

Table 3 – Arboviruses and Related Zoonotic Viruses

**TABLE 3**  
**ALPHABETIC LISTING OF 597 ARBOVIRUSES AND HEMORRHAGIC FEVER VIRUSES\***

<b>NAME</b>	<b>ACRONYM</b>	<b>TAXONOMIC STATUS (FAMILY OR GENUS)</b>	<b>RECOMMENDED BIOSAFETY LEVEL</b>	<b>BASIS OF RATING</b>	<b>ANTIGENIC GROUP</b>	<b>HEPA FILTRATION ON LAB EXHAUST</b>
Abras	ABRV	<i>Orthobunyavirus</i>	2	A7	Patois	No
Absettarov	ABSV	<i>Flavivirus</i>	4	A4	B <sup>f</sup>	Yes
Abu Hammad	AHV	<i>Nairovirus</i>	2	S	Dera Ghazi Khan	No
Acado	ACDV	<i>Orbivirus</i>	2	S	Corriparta	No
Acara	ACAV	<i>Orthobunyavirus</i>	2	S	Capim	No
Adelaide River	ARV	<i>Lyssavirus</i>	2	IE	Bovine Ephemeral Fever	No
African Horsesickness	AHSV	<i>Orbivirus</i>	3 <sup>c</sup>	A1	African Horsesickness	Yes
African Swine Fever	ASFV	<i>Asfivirus</i>	3 <sup>c</sup>	IE	Asfivirus	Yes
Aguacate	AGUV	<i>Phlebovirus</i>	2	S	Phlebotomus Fever	No
Aino	AINOV	<i>Orthobunyavirus</i>	2	S	Simbu	No
Akabane	AKAV	<i>Orthobunyavirus</i>	3 <sup>c</sup>	S	Simbu	Yes
Alenquer	ALEV	<i>Phlebovirus</i>	2	IE	Phlebotomus Fever	No
Alfuy	ALFV	<i>Flavivirus</i>	2	S	B <sup>f</sup>	No
Alkhumra	ALKV	<i>Flavivirus</i>	4	A4	B <sup>f</sup>	Yes
Allpahuayo	ALLPV	<i>Arenavirus</i>	3	IE	Tacaribe	No
Almeirim	ALMV	<i>Orbivirus</i>	2	IE	Changuinola	No
Almpiwar	ALMV	<i>Rhabdoviridae</i>	2	S		No
Altamira	ALTV	<i>Orbivirus</i>	2	IE	Changuinola	No
Amapari	AMAV	<i>Arenavirus</i>	2	A5	Tacaribe	No
Ambe	AMBEV	<i>Phlebovirus</i>	2	IE		No
Ananindeua	ANUV	<i>Orthobunyavirus</i>	2	A7	Guama	No
Andasibe	ANDV	<i>Orbivirus</i>	2	A7		No
Andes	ANDV	<i>Hantavirus</i>	3 <sup>a</sup>	IE	Hantaan	No

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Anhanga	ANHV	<i>Phlebovirus</i>	2	S	Phlebotomus Fever	No
Anhemi	AMBV	<i>Orthobunyavirus</i>	2	S	Bunyamwera	No
Anopheles A	ANAV	<i>Orthobunyavirus</i>	2	S	Anopheles A	No
Anopheles B	ANBV	<i>Orthobunyavirus</i>	2	S	Anopheles B	No
Antequera	ANTV	<i>Bunyaviridae</i>	2	IE	Resistencia	No
Apeu	APEUV	<i>Orthobunyavirus</i>	2	S	C <sup>f</sup>	No
Apoi	APOIV	<i>Flavivirus</i>	2	S	B <sup>f</sup>	No
Araguari	ARAV	Unassigned	3	IE		No
Aransas Bay	ABV	<i>Bunyaviridae</i>	2	IE	UPOLU	No
Arbia	ARBV	<i>Phlebovirus</i>	2	IE	Phlebotomus Fever	No
Arboledas	ADSV	<i>Phlebovirus</i>	2	A7	Phlebotomus Fever	No
Aride	ARIV	Unassigned	2	S		No
Ariquemes	ARQV	<i>Phlebovirus</i>	2	A7	Phlebotomus Fever	No
Arkonam	ARKV	<i>Orbivirus</i>	2	S	Ieri	No
Armero	ARMV	<i>Phlebovirus</i>	2	A7	Phlebotomus Fever	No
Aroa	AROAV	<i>Flavivirus</i>	2	S	B <sup>f</sup>	No
Aruac	ARUV	<i>Rhabdoviridae</i>	2	S		No
Arumateua	ARMTV	<i>Orthobunyavirus</i>	2	A7		No
Arumowot	AMTV	<i>Phlebovirus</i>	2	S	Phlebotomus Fever	No
Aura	AURAV	<i>Alphavirus</i>	2	S	A <sup>f</sup>	No
Avalon	AVAV	<i>Nairovirus</i>	2	S	Sakhalin	No
Babahoyo	BABV	<i>Orthobunyavirus</i>	2	A7	Patois	No
Babanki	BBKV	<i>Alphavirus</i>	2	A7	A <sup>f</sup>	No
Bagaza	BAGV	<i>Flavivirus</i>	2	S	B <sup>f</sup>	No
Bahig	BAHV	<i>Orthobunyavirus</i>	2	S	Tete	No
Bakau	BAKV	<i>Orthobunyavirus</i>	2	S	Bakau	No
Baku	BAKUV	<i>Orbivirus</i>	2	S	Kemerovo	No

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NAME	ACRONYM	TAXONOMIC STATUS (FAMILY OR GENUS)	RECOMMENDED BIOSAFETY LEVEL	BASIS OF RATING	ANTIGENIC GROUP	HEPA FILTRATION ON LAB EXHAUST
Bandia	BDAV	<i>Nairovirus</i>	2	S	Qalyub	No
Bangoran	BGNV	<i>Rhabdoviridae</i>	2	S		No
Bangui	BGIV	<i>Bunyaviridae</i>	2	S		No
Banzi	BANV	<i>Flavivirus</i>	2	S	B <sup>f</sup>	No
Barmah Forest	BFV	<i>Alphavirus</i>	2	A7	A <sup>f</sup>	No
Barranqueras	BQSV	<i>Bunyaviridae</i>	2	IE	Resistencia	No
Barur	BARV	<i>Rhabdoviridae</i>	2	S	Kern Canyon	No
Batai	BATV	<i>Orthobunyavirus</i>	2	S	Bunyamwera	No
Batama	BMAV	<i>Orthobunyavirus</i>	2	A7	Tete	No
Batken	BKNV	<i>Thogotovirus</i>	2	IE		No
Bauline	BAUV	<i>Orbivirus</i>	2	S	Kemerovo	No
Bear Canyon	BRCV	<i>Arenavirus</i>	3	A7		No
Bebaru	BEBV	<i>Alphavirus</i>	2	S	A <sup>f</sup>	No
Belem	BLMV	<i>Bunyaviridae</i>	2	IE		No
Belmont	BELV	<i>Bunyaviridae</i>	2	S		No
Belterra	BELTV	<i>Phlebovirus</i>	2	A7	Phlebotomus Fever	No
Benevides	BENV	<i>Orthobunyavirus</i>	2	A7	Capim	No
Benfica	BENV	<i>Orthobunyavirus</i>	2	A7	Capim	No
Bermejo	BMJV	<i>Hantavirus</i>	3	IE	Hantaan	No
Berrimah	BRMV	<i>Lyssavirus</i>	2	IE	Bovine Ephemeral Fever	No
Beritoga	BERV	<i>Orthobunyavirus</i>	2	S	Guama	No
Bhanja	BHAV	<i>Bunyaviridae</i>	3	S	Bhanja	No
Bimbo	BBOV	<i>Rhabdoviridae</i>	2	IE		No
Bimitti	BIMV	<i>Orthobunyavirus</i>	2	S	Guama	No
Birao	BIRV	<i>Orthobunyavirus</i>	2	S	Bunyamwera	No
Bluetongue (exotic serotypes)	BTV	<i>Orbivirus</i>	3 <sup>c</sup>	S	Bluetongue	No

