

<b>Virus Name: Corfou</b>		<b>Abbreviation: CFUV</b>
Status <b>Possible Arbovirus</b>	Select Agent <b>No</b>	SALS Level
SALS Basis		
Other Information		
Antigenic Group <b>Phlebotomus Fever</b>		

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

Prototype Strain Number / Designation <b>PaAr 814</b>	Accession Number	Original Date Submitted 9/12/1985
Family	Genus <b>Phlebovirus</b>	
Information From <b>F. Rodhain</b>	Address <b>Institut Pasteur, Paris, France</b>	
Information Footnote		

**Section II - Original Source**

Isolated By (name) <b>F. Rodhain</b>	Isolated at Institute <b>Institut Pasteur, Paris, France</b>	
Host Genus <b>Ohlebotomus major, pool of 40</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	
Time Held Alive before Inoculation <b>Nil</b>		
Collection Method <b>Oral aspiration</b>	Collection Date <b>8/30/1981</b>	
Place Collected (Minimum of City, State, Country) <b>Lakones, Corfu, Greece</b>		
Latitude <b>39° 41' N</b>	Longitude <b>19° 43' E</b>	
Macrohabitat <b>Village</b>	Microhabitat <b>Outdoors, along walls</b>	Method of Storage until Inoculated <b>Liquid nitrogen</b>
Footnotes		

**Section III - Method of Isolation**

Inoculation Date  
**9/15/1981**

Animal (Details will be in Section 6)  
**nb mice**

Route Inoculated  
**Intracerebral**

Reisolation  
**Not tried**

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>4.2 dex</b>	Control Titer <b>7.1 dex</b>
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

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**Hemagglutination**

Hemagglutination

Antigen Source

Erythrocytes (species used)

**No**

**Suckling mouse brain ext. by sucrose-acetone**

**Goose**

pH Range

pH Optimum

**6.0 - 7.0**

Temperature Range

Temperature Optimum

Remarks

Serologic Methods Recommended

**NT**

Footnotes

**Section V - Antigenic Relationship and Lack of Relationship to Other Viruses**

IFA tests: negative with following poly or monovalent reference ascitic fluids: group A, group B, VSV, CHP, YB, Perinet and RVF. Positive with the following reference ascitic fluids: group Phlebotomous fever, KAR, SFN, SFS, ARB and AMT.  
 RESULTS OF CF TESTS WITH SFS, SAL, AND ARB VIRUSES:

Antigen	Ascitic Fluids			
	CORFOU	SFS	SAL	ARB
CORFOU	512/32 *	512/32	16/8	0
SFS	256/64	>1024/64	0	0
SAL	0	0	256/>128	128/>64
ARB	0	0	128/64	512/16

\* Ascitic fluid titer/antigen titer.

RESULTS OF NT TESTS (VERO CELLS) WITH SFS VIRUS:

Virus	Titer of ascitic fluids to:	
	Corfou	SFS
Corfou	160 *	<10
SFS	<10	80

\* Reciprocal of first dilution inhibiting at least 90% of plaques

**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 4  V 3				5-6	1mm	7.4 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
Phlebotomus major	1/12 pools (289 specimens)		Corfu Island, Greece (1)



**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>Corfu Island, Greece</b>
Suspected (Antibody only detected)

**Section XIII - References**

1. Rodhain, F., et.al. 1985. Ann. Inst. Pasteur. Virol. 136E:161-166.
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**Remarks**

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