However BA 365 is related to Yaba 1 as shown by following cross CF tests [3] :

Antigens	Turlock Ascitic fluid	Umbre Serum	Yaba 1 Serum	BA 365 Ascitic fluid
Turlock	64/256	64/64	16/64	4/256
Umbre	8/16	128/64	8/4	2/4
Yaba 1	8/64	16/64	256/256	16/1024
BA 365	4/64	16/64	256/64	16/256

On further testing, M'Poko was found to be indistinguishable from Yaba-1 by cross CF and NT [5] .

Neutralization data shown on the Lednice virus registration card indicate that Yaba 1 and M'Poko viruses manifest two-way differences [7] .

**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)	
Hela (CL)	SMB 8	7-8	CPE	8.4*				
Chick embryo fibroblasts(PC)					3	Plaques	8.4*	

\* 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
Mixed Culex	3/2,000 pools		Surroundings of Bangui Central African Rep.
Culex decens	1		Centr.Afr.Republic (6)
Culex (Cux) perfuscus	1/2,000 pools		Surroundings of Bangui Central African Rep.
Man		11/32	Central African Rep.
Turdus libonyanus (bird)	1		Centr. African Rep.(6)
Culex cinereus	1		Republic of Guinea (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) <b>Central African Republic</b>
Suspected (Antibody only detected)

**Section XIII - References**

<ol style="list-style-type: none"><li>1. Rapports sur le fonctionnement technique de l'Institut Pasteur de Bangui, 1966, 1967, 1968.</li><li>2. Digoutte, J.P., et al. 1970. Ann. Inst. Pasteur 119:512-519.</li><li>3. Shope, R.E. Personal communication.</li><li>4. Henderson, B.E., et al. 1969. E. Afr. Virus Res. Inst. Rep. No. 18:31-33.</li><li>5. Digoutte, J.P. Personal communication. Jan. 5, 1973.</li><li>6. Rapport Annuel de l'Institut Pasteur de Bangui. 1974.</li><li>7. Calisher, C.H., et al. 1984. Acta Virol. 28:148-151.</li><li>8. Boiro, I., et al. 1985. Bull. Soc. Path. Exotique 78:425-455.</li></ol>
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**Remarks**

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