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Bluetongue (non-exotic)	BTV	<i>Orbivirus</i>	2 <sup>c</sup>	S	Bluetongue	No
Bobaya	BOBV	<i>Bunyaviridae</i>	2	IE		No
Bobia	BIAV	<i>Orthobunyavirus</i>	2	IE	Olifantsylei	No
Boraceia	BORV	<i>Orthobunyavirus</i>	2	S	Anopheles B	No
Botambi	BOTV	<i>Orthobunyavirus</i>	2	S	Olifantsylei	No
Boteke	BTKV	<i>Vesiculovirus</i>	2	S	Vesicular Stomatitis	No
Bouboui	BOUV	<i>Flavivirus</i>	2	S	B <sup>f</sup>	No
Bovine Ephemeral Fever	BEFV	<i>Lyssavirus</i>	3 <sup>c</sup>	A1	Bovine Ephemeral Fever	No
Bozo	BOZOV	<i>Orthobunyavirus</i>	2	A7	Bunyamwera	No
Breu Branco	BRBV	<i>Orbivirus</i>	2	A7		No
Buenaventura	BUEV	<i>Phlebovirus</i>	2	IE	Phlebotomus Fever	No
Bujaru	BUJV	<i>Phlebovirus</i>	2	S	Phlebotomus Fever	No
Bunyamwera	BUNV	<i>Orthobunyavirus</i>	2	S	Bunyamwera	No
Bunyip Creek	BCV	<i>Orbivirus</i>	2	S	Palyam	No
Burg El Arab	BEAV	<i>Rhabdoviridae</i>	2	S	Matariva	No
Bushbush	BSBV	<i>Orthobunyavirus</i>	2	S	Capim	No
Bussuquara	BSQV	<i>Flavivirus</i>	2	S	B <sup>f</sup>	No
Buttonwillow	BUTV	<i>Orthobunyavirus</i>	2	S	Simbu	No
Bwamba	BWAV	<i>Orthobunyavirus</i>	2	S	Bwamba	No
Cabassou	CABV	<i>Alphavirus</i>	3	IE	A <sup>f</sup>	Yes
Cacao	CACV	<i>Phlebovirus</i>	2	S	Phlebotomus Fever	No
Cache Valley	CVV	<i>Orthobunyavirus</i>	2	S	Bunyamwera	No
Cacipacore	CPCV	<i>Flavivirus</i>	2	IE	B <sup>f</sup>	No
Caimito	CAIV	<i>Phlebovirus</i>	2	S	Phlebotomus Fever	No
Calchaqui	CQIV	<i>Vesiculovirus</i>	2	A7	Vesicular Stomatitis	No
California Encephalitis	CEV	<i>Orthobunyavirus</i>	2	S	California	No

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Calovo	CVOV	<i>Orthobunyavirus</i>	2	S	Bunyamwera	No
Cananea	CNAV	<i>Orthobunyavirus</i>	2	IE	GUAMA	No
Candiru	CDUV	<i>Phlebovirus</i>	2	S	Phlebotomus Fever	No
Caninde	CANV	<i>Orbivirus</i>	2	IE	Changuinola	No
Cano Delgadito	CADV	<i>Hantavirus</i>	3 <sup>a</sup>	IE	Hantaan	No
Cape Wrath	CWV	<i>Orbivirus</i>	2	S	Kemerovo	No
Capim	CAPV	<i>Orthobunyavirus</i>	2	S	Capim	No
Caraipe	CRPV	<i>Orthobunyavirus</i>	2	A7		No
Carajas	CRJV	<i>Vesiculovirus</i>	2	A7	Vesicular Stomatitis	No
Caraparu	CARV	<i>Orthobunyavirus</i>	2	S	C <sup>f</sup>	No
Carey Island	CIV	<i>Flavivirus</i>	2	S	B <sup>f</sup>	No
Catu	CATUV	<i>Orthobunyavirus</i>	2	S	Guama	No
Chaco	CHOV	<i>Rhabdoviridae</i>	2	S	Timbo	No
Chagres	CHGV	<i>Phlebovirus</i>	2	S	Phlebotomus Fever	No
Chandipura	CHPV	<i>Vesiculovirus</i>	2	S	Vesicular Stomatitis	No
Changuinola	CGLV	<i>Orbivirus</i>	2	S	Changuinola	No
Charleville	CHVV	<i>Lyssavirus</i>	2	S	Rab	No
Chenuda	CNUV	<i>Orbivirus</i>	2	S	Kemerovo	No
Chikungunya	CHIKV	<i>Alphavirus</i>	3	S	A <sup>f</sup>	Yes
Chilibre	CHIV	<i>Phlebovirus</i>	2	S	Phlebotomus Fever	No
Chim	CHIMV	<i>Bunyaviridae</i>	2	IE		No
Chobar Gorge	CGV	<i>Orbivirus</i>	2	S	Chobar Gorge	No
Clo Mor	CMV	<i>Nairovirus</i>	2	S	Sakhalin	No
Coastal Plains	CPV	<i>Lyssavirus</i>	2	IE	Tibrogargan	No
Cocal	COCV	<i>Vesiculovirus</i>	2	A3	Vesicular Stomatitis	No
Codajas	CDJV	<i>Orbivirus</i>	2	A7		No
Colorado Tick Fever	CTFV	<i>Coltivirus</i>	2	S	Colorado Tick Fever	No

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Congo-Crimean Hemorrhagic Fever	CCHFV	<i>Nairovirus</i>	4	A6	CCHF	Yes
Connecticut	CNTV	<i>Rhabdoviridae</i>	2	IE	Sawgrass	No
Corfou	CFUV	<i>Phlebovirus</i>	2	A7	Phlebotomus Fever	No
Corriparta	CORV	<i>Orbivirus</i>	2	S	Corriaparta	No
Cotia	CPV	<i>Poxviridae</i>	2	S		No
Cowbone Ridge	CRV	<i>Flavivirus</i>	2	S	B <sup>f</sup>	No
Csiro Village	CVGV	<i>Orbivirus</i>	2	S	Palyam	No
Cuiaba	CUIV	<i>Rhabdoviridae</i>	2	S		No
Curionopolis	CRNPV	<i>Rhabdoviridae</i>	2	A7		No
Dabakala	DABV	<i>Orthobunyavirus</i>	2	A7	Olifantsylei	No
D'Aguiar	DAGV	<i>Orbivirus</i>	2	S	Palyam	No
Dakar Bat Virus	DBV	<i>Flavivirus</i>	2	S	B <sup>f</sup>	No
Deer Tick Virus	DRTV	<i>Flavivirus</i>	3	A7		No
Dengue Virus Type 1	DENV-1	<i>Flavivirus</i>	2	S	B <sup>f</sup>	No
Dengue Virus Type 2	DENV-2	<i>Flavivirus</i>	2	S	B <sup>f</sup>	No
Dengue Virus Type 3	DENV-3	<i>Flavivirus</i>	2	S	B <sup>f</sup>	No
Dengue Virus Type 4	DENV-4	<i>Flavivirus</i>	2	S	B <sup>f</sup>	No
Dera Ghazi Khan	DGKV	<i>Nairovirus</i>	2	S	Dera Ghazi Khan	No
Dobrava-Belgrade	DOBV	<i>Hantavirus</i>	3 <sup>a</sup>	IE		No
Dhori	DHOV	<i>Orthomyxoviridae</i>	2	S		No
Douglas	DOUV	<i>Orthobunyavirus</i>	3	IE	Simbu	No
Durania	DURV	<i>Phlebovirus</i>	2	A7	Phlebotomus Fever	No
Dugbe	DUGV	<i>Nairovirus</i>	3	S	Nairobi Sheep Disease	No
Eastern Equine Encephalitis	EEEV	<i>Alphavirus</i>	3 <sup>c</sup>	S	A <sup>f</sup>	No
Ebola (Including Reston)	EBOV	<i>Filovirus</i>	4	S	EBO	Yes

