

<b>Virus Name: Antequera</b>		<b>Abbreviation: ANTV</b>
Status <b>Possible Arbovirus</b>	Select Agent <b>No</b>	SALS Level
SALS Basis		
Other Information		
Antigenic Group <b>Resistencia</b>		

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

Prototype Strain Number / Designation <b>AG80-226</b>	Accession Number	Original Date Submitted <b>7/6/1984</b>
Family <b>Bunyaviridae</b>	Genus <b>Bunyavirus-like</b>	
Information From <b>C.Mitchell, T.Monath, C.Calisher, M.Sabattini.</b>	Address <b>CDC,Ft. Collins, CO and Instituto de Virologia, Cordoba, Argentina</b>	
Information Footnote		

**Section II - Original Source**

Isolated By (name) <b>C.J. Mitchell and T.P. Monath</b>	Isolated at Institute <b>CDC, Ft. Collins, CO</b>	
Host Genus <b>Culex (Melanoconion) delpontei, pool of 86</b>	Species	Host Age/Stage <b>Adult</b>
Sex <b>Female</b>		
<u>Isolated From</u>	<u>Isolation Details</u>	
Signs and Symptoms of Illness	Arthropod <b>Engorged, Depleted</b>	
Time Held Alive before Inoculation <b>Nil</b>		
Collection Method <b>Chicken-baited lard can</b>	Collection Date <b>4/8/1980</b>	
Place Collected (Minimum of City, State, Country) <b>Antequera Nature Park, Chaco Province, Argentina</b>		
Latitude <b>27° 25' S</b>	Longitude <b>58° 50' W</b>	
Macrohabitat <b>Swamp in subtropical riverine forest</b>	Microhabitat <b>Dense vegetation adjacent to swamp</b>	Method of Storage until Inoculated <b>Dry ice and -80dC freezer</b>
Footnotes		



**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)

**No****SMB ext. by sucrose-acetone****Goose**

pH Range

pH Optimum

**5.8-7.2**

Temperature Range

Temperature Optimum

Remarks

Serologic Methods Recommended

**CF, N**

Footnotes

Six strains were shown to be identical by cross-CF tests: AG80-226, AG80-517, AG80-785, AG80-1545, AG80-381, and AG80-504. AG80-226 (sucrose-acetone antigen) tested by CF with a battery of HIAF containing antibodies to more than 300 arboviruses and other viruses; no reactions were detected. No inhibition of hemagglutination was detected in HI tests employing HIAF for AG80-226 and antigens of viruses belonging to serogroups A, B, C, Bunyamwera, Turlock, California, and Phlebotomus fever [1].

NT tests were performed with five of these six isolates (AG80-785 = AG80-1545). The results (shown below) demonstrate that, although interrelated, AG80-226, AG80-504 and AG80-381 are distinct from each other, that AG80-785 is identical with AG80-504 and that AG80-517 is a subtype of AG80-504 (1).

Strain	PRNT titer of antibody to:				
	AG80-226	AG80-381	AG80-504	AG80-785	AG80-517
AG80-226	2560 *	80	-	-	-
AG80-381	320	320	-	10	10
AG80-504	40	-	640	640	160
AG80-785	-	-	640	1280	640
AG80-517	20	-	320	1280	1280

\* Reciprocal of highest dilution producing >90% plaque reduction;  
 - = <10

Virus Source (all VERTEBRATE isolates)

Lab Methods of Virus Recovery (ALL ISOLATIONS)  
Vero cell cultures

Cell system (a)	Virus passage history (b)	Evidence of Infection						
		CPE			PLAQUES			Growth Without CPE +/- (g)
		Day (c)	Extent (d)	Titer TC <sub>50</sub> /ml (e)	Day (c)	Size (f)	Titer PFU/ml (e)	
Vero (CL)	Vero 2 SM 1	5	3-4+		5	<1 mm	8.0 **	
Duck embryo (PC)			No CPE			No plaques	<2.0	
** Expressed in dex								

Vertebrate (species and organ) and arthropod	No. isolations/No. tested	No. with antibody/No. tested Test used	Country and region
Culex (Mel) delpontei	1/8,081		Chaco Province, Argentina
Cx (Mel) spp.	0/24,235		
Cx (Cux) spp.	0/13,537		
Aedeomyia squamipennis	0/2,181		
Aedes scapularis	0/3,074		
Anopheles albitarsis	0/565		
Anopheles spp.	0/17,195		
Coquillettidia spp.	0/1,858		
Mansonia spp.	0/31,492		
Psorophora spp.	0/1,228		
Uranotaenia spp.	0/1,204		
Other arthropod spp.	0/985		



**Section XII - Geographic Distribution**

Known (Virus detected)

**Argentina**

Suspected (Antibody only detected)

**Section XIII - References**

1. Calisher, C.H., et al. 1985. Am. J. Trop. Med. Hyg. 34:956-965.

**Remarks**