

<b>Virus Name: Guaratuba</b>		<b>Abbreviation: GTRV</b>
Status <b>Probable 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>Guama</b>		

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

Prototype Strain Number / Designation <b>APAn 12252</b>	Accession Number	Original Date Submitted <b>2/7/1985</b>
Family <b>Bunyaviridae</b>	Genus <b>Bunyavirus</b>	
Information From <b>Dr. Oscar de Souza Lopes</b>	Address <b>Instituto Adolfo Lutz, Caixa Postal 7027, Sao Paulo, Brazil</b>	
Information Footnote <b>Reviewed by editor</b>		

**Section II - Original Source**

Isolated By (name) <b>Dr. Oscar de Souza Lopes</b>	Isolated at Institute <b>Guaratuba, Sao Paulo</b>	
Host Genus <b>White mouse, sentinel</b>	Species	Host Age/Stage <b>Newborn</b>
Sex <b>Not Answered</b>		
<u>Isolated From</u>	<u>Isolation Details</u>	
<b>Organs/Tissues</b>	<b>Brain</b>	
Signs and Symptoms of Illness <b>At 7th day of observation in laboratory, 2 mice sickened. Virus isolated from both</b>	Arthropod	
Time Held Alive before Inoculation		
Collection Method <b>Family exposed during 72 hours in forest</b>	Collection Date <b>2/27/1969</b>	
Place Collected (Minimum of City, State, Country) <b>Guaratuba, Sao Paulo, Brazil</b>		
Latitude <b>23° 45' S</b>	Longitude <b>45° 55' W</b>	
Macrohabitat <b>Forest at sea level</b>	Microhabitat <b>Inside of the forest on the ground</b>	Method of Storage until Inoculated <b>Electrical deep-freezer at -60dC</b>
Footnotes		





**Section VI - Biologic Characteristics**

Virus Source (all VERTEBRATE isolates)  
 Blood (LV), heart (LV), kidney (LV)

Lab Methods of Virus Recovery (ALL ISOLATIONS)  
 Newborn mice and hamsters

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)		
Vero (CL)			CPE	5.0*		Plaques (1)			
Duck embryo (PC)						No plaques (1)			

\* Expressed in dex

Vertebrate (species and organ) and arthropod	No. isolations/No. tested	No. with antibody/No. tested Test used	Country and region
Sentinel mice	11		Sao Paulo, Brazil
Sentinel hamsters	2		
Birds:			
Xanthomyias virescens	1		
Arthropods:			
Aedes serratus	1		
Anopheles (Ker) cruzii	1		

**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)	P-2	ic 0.02	Paralysis, death	4.0	7.2
Mice (nb)		ip 0.03	Paralysis, death	5.0	
Mice (nb)		sc			
Mice (wn)		ic 0.03	Antibody		
Mice (wn)		ip 0.2	Antibody		
Mice (nb)		sc 0.02	Paralysis, death		8.2

**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)

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>Brazil</b>
Suspected (Antibody only detected)

**Section XIII - References**

1. Calisher, C.H., et al. 1983. Am. J. Trop. Med. Hyg. 32:424-431.
2. Calisher, C.H., et al. 1985. To be submitted.

**Remarks**

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