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Edge Hill	EHV	<i>Flavivirus</i>	2	S	B <sup>f</sup>	No
Enseada	ENSV	<i>Bunyaviridae</i>	3	IE		No
Entebbe Bat	ENTV	<i>Flavivirus</i>	2	S	B <sup>f</sup>	No
Epizootic Hemorrhagic Disease	EHDV	<i>Orbivirus</i>	2	S	Epizootic Hemorrhagic Disease	No
Erve	ERVEV	<i>Bunyaviridae</i>	2	S	Thiafora	No
Estero Real	ERV	<i>Orthobunyavirus</i>	2	IE	Patois	No
Eubenangee	EUBV	<i>Orbivirus</i>	2	S	Eubenangee	No
Everglades	EVEV	<i>Alphavirus</i>	3	S	A <sup>f</sup>	Yes
Eyach	EYAV	<i>Coltivirus</i>	2	S	Colorado Tick Fever	No
Farmington	FRMV	<i>Vesiculovirus</i>	2	A7		No
Flanders	FLAV	<i>Rhabdoviridae</i>	2	S	Hart Park	No
Flexal	FLEV	<i>Arenavirus</i>	3	S	Tacaribe	No
Fomede	FV	<i>Orbivirus</i>	2	A7	Chobar Gorge	No
Forecariah	FORV	<i>Bunyaviridae</i>	2	A7	Bhanja	No
Fort Morgan	FMV	<i>Alphavirus</i>	2	S	A <sup>f</sup>	No
Fort Sherman	FSV	<i>Orthobunyavirus</i>	2	A7	Bunyamwera	No
Frijoles	FRIV	<i>Phlebovirus</i>	2	S	Phlebotomus Fever	No
Gabek Forest	GFV	<i>Phlebovirus</i>	2	A7	Phlebotomus Fever	No
Gadgets Gully	GGYV	<i>Flavivirus</i>	2	IE	B <sup>f</sup>	No
Gamboa	GAMV	<i>Orthobunyavirus</i>	2	S	Gamboa	No
Gan Gan	GGV	<i>Bunyaviridae</i>	2	A7	Mapputta	No
Garba	GARV	<i>Rhabdoviridae</i>	2	IE	Matariva	No
Garissa	GRSV	<i>Orthobunyavirus</i>	3	A7	Bunyamwera	No
Germiston	GERV	<i>Orthobunyavirus</i>	3	S	Bunyamwera	Yes
Getah	GETV	<i>Alphavirus</i>	2	A1	A <sup>f</sup>	No
Gomoka	GOMV	<i>Orbivirus</i>	2	S	Ieri	No

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Gordil	GORV	<i>Phlebovirus</i>	2	IE	Phlebotomus Fever	No
Gossas	GOSV	<i>Rhabdoviridae</i>	2	S		No
Grand Arbaud	GAV	<i>Phlebovirus</i>	2	S	Uukuniemi	No
Gray Lodge	GLOV	<i>Vesiculovirus</i>	2	IE	Vesicular Stomatitis	No
Great Island	GIV	<i>Orbivirus</i>	2	S	Kemerovo	No
Guajara	GJAV	<i>Orthobunyavirus</i>	2	S	Capim	No
Guama	GMAV	<i>Orthobunyavirus</i>	2	S	Guama	No
Guanarito	GTOV	<i>Arenavirus</i>	4	A4	Tacaribe	Yes
Guaratuba	GTBV	<i>Orthobunyavirus</i>	2	A7	Guama	No
Guaroa	GROV	<i>Orthobunyavirus</i>	2	S	California	No
Gumbo Limbo	GLV	<i>Orthobunyavirus</i>	2	S	C <sup>f</sup>	No
Gurupi	GURV	<i>Orbivirus</i>	2	IE	Changuinola	No
Hantaan	HTNV	<i>Hantavirus</i>	3 <sup>a</sup>	S	Hantaan	No
Hanzalova	HANV	<i>Flavivirus</i>	4	A4	B <sup>f</sup>	Yes
Hart Park	HPV	<i>Rhabdoviridae</i>	2	S	Hart Park	No
Hazara	HAZV	<i>Nairovirus</i>	2	S	CHF-Congo	No
Highlands J	HJV	<i>Alphavirus</i>	2	S	A <sup>f</sup>	No
Huacho	HUAV	<i>Orbivirus</i>	2	S	Kemerovo	No
Hughes	HUGV	<i>Nairovirus</i>	2	S	Hughes	No
Hypr	HYPRV	<i>Flavivirus</i>	4	S	B <sup>f</sup>	Yes
Iaco	IACOV	<i>Orthobunyavirus</i>	2	IE	Bunyamwera	No
Ibaraki	IBAV	<i>Orbivirus</i>	2	IE	Epizootic Hemorrhagic Disease	Yes
Icoaraci	ICOV	<i>Phlebovirus</i>	2	S	Phlebotomus Fever	No
Ieri	IERIV	<i>Orbivirus</i>	2	S	Ieri	No
Ife	IFEV	<i>Orbivirus</i> <sup>b</sup>	2	IE		No
Iguape	IGUV	<i>Flavivirus</i>	2	A7	B <sup>f</sup>	No



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Ilesha	ILEV	<i>Orthobunyavirus</i>	2	S	Bunyamwera	No
Ilheus	ILHV	<i>Flavivirus</i>	2	S	B <sup>f</sup>	No
Ingwavuma	INGV	<i>Orthobunyavirus</i>	2	S	Simbu	No
Inhangapi	INHV	<i>Rhabdoviridae</i>	2	IE		No
Inini	INIV	<i>Orthobunyavirus</i>	2	IE	Simbu	No
Inkoo	INKV	<i>Orthobunyavirus</i>	2	S	California	No
Ippy	IPPYV	<i>Arenavirus</i>	2	S	Tacaribe	No
Iriri	IRRV	<i>Rhabdoviridae</i>	2	A7		No
Irituia	IRIV	<i>Orbivirus</i>	2	S	Changuinola	No
Isfahan	ISFV	<i>Vesiculovirus</i>	2	S	Vesicular Stomatitis	No
Israel Turkey Meningitis	ITV	<i>Flavivirus</i>	2 with 3 practices	S	B <sup>f</sup>	No
Issyk-Kul	ISKV	<i>Bunyaviridae</i>	3	IE		No
Itacaiunas	ITCNV	<i>Rhabdoviridae</i>	2	A7		No
Itaituba	ITAV	<i>Phlebovirus</i>	2	IE	Phlebotomus Fever	No
Itaporanga	ITPV	<i>Phlebovirus</i>	2	S	Phlebotomus Fever	No
Itaqui	ITQV	<i>Orthobunyavirus</i>	2	S	C <sup>f</sup>	No
Itimirim	ITIV	<i>Orthobunyavirus</i>	2	IE	Guama	No
Itupiranga	ITUV	<i>Orbivirus</i> <sup>b</sup>	2	IE		No
Ixcanal	IXCV	<i>Phlebovirus</i>	2	A7	Phlebotomus Fever	No
Jacareacanga	JACV	<i>Orbivirus</i>	2	IE	Corriparta	No
Jacunda	JCNV	<i>Phlebovirus</i>	2	A7	Phlebotomus Fever	No
Jamanxi	JAMV	<i>Orbivirus</i>	2	IE	Changuinola	No
Jamestown Canyon	JCV	<i>Orthobunyavirus</i>	2	S	California	No
Japanaut	JAPV	<i>Orbivirus</i> <sup>b</sup>	2	S		No
Japanese Encephalitis	JEV	<i>Flavivirus</i>	3 <sup>c</sup>	S	B <sup>f</sup>	No
Jari	JARIV	<i>Orbivirus</i>	2	IE	Changuinola	No
Jatobal	JTBV	<i>Orthobunyavirus</i>	2	A7		No

Table 3 – Arboviruses and Related Zoonotic Viruses

NAME	ACRONYM	TAXONOMIC STATUS (FAMILY OR GENUS)	RECOMMENDED BIOSAFETY LEVEL	BASIS OF RATING	ANTIGENIC GROUP	HEPA FILTRATION ON LAB EXHAUST
Jerry Slough	JSV	<i>Orthobunyavirus</i>	2	S	California	No
Joa	JOAV	<i>Phlebovirus</i>	2	A7		No
Johnston Atoll	JAV	Unassigned	2	S	Quaranfil	No
Joinjakaka	JOIV	<i>Rhabdoviridae</i>	2	S		No
Juan Diaz	JDV	<i>Orthobunyavirus</i>	2	S	Capim	No
Jugra	JUGV	<i>Flavivirus</i>	2	S	B <sup>f</sup>	No
Junin	JUNV	<i>Arenavirus</i>	4	A6	Tacaribe	Yes
Jurona	JURV	<i>Vesiculovirus</i>	2	S	Vesicular Stomatitis	No
Juruaca	JRCV	<i>Picornavirus</i> <sup>b</sup>	2	A7		No
Jutiapa	JUTV	<i>Flavivirus</i>	2	S	B <sup>f</sup>	No
Kadam	KADV	<i>Flavivirus</i>	2	S	B <sup>f</sup>	No
Kaeng Khoi	KKV	<i>Orthobunyavirus</i> <sup>b</sup>	2	S		No
Kaikalur	KAIV	<i>Orthobunyavirus</i>	2	S	Simbu	No
Kairi	KRIV	<i>Orthobunyavirus</i>	2	A1	Bunyamwera	No
Kaisodi	KSOV	<i>Bunyaviridae</i>	2	S	Kaisodi	No
Kamese	KAMV	<i>Rhabdoviridae</i>	2	S	Hart Park	No
Kamiti River	KRV	<i>Flavivirus</i>	2	A7		No
Kammavanpettai	KMPV	<i>Orbivirus</i>	2	S		No
Kannamangalam	KANV	<i>Rhabdoviridae</i>	2	S		No
Kao Shuan	KSV	<i>Nairovirus</i>	2	S	Dera Ghazi Khan	No
Karimabad	KARV	<i>Phlebovirus</i>	2	S	Phlebotomus Fever	No
Karshi	KSIV	<i>Flavivirus</i>	2	S	B <sup>f</sup>	No
Kasba	KASV	<i>Orbivirus</i>	2	S	Palyam	No
Kedougou	KEDV	<i>Flavivirus</i>	2	A7	B <sup>f</sup>	No
Kemerovo	KEMV	<i>Orbivirus</i>	2	S	Kemerovo	No
Kern Canyon	KCV	<i>Rhabdoviridae</i>	2	S	Kern Canyon	No
Ketapang	KETV	<i>Orthobunyavirus</i>	2	S	Bakau	No

Table 3 – Arboviruses and Related Zoonotic Viruses

NAME	ACRONYM	TAXONOMIC STATUS (FAMILY OR GENUS)	RECOMMENDED BIOSAFETY LEVEL	BASIS OF RATING	ANTIGENIC GROUP	HEPA FILTRATION ON LAB EXHAUST
Keterah	KTRV	<i>Bunyaviridae</i>	2	S		No
Keuraliba	KEUV	<i>Rhabdoviridae</i>	2	S	Le Dantec	No
Keystone	KEYV	<i>Orthobunyavirus</i>	2	S	California	No
Khabarovsk	KHAV	<i>Hantavirus</i>	3 <sup>a</sup>	IE	Hantaan	No
Khasan	KHAV	<i>Nairovirus</i>	2	IE	CCHF	No
Kimberley	KIMV	<i>Lyssavirus</i>	2	A7	Bovine Ephemeral Fever	No
Kindia	KINV	<i>Orbivirus</i>	2	A7	Palyam	No
Kismayo	KISV	<i>Bunyaviridae</i>	2	S	Bhanja	No
Klamath	KLAV	<i>Vesiculovirus</i>	2	S	Vesicular Stomatitis	No
Kokobera	KOKV	<i>Flavivirus</i>	2	S	B <sup>f</sup>	No
Kolongo	KOLV	<i>Lyssavirus</i>	2	S	Rab	No
Koongol	KOOV	<i>Orthobunyavirus</i>	2	S	Koongol	No
Kotonkan	KOTV	<i>Lyssavirus</i>	2	S	Rab	No
Koutango	KOUV	<i>Flavivirus</i>	3	S	B <sup>f</sup>	No
Kowanyama	KOWV	<i>Bunyaviridae</i>	2	S		No
Kumlinge	KUMV	<i>Flavivirus</i>	4	A4	B <sup>f</sup>	Yes
Kunjin	KUNV	<i>Flavivirus</i>	2	S	B <sup>f</sup>	No
Kununurra	KNAV	<i>Rhabdoviridae</i>	2	S		No
Kwatta	KWAV	<i>Vesiculovirus</i>	2	S	Vesicular Stomatitis	No
Kyasanur Forest Disease	KFDV	<i>Flavivirus</i>	4	S	B <sup>f</sup>	Yes
Kyzylgach	KYZV	<i>Alphavirus</i>	2	IE	A <sup>f</sup>	No
La Crosse	LACV	<i>Orthobunyavirus</i>	2	S	California	No
Lagos Bat	LBV	<i>Lyssavirus</i>	2	S	Rab	No
Laguna Negra	LANV	<i>Hantavirus</i>	3 <sup>a</sup>	IE		No
La Joya	LJV	<i>Vesiculovirus</i>	2	S	Vesicular Stomatitis	No
Lake Clarendon	LCV	<i>Orbivirus</i> <sup>b</sup>	2	IE		No

Table 3 – Arboviruses and Related Zoonotic Viruses

NAME	ACRONYM	TAXONOMIC STATUS (FAMILY OR GENUS)	RECOMMENDED BIOSAFETY LEVEL	BASIS OF RATING	ANTIGENIC GROUP	HEPA FILTRATION ON LAB EXHAUST
Landjia	LJAV	<i>Rhabdoviridae</i>	2	S		No
Langat	LGTV	<i>Flavivirus</i>	2	S	B <sup>f</sup>	No
Lanjan	LJNV	<i>Bunyaviridae</i>	2	S	Kaisodi	No
Las Maloyas	LMV	<i>Orthobunyavirus</i>	2	A7	Anopheles A	No
Lassa	LASV	<i>Arenavirus</i>	4	S	Tacaribe	Yes
Latino	LATV	<i>Arenavirus</i>	2	A5	Tacaribe	No
Lebombo	LEBV	<i>Orbivirus</i>	2	S		No
Lechiguanas	LECHV	<i>Hantavirus</i>	3 <sup>a</sup>	IE	Hantaan	No
Le Dantec	LDV	<i>Rhabdoviridae</i>	2	S	Le Dantec	No
Lednice	LEDV	<i>Orthobunyavirus</i>	2	A7	Turlock	No
Lipovnik	LIPV	<i>Orbivirus</i>	2	S	Kemerovo	No
Llano Seco	LLSV	<i>Orbivirus</i>	2	IE	Umatilla	No
Lokern	LOKV	<i>Orthobunyavirus</i>	2	S	Bunyamwera	No
Lone Star	LSV	<i>Bunyaviridae</i>	2	S		No
Louping Ill	LIV	<i>Flavivirus</i>	3 <sup>c</sup>	S	B <sup>f</sup>	Yes
Lukuni	LUKV	<i>Orthobunyavirus</i>	2	S	Anopheles A	No
Macaua	MCAV	<i>Orthobunyavirus</i>	2	IE	Bunyamwera	No
Machupo	MACV	<i>Arenavirus</i>	4	S	Tacaribe	Yes
Madrid	MADV	<i>Orthobunyavirus</i>	2	S	C <sup>f</sup>	No
Maguari	MAGV	<i>Orthobunyavirus</i>	2	S	Bunyamwera	No
Mahogany Hammock	MHV	<i>Orthobunyavirus</i>	2	S	Guama	No
Main Drain	MDV	<i>Orthobunyavirus</i>	2	S	Bunyamwera	No
Malakal	MALV	<i>Lyssavirus</i>	2	S	Bovine Ephemeral Fever	No
Manawa	MWAV	<i>Phlebovirus</i>	2	S	Uukumiemi	No
Manitoba	MNTBV	<i>Rhabdoviridae</i>	2	A7		No
Manzanilla	MANV	<i>Orthobunyavirus</i>	2	S	Simbu	No

Table 3 – Arboviruses and Related Zoonotic Viruses

NAME	ACRONYM	TAXONOMIC STATUS (FAMILY OR GENUS)	RECOMMENDED BIOSAFETY LEVEL	BASIS OF RATING	ANTIGENIC GROUP	HEPA FILTRATION ON LAB EXHAUST
Mapputta	MAPV	<i>Bunyaviridae</i>	2	S	Mapputta	No
Maporal	MPRLV	<i>Hantavirus</i>	3 <sup>a</sup>	IE	Hantaan	No
Maprik	MPKV	<i>Bunyaviridae</i>	2	S	Mapputta	No
Maraba	MARAV	<i>Vesiculovirus</i>	2	A7		No
Marajo	MRJV	Unassigned	2	IE		No
Marburg	MARV	<i>Filovirus</i>	4	S	Marburg	Yes
Marco	MCOV	<i>Rhabdoviridae</i>	2	S		No
Mariquita	MRQV	<i>Phlebovirus</i>	2	A7	Phlebotomus Fever	No
Marituba	MTBV	<i>Orthobunyavirus</i>	2	S	C <sup>f</sup>	No
Marrakai	MARV	<i>Orbivirus</i>	2	S	Palyam	No
Matariya	MTYV	<i>Rhabdoviridae</i>	2	S	Matariva	No
Matruh	MTRV	<i>Orthobunyavirus</i>	2	S	Tete	No
Matucare	MATV	<i>Orbivirus</i>	2	S		No
Mayaro	MAYV	<i>Alphavirus</i>	2	S	A <sup>f</sup>	No
Mboke	MBOV	<i>Orthobunyavirus</i>	2	A7	Bunyamwera	No
Meaban	MEAV	<i>Flavivirus</i>	2	IE	B <sup>f</sup>	No
Melao	MELV	<i>Orthobunyavirus</i>	2	S	California	No
Mermet	MERV	<i>Orthobunyavirus</i>	2	S	Simbu	No
Middelburg	MIDV	<i>Alphavirus</i>	2	A1	A <sup>f</sup>	No
Minatitlan	MNTV	<i>Orthobunyavirus</i>	2	S	Minatitlan	No
Minnal	MINV	<i>Orbivirus</i>	2	S	Umatilla	No
Mirim	MIRV	<i>Orthobunyavirus</i>	2	S	Guama	No
Mitchell River	MRV	<i>Orbivirus</i>	2	S		No
Mobala	MOBV	<i>Arenavirus</i>	3	A7	Tacaribe	No
Modoc	MODV	<i>Flavivirus</i>	2	S	B <sup>f</sup>	No
Moju	MOJUV	<i>Orthobunyavirus</i>	2	S	Guama	No
Mojui Dos Campos	MDCV	<i>Orthobunyavirus</i>	2	IE		No

Table 3 – Arboviruses and Related Zoonotic Viruses

NAME	ACRONYM	TAXONOMIC STATUS (FAMILY OR GENUS)	RECOMMENDED BIOSAFETY LEVEL	BASIS OF RATING	ANTIGENIC GROUP	HEPA FILTRATION ON LAB EXHAUST
Mono Lake	MLV	<i>Orbivirus</i>	2	S	Kemerovo	No
Mont. Myotis Leukemia	MMLV	<i>Flavivirus</i>	2	S	B <sup>f</sup>	No
Monte Dourado	MDOV	<i>Orbivirus</i>	2	IE	Changuinola	No
Mopeia	MOPV	<i>Arenavirus</i>	3	A7		No
Moriche	MORV	<i>Orthobunyavirus</i>	2	S	Capim	No
Morro Bay	MBV	<i>Orthobunyavirus</i>	2	IE	California	No
Morumbi	MRMBV	<i>Phlebovirus</i>	2	A7	Phlebotomus Fever	No
Mosqueiro	MQOV	<i>Rhabdoviridae</i>	2	A7	Hart Park	No
Mossuril	MOSV	<i>Rhabdoviridae</i>	2	S	Hart Park	No
Mount Elgon Bat	MEBV	<i>Vesiculovirus</i>	2	S	Vesicular Stomatitis	No
M'Poko	MPOV	<i>Orthobunyavirus</i>	2	S	Turlock	No
Mucambo	MUCV	<i>Alphavirus</i>	3	S	A <sup>f</sup>	Yes
Mucura	MCRV	<i>Phlebovirus</i>	2	A7	Phlebotomus Fever	No
Munguba	MUNV	<i>Phlebovirus</i>	2	IE	Phlebotomus Fever	No
Murray Valley Encephalitis	MVEV	<i>Flavivirus</i>	3	S	B <sup>f</sup>	No
Murutucu	MURV	<i>Orthobunyavirus</i>	2	S	C <sup>f</sup>	No
Mykines	MYKV	<i>Orbivirus</i>	2	A7	Kemerovo	No
Nairobi Sheep Disease <sup>e</sup>	NSDV	<i>Nairovirus</i>	3 <sup>c</sup>	A1	Nairobi Sheep Disease	No
Naranjal	NJLV	<i>Flavivirus</i>	2	IE	B <sup>f</sup>	No
Nariva	NARV	<i>Paramyxoviridae</i>	2	IE		No
Nasoule	NASV	<i>Lyssavirus</i>	2	A7	Rab	No
Navarro	NAVV	<i>Rhabdoviridae</i>	2	S		No
Ndelle	NDEV	<i>Orthoreovirus</i>	2	A7	Ndelle	No
Ndumu	NDUV	<i>Alphavirus</i>	2	A1	A <sup>f</sup>	No
Negishi	NEGV	<i>Flavivirus</i>	3	S	B <sup>f</sup>	No
Nepuyo	NEPV	<i>Orthobunyavirus</i>	2	S	C <sup>f</sup>	No

Table 3 – Arboviruses and Related Zoonotic Viruses

NAME	ACRONYM	TAXONOMIC STATUS (FAMILY OR GENUS)	RECOMMENDED BIOSAFETY LEVEL	BASIS OF RATING	ANTIGENIC GROUP	HEPA FILTRATION ON LAB EXHAUST
Netivot	NETV	<i>Orbivirus</i>	2	A7		No
New Minto	NMV	<i>Rhabdoviridae</i>	2	IE	Sawgrass	No
Ngaingan	NGAV	<i>Lyssavirus</i>	2	S	Tibrogargan	No
Ngari <sup>d</sup>	NRIV	<i>Orthobunyavirus</i>	3	A7	Bunyamera	No
Ngoupe	NGOV	<i>Orbivirus</i>	2	A7	Eubenangee	No
Nique	NIQV	<i>Phlebovirus</i>	2	S	Phlebotomus Fever	No
Nkolbisson	NKOV	<i>Rhabdoviridae</i>	2	S	Kern Canyon	No
Nodamura	NOV	<i>Alphanodavirus</i>	2	IE		No
Nola	NOLAV	<i>Orthobunyavirus</i>	2	S	Bakau	No
Northway	NORV	<i>Orthobunyavirus</i>	2	IE	Bunyamwera	No
Ntaya	NTAV	<i>Flavivirus</i>	2	S	B <sup>f</sup>	No
Nugget	NUGV	<i>Orbivirus</i>	2	S	Kemerovo	No
Nyamanini	NYMV	Unassigned	2	S	Nyamanini	No
Nyando	NDV	<i>Orthobunyavirus</i>	2	S	Nyando	No
Oak Vale	OVV	<i>Rhabdoviridae</i>	2	A7		No
Odrenisrou	ODRV	<i>Phlebovirus</i>	2	A7	Phlebotomus Fever	No
Okhotskiy	OKHV	<i>Orbivirus</i>	2	S	Kemerovo	No
Okola	OKOV	<i>Bunyaviridae</i>	2	S	Tanga	No
Olifantsvlei	OLIV	<i>Orthobunyavirus</i>	2	S	Olifantsylei	No
Omo	OMOV	<i>Nairovirus</i>	2	A7	Qalyub	No
Omsk Hemorrhagic Fever	OHFV	<i>Flavivirus</i>	4	S	B <sup>f</sup>	Yes
O’Nyong-Nyong	ONNV	<i>Alphavirus</i>	2	S	A <sup>f</sup>	Yes
Oran	ORANV	<i>Hantavirus</i>	3 <sup>a</sup>	IE	Hantaan	No
Oriboca	ORIV	<i>Orthobunyavirus</i>	2	S	C <sup>f</sup>	No
Oriximina	ORXV	<i>Phlebovirus</i>	2	IE	Phlebotomus Fever	No
Oropouche	OROV	<i>Orthobunyavirus</i>	3	S	Simbu	Yes
Orungo	ORUV	<i>Orbivirus</i>	2	S	Orungo	No

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NAME	ACRONYM	TAXONOMIC STATUS (FAMILY OR GENUS)	RECOMMENDED BIOSAFETY LEVEL	BASIS OF RATING	ANTIGENIC GROUP	HEPA FILTRATION ON LAB EXHAUST
Ossa	OSSAV	<i>Orthobunyavirus</i>	2	S	C <sup>f</sup>	No
Ouango	OuAV	<i>Rhabdoviridae</i>	2	IE		No
Oubangui	OUBV	<i>Poxviridae</i>	2	IE		No
Oubi	OUBIV	<i>Orthobunyavirus</i>	2	A7	Olifantsylei	No
Ourem	OURV	<i>Orbivirus</i>	2	IE	Changuinola	No
Pacora	PCAV	<i>Bunyaviridae</i>	2	S		No
Pacui	PACV	<i>Phlebovirus</i>	2	S	Phlebotomus Fever	No
Pahayokee	PAHV	<i>Orthobunyavirus</i>	2	S	Patois	No
Palma	PMAV	<i>Bunyaviridae</i>	2	IE	Bhanja	No
Palestina	PLSV	<i>Orthobunyavirus</i>	2	IE	Minatitlan	No
Palyam	PALV	<i>Orbivirus</i>	2	S	Palyam	No
Para	PARAV	<i>Orthobunyavirus</i>	2	IE	Simbu	No
Paramushir	PMRV	<i>Nairovirus</i>	2	IE	Sakhalin	No
Parana	PARV	<i>Arenavirus</i>	2	A5	Tacaribe	No
Paroo River	PRV	<i>Orbivirus</i>	2	IE		No
Pata	PATAV	<i>Orbivirus</i>	2	S		No
Pathum Thani	PTHV	<i>Nairovirus</i>	2	S	Dera Ghazi Khan	No
Patois	PATV	<i>Orthobunyavirus</i>	2	S	Patois	No
Peaton	PEAV	<i>Orthobunyavirus</i>	2	A1	Simbu	No
Pergamino	PRGV	<i>Hantavirus</i>	3 <sup>a</sup>	IE		No
Perinet	PERV	<i>Vesiculovirus</i>	2	A7	Vesicular Stomatitis	No
Petevo	PETV	<i>Orbivirus</i>	2	A7	Palyam	No
Phnom-Penh Bat	PPBV	<i>Flavivirus</i>	2	S	B <sup>f</sup>	No
Pichinde	PICV	<i>Arenavirus</i>	2	A5	Tacaribe	No
Picola	PIAV	<i>Orbivirus</i>	2	IE	Wongorr	No
Pirital	PIRV	<i>Arenavirus</i>	3	IE		No
Piry	PIRYV	<i>Vesiculovirus</i>	3	S	Vesicular Stomatitis	No



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NAME	ACRONYM	TAXONOMIC STATUS (FAMILY OR GENUS)	RECOMMENDED BIOSAFETY LEVEL	BASIS OF RATING	ANTIGENIC GROUP	HEPA FILTRATION ON LAB EXHAUST
Pixuna	PIXV	<i>Alphavirus</i>	2	S	A <sup>f</sup>	No
Playas	PLAV	<i>Orthobunyavirus</i>	2	IE	Bunyamwera	No
Pongola	PGAV	<i>Orthobunyavirus</i>	2	S	Bwamba	No
Ponteves	PTVV	<i>Phlebovirus</i>	2	A7	Uukuniemi	No
Potosi	POTV	<i>Orthobunyavirus</i>	2	IE	Bunyamwera	No
Powassan	POWV	<i>Flavivirus</i>	3	S	B <sup>f</sup>	No
Precarious Point	PPV	<i>Phlebovirus</i>	2	A7	Uukuniemi	No
Pretoria	PREV	<i>Nairovirus</i>	2	S	Dera Ghazi Khan	No
Prospect Hill	PHV	<i>Hantavirus</i>	2	A8	Hantaan	No
Puchong	PUCV	<i>Lyssavirus</i>	2	S	Bovine Ephemeral Fever	No
Pueblo Viejo	PVV	<i>Orthobunyavirus</i>	2	IE	Gamboia	No
Punta Salinas	PSV	<i>Nairovirus</i>	2	S	Hughes	No
Punta Toro	PTV	<i>Phlebovirus</i>	2	S	Phlebotomus Fever	No
Purus	PURV	<i>Orbivirus</i>	2	IE	Changuinola	No
Puumala	PUUV	<i>Hantavirus</i>	3 <sup>a</sup>	IE	Hantaan	No
Qalyub	QYBV	<i>Nairovirus</i>	2	S	Qalyub	No
Quaranfil	QRFV	Unassigned	2	S	Quaranfil	No
Radi	RADIV	<i>Vesiculovirus</i>	2	A7	Vesicular Stomatitis	No
Razdan	RAZV	<i>Bunyaviridae</i>	2	IE		No
Resistencia	RTAV	<i>Bunyaviridae</i>	2	IE	Resistencia	No
Restan	RESV	<i>Orthobunyavirus</i>	2	S	C <sup>f</sup>	No
Rhode Island	RHIV	<i>Rhabdoviridae</i>	2	A7		No
Rift Valley Fever	RVFV	<i>Phlebovirus</i>	3 <sup>c</sup>	S	Phlebotomus Fever	Yes
Rio Bravo	RBV	<i>Flavivirus</i>	2	S	B <sup>f</sup>	No
Rio Grande	RGV	<i>Phlebovirus</i>	2	S	Phlebotomus Fever	No
Rio Preto	RIOPV	Unassigned	2	IE		No

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NAME	ACRONYM	TAXONOMIC STATUS (FAMILY OR GENUS)	RECOMMENDED BIOSAFETY LEVEL	BASIS OF RATING	ANTIGENIC GROUP	HEPA FILTRATION ON LAB EXHAUST
Rochambeau	RBUV	<i>Lyssavirus</i>	2	IE	Rab	No
Rocio	ROCV	<i>Flavivirus</i>	3	S	B <sup>f</sup>	Yes
Ross River	RRV	<i>Alphavirus</i>	2	S	A <sup>f</sup>	No
Royal Farm	RFV	<i>Flavivirus</i>	2	S	B <sup>f</sup>	No
Russian Spring-Summer Encephalitis	RSSEV	<i>Flavivirus</i>	4	S	B <sup>f</sup>	Yes
Saaremaa	SAAV	<i>Hantavirus</i>	3 <sup>a</sup>	IE	Hantaan	No
Sabia	SABV	<i>Arenavirus</i>	4	A4		Yes
Sabo	SABOV	<i>Orthobunyavirus</i>	2	S	Simbu	No
Saboya	SABV	<i>Flavivirus</i>	2	S	B <sup>f</sup>	No
Sagiyama	SAGV	<i>Alphavirus</i>	2	A1	A <sup>f</sup>	No
Saint-Floris	SAFV	<i>Phlebovirus</i>	2	S	Phlebotomus Fever	No
Sakhalin	SAKV	<i>Nairovirus</i>	2	S	Sakhalin	No
Salanga	SGAV	<i>Poxviridae</i>	2	IE	SGA	No
Salehabad	SALV	<i>Phlebovirus</i>	2	S	Phlebotomus Fever	No
Salmon River	SAVV	<i>Coltivirus</i>	2	IE	Colorado Tick Fever	No
Sal Vieja	SVV	<i>Flavivirus</i>	2	A7	B <sup>f</sup>	No
San Angelo	SAV	<i>Orthobunyavirus</i>	2	S	California	No
Sandfly Fever, Naples	SFNV	<i>Phlebovirus</i>	2	S	Phlebotomus Fever	No
Sandfly Fever, Sicilian	SFSV	<i>Phlebovirus</i>	2	S	Phlebotomus Fever	No
Sandjimba	SJAV	<i>Lyssavirus</i>	2	S	Rab	No
Sango	SANV	<i>Orthobunyavirus</i>	2	S	Simbu	No
San Juan	SJV	<i>Orthobunyavirus</i>	2	IE	Gamboia	No
San Perlita	SPV	<i>Flavivirus</i>	2	A7	B <sup>f</sup>	No
Santarem	STMV	<i>Bunyaviridae</i>	2	IE		No
Santa Rosa	SARV	<i>Orthobunyavirus</i>	2	IE	Bunyamwera	No
Saraca	SRAV	<i>Orbivirus</i>	2	IE	Changuinola	No

Table 3 – Arboviruses and Related Zoonotic Viruses

NAME	ACRONYM	TAXONOMIC STATUS (FAMILY OR GENUS)	RECOMMENDED BIOSAFETY LEVEL	BASIS OF RATING	ANTIGENIC GROUP	HEPA FILTRATION ON LAB EXHAUST
Sathuperi	SATV	<i>Orthobunyavirus</i>	2	S	Simbu	No
Saumarez Reef	SREV	<i>Flavivirus</i>	2	IE	B <sup>f</sup>	No
Sawgrass	SAWV	<i>Rhabdoviridae</i>	2	S	Sawgrass	No
Sebokele	SEBV	Unassigned	2	S		No
Sedlec	SEDV	<i>Bunyaviridae</i>	2	A7		No
Seletar	SELV	<i>Orbivirus</i>	2	S	Kemerovo	No
Sembalam	SEMV	Unassigned	2	S		No
Semliki Forest	SFV	<i>Alphavirus</i>	3	A2	A <sup>f</sup>	No
Sena Madureira	SMV	<i>Rhabdoviridae</i>	2	IE	Timbo	No
Seoul	SEOV	<i>Hantavirus</i>	3 <sup>a</sup>	IE	Hantaan	No
Sepik	SEPV	<i>Flavivirus</i>	2	IE	B <sup>f</sup>	No
Serra Do Navio	SDNV	<i>Orthobunyavirus</i>	2	A7	California	No
Serra Norte	SRNV	<i>Phlebovirus</i>	2	A7		No
Shamonda	SHAV	<i>Orthobunyavirus</i>	2	S	Simbu	No
Shark River	SRV	<i>Orthobunyavirus</i>	2	S	Patois	No
Shokwe	SHOV	<i>Orthobunyavirus</i>	2	IE	Bunyamwera	No
Shuni	SHUV	<i>Orthobunyavirus</i>	2	S	Simbu	No
Silverwater	SILV	<i>Bunyaviridae</i>	2	S	Kaisodi	No
Simbu	SIMV	<i>Orthobunyavirus</i>	2	S	Simbu	No
Simian Hemorrhagic Fever	SHFV	<i>Arterivirus</i>	2	2	Simian Hemorrhagic Fever	No
Sindbis	SINV	<i>Alphavirus</i>	2	S	A <sup>f</sup>	No
Sin Nombre	SNV	<i>Hantavirus</i>	3 <sup>a</sup>	IE	Hantaan	No
Sixgun City	SCV	<i>Orbivirus</i>	2	S	Kemerovo	No
Slovakia	SLOV	Unassigned	3	IE		No
Snowshoe Hare	SSHV	<i>Orthobunyavirus</i>	2	S	California	No
Sokoluk	SOKV	<i>Flavivirus</i>	2	S	B <sup>f</sup>	No

Table 3 – Arboviruses and Related Zoonotic Viruses

NAME	ACRONYM	TAXONOMIC STATUS (FAMILY OR GENUS)	RECOMMENDED BIOSAFETY LEVEL	BASIS OF RATING	ANTIGENIC GROUP	HEPA FILTRATION ON LAB EXHAUST
Soldado	SOLV	<i>Nairovirus</i>	2	S	Hughes	No
Somone	SOMV	Unassigned	3	IE	Somone	No
Sororoca	SORV	<i>Orthobunyavirus</i>	2	S	Bunyamwera	No
Spondweni	SPOV	<i>Flavivirus</i>	2	S	B <sup>f</sup>	No
Sripur	SRIV	<i>Rhabdoviridae</i>	3	IE		No
St. Louis Encephalitis	SLEV	<i>Flavivirus</i>	3	S	B <sup>f</sup>	No
Stratford	STRV	<i>Flavivirus</i>	2	S	B <sup>f</sup>	No
Sunday Canyon	SCAV	<i>Bunyaviridae</i>	2	S		No
Tacaiuma	TCMV	<i>Orthobunyavirus</i>	2	S	Anopheles A	No
Tacaribe	TCRV	<i>Arenavirus</i>	2	A5	Tacaribe	No
Taggert	TAGV	<i>Nairovirus</i>	2	S	Sakhalin	No
Tahyna	TAHV	<i>Orthobunyavirus</i>	2	S	California	No
Tai	TAIV	<i>Bunyaviridae</i>	2	A7	Bunyamwera	No
Tamdy	TDYV	<i>Bunyaviridae</i>	2	IE		No
Tamiami	TAMV	<i>Arenavirus</i>	2	A5	Tacaribe	No
Tanga	TANV	<i>Bunyaviridae</i>	2	S	Tanga	No
Tanjong Rabok	TRV	<i>Orthobunyavirus</i>	2	S	Bakau	No
Tapara	TAPV	<i>Phlebovirus</i>	2	A7		No
Tataguine	TATV	<i>Bunyaviridae</i>	2	S		No
Tehran	THEV	<i>Phlebovirus</i>	2	A7	Phlebotomus Fever	No
Telok Forest	TFV	<i>Orthobunyavirus</i>	2	IE	Bakau	No
Tembe	TMEV	<i>Orbivirus</i> <sup>b</sup>	2	S		No
Tembusu	TMUV	<i>Flavivirus</i>	2	S	B <sup>f</sup>	No
Tensaw	TENV	<i>Orthobunyavirus</i>	2	S	Bunyamwera	No
Termeil	TERV	<i>Bunyavirus</i> <sup>b</sup>	2	IE		No
Tete	TETEV	<i>Orthobunyavirus</i>	2	S	Tete	No
Thiafora	TFAV	<i>Bunyaviridae</i>	2	A7	Thiafora	No

Table 3 – Arboviruses and Related Zoonotic Viruses

NAME	ACRONYM	TAXONOMIC STATUS (FAMILY OR GENUS)	RECOMMENDED BIOSAFETY LEVEL	BASIS OF RATING	ANTIGENIC GROUP	HEPA FILTRATION ON LAB EXHAUST
Thimiri	THIV	<i>Orthobunyavirus</i>	2	S	Simbu	No
Thogoto	THOV	<i>Orthomyxoviridae</i>	2	S	Thogoto	No
Thottapalayam	TPMV	<i>Hantavirus</i>	2	S	Hantaan	No
Tibrogargan	TIBV	<i>Lyssavirus</i>	2	S	Tibrogargan	No
Tilligerry	TILV	<i>Orbivirus</i>	2	IE	Eubenangee	No
Timbo	TIMV	<i>Rhabdoviridae</i>	2	S	Timbo	No
Timboteua	TBTV	<i>Orthobunyavirus</i>	2	A7	Guama	No
Tinaroo	TINV	<i>Orthobunyavirus</i>	2	IE	Simbu	No
Tindholmur	TDMV	<i>Orbivirus</i>	2	A7	Kemerovo	No
Tlacotalpan	TLAV	<i>Orthobunyavirus</i>	2	IE	Bunyamwera	No
Tonate	TONV	<i>Alphavirus</i>	3	IE	A <sup>f</sup>	Yes
Topografov	TOPV	<i>Hantavirus</i>	3 <sup>a</sup>	IE	Hantaan	No
Toscana	TOSV	<i>Phlebovirus</i>	2	S	Phlebotomus Fever	No
Toure	TOUV	Unassigned	2	S		No
Tracambe	TRCV	<i>Orbivirus</i>	2	A7		No
Tribec	TRBV	<i>Orbivirus</i>	2	S	Kemerovo	No
Triniti	TNTV	<i>Togaviridae</i>	2	S		No
Trivittatus	TVTIV	<i>Orthobunyavirus</i>	2	S	California	No
Trocará	TROCV	<i>Alphavirus</i>	2	IE	A <sup>f</sup>	No
Trombetas	TRMV	<i>Orthobunyavirus</i>	2	A7		No
Trubanaman	TRUV	<i>Bunyaviridae</i>	2	S	Mapputta	No
Tsuruse	TSUV	<i>Orthobunyavirus</i>	2	S	Tete	No
Tucuruí	TUCRV	<i>Orthobunyavirus</i>	2	A7		No
Tula	TULV	<i>Hantavirus</i>	2	A8		No
Tunis	TUNV	<i>Phlebovirus</i>	2	A7	Phlebotomus Fever	No
Turlock	TURV	<i>Orthobunyavirus</i>	2	S	Turlock	No
Turuna	TUAV	<i>Phlebovirus</i>	2	IE	Phlebotomus Fever	No

Table 3 – Arboviruses and Related Zoonotic Viruses

NAME	ACRONYM	TAXONOMIC STATUS (FAMILY OR GENUS)	RECOMMENDED BIOSAFETY LEVEL	BASIS OF RATING	ANTIGENIC GROUP	HEPA FILTRATION ON LAB EXHAUST
Tyuleniya	TYUV	<i>Flavivirus</i>	2	S	B <sup>f</sup>	No
Uganda S	UGSV	<i>Flavivirus</i>	2	S	B <sup>f</sup>	No
Umatilla	UMAV	<i>Orbivirus</i>	2	S	Umatilla	No
Umbre	UMBV	<i>Orthobunyavirus</i>	2	S	Turlock	No
Una	UNAV	<i>Alphavirus</i>	2	S	A <sup>f</sup>	No
Upolu	UPOV	<i>Bunyaviridae</i>	2	S	Upolu	No
Uriurana	UURV	<i>Phlebovirus</i>	2	A7	Phlebotomus Fever	No
Urucuri	URUV	<i>Phlebovirus</i>	2	S	Phlebotomus Fever	No
Usutu	USUV	<i>Flavivirus</i>	2	S	B <sup>f</sup>	No
Utinga	UTIV	<i>Orthobunyavirus</i>	2	IE	Simbu	No
Uukuniemi	UUKV	<i>Phlebovirus</i>	2	S	Uukuniemi	No
Vellore	VELV	<i>Orbivirus</i>	2	S	Palyam	No
Venezuelan Equine Encephalitis	VEEV	<i>Alphavirus</i>	3 <sup>c</sup>	S	A <sup>f</sup>	Yes
Venkatapuram	VKTV	Unassigned	2	S		No
Vinces	VINV	<i>Orthobunyavirus</i>	2	A7	C <sup>f</sup>	No
Virgin River	VRV	<i>Orthobunyavirus</i>	2	A7	Anopheles A	No
Vesicular Stomatitis-Alagoas	VSAV	<i>Vesiculovirus</i>	2 <sup>c</sup>	S	Vesicular Stomatitis	No
Vesicular Stomatitis-Indiana	VSIV	<i>Vesiculovirus</i>	2 <sup>c</sup>	A3	Vesicular Stomatitis	No
Vesicular Stomatitis-New Jersey	VSNJV	<i>Vesiculovirus</i>	2 <sup>c</sup>	A3	Vesicular Stomatitis	No
Wad Medani	WMV	<i>Orbivirus</i>	2	S	Kemerovo	No
Wallal	WALV	<i>Orbivirus</i>	2	S	Wallal	No
Wanowrie	WANV	<i>Bunyaviridae</i>	2	S		No
Warrego	WARV	<i>Orbivirus</i>	2	S	Warrego	No
Wesselsbron	WESSV	<i>Flavivirus</i>	3 <sup>c</sup>	S	B <sup>f</sup>	Yes
Western Equine Encephalitis	WEEV	<i>Alphavirus</i>	3	S	A <sup>f</sup>	No

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NAME	ACRONYM	TAXONOMIC STATUS (FAMILY OR GENUS)	RECOMMENDED BIOSAFETY LEVEL	BASIS OF RATING	ANTIGENIC GROUP	HEPA FILTRATION ON LAB EXHAUST
West Nile	WNV	<i>Flavivirus</i>	3	S	B <sup>f</sup>	No
Whataroa	WHAV	<i>Alphavirus</i>	2	S	A <sup>f</sup>	No
Whitewater Arroyo	WWAV	<i>Arenavirus</i>	3	IE	Tacaribe	No
Witwatersrand	WITV	<i>Bunyaviridae</i>	2	S		No
Wongal	WONV	<i>Orthobunyavirus</i>	2	S	Koongol	No
Wongorr	WGRV	<i>Orbivirus</i>	2	S	Wongorr	No
Wyeomyia	WYOV	<i>Orthobunyavirus</i>	2	S	Bunyamwera	No
Xiburema	XIBV	<i>Rhabdoviridae</i>	2	IE		No
Xingu	XINV	<i>Orthobunyavirus</i>	3			No
Yacaaba	YACV	<i>Bunyaviridae</i>	2	IE		No
Yaounde	YAOV	<i>Flavivirus</i>	2	A7	B <sup>f</sup>	No
Yaquina Head	YHV	<i>Orbivirus</i>	2	S	Kemerovo	No
Yata	YATAV	<i>Rhabdoviridae</i>	2	S		No
Yellow Fever	YFV	<i>Flavivirus</i>	3	S	B <sup>f</sup>	Yes
Yogue	YOGV	<i>Bunyaviridae</i>	2	S	Yogue	No
Yoka	YOKA	<i>Poxviridae</i>	2	IE		No
Yug Bogdanovac	YBV	<i>Vesiculovirus</i>	2	IE	Vesicular Stomatitis	No
Zaliv Terpeniya	ZTV	<i>Phlebovirus</i>	2	S	Uukuniemi	No
Zegla	ZEGV	<i>Orthobunyavirus</i>	2	S	Patois	No
Zika	ZIKV	<i>Flavivirus</i>	2	S	B <sup>f</sup>	No
Zirqa	ZIRV	<i>Nairovirus</i>	2	S	Hughes	No

\* Federal regulations, import/export requirements, and taxonomic status are subject to changes. Check with the appropriate federal agency to confirm regulations.

<sup>a</sup> Containment requirements will vary based on virus concentration, animal species, or virus type. See the Hantavirus agent summary statement in the viral agent chapter.

<sup>b</sup> Tentative placement in the genus.

### Table 3 – Arboviruses and Related Zoonotic Viruses

- <sup>c</sup> These organisms are considered pathogens of significant agricultural importance by the USDA (See Appendix D) and may require additional containment (up to and including BSL-3-Ag containment). Not all strains of each organism are necessarily of concern to the USDA. Contact USDA for more information regarding exact containment/permit requirements before initiating work.
- <sup>d</sup> Alternate name for Ganjam virus.
- <sup>e</sup> Garissa virus is considered an isolate of this virus, so same containment requirements apply.
- <sup>f</sup> Antigenic groups designated A, B, and C refer to the original comprehensive and unifying serogroups established by Casals, Brown, and Whitman based on cross-reactivity among known arboviruses (2,21). Group A viruses are members of the genus *Alphavirus*, group B belong to the family *Flaviviridae*, and Group C viruses are members of the family *Bunyaviridae*.