

References Section for 2012 Revision of National Response Team (NRT) Viral Quick Reference Guides (QRGs)

The following references are not intended to be an exhaustive list or critical review of the literature. Instead, it is intended to provide sources that support the statements and provide potential added relevant detail pertaining to the section topic and agent specified. The reader will recognize that the literature sometimes represents multiple opinions, as frequently is the case in scientific literature, to alert the reader to the range of opinions available on the topic. Often this range is a result of the original literature being intended for an equally broad range of purposes. The reader should note that the QRGs represent a Subject Matter Expert consensus of these opinions, focused on the specific purpose of the QRG, which is to inform Federal OSCs of important information about the agents that may be useful to their activities during their first 24-48 hours on site. After this initial period, it is thought that additional resources and subject matter experts will be available to the OSCs.

<u>Reference Documents</u>	<u>Arenaviridae</u>					
	<u>Argentine HF</u>	<u>Bolivian HF</u>	<u>Brazilian HF</u>	<u>Lassa Fever</u>	<u>LCMV</u>	<u>Venezuelan HF</u>
Agent Characteristics						
Jahrling, Peter B., Ph.D. Medial Aspects of Chemical and Biological Warfare – Viral Hemorrhagic Fevers . U.S. Army Medical Research Institute of Infectious Diseases.	✓	✓	✓	✓		✓
Viral Hemorrhagic Fevers . (2011, November 22). Special Pathogens Branch: Centers for Disease Control and Prevention.	✓	✓	✓	✓	✓	✓
Bioterrorism Agents/Diseases By Category . (N.D.). Emergency Preparedness and Response, Centers for Disease Control and Prevention.	✓	✓	✓	✓	✓	✓
Select Agents and Toxins List . (2011, November 19). National Select Agent Registry, Centers for Disease Control and Prevention, and Animal and Plant Health Inspection Service.	✓	✓	✓	✓	✓	✓
Biodefense and Emerging Infectious Diseases . (2012, February 02) National Institute of Allergy and Infectious Disease.	✓	✓	✓	✓	✓	✓
Agent Summary Statements: Arboviruses and Related Zoonotic Viruses . Biosafety in Microbiological and Biomedical Laboratories (BMBL) 5 th Edition. Centers for Disease Control and Prevention	✓	✓	✓	✓		✓
Standard Precautions for Hospital Infection Control . (2012, February 02) Viral Hemorrhagic Fevers. World Health Organization.				✓		
Rotz LD, Khan AS, Lillibridge SR, Ostroff SM, and Hughes JM. Public Health Assessment of Potential Biological Terrorism Agents .	✓	✓	✓	✓	✓	✓
Viral Hemorrhagic Fever . Center for Infectious Disease Research & Policy – University of Minnesota.	✓	✓	✓	✓	✓	✓
Release Scenarios						
Viral Hemorrhagic Fevers . (2011, November 22). Special Pathogens Branch: Centers for Disease Control and Prevention.	✓	✓	✓	✓	✓	✓
Health Effects						
Standard Precautions for Hospital Infection Control . (2012, February 02) Viral Hemorrhagic Fevers. World Health Organization.				✓		
Effect Levels						
Viral Hemorrhagic Fever . Center for Infectious Disease Research & Policy – University of Minnesota.	✓	✓	✓	✓	✓	✓
Personnel Safety						
Standard Precautions for Hospital Infection Control . (2012, February 02) Viral Hemorrhagic Fevers. World Health Organization.				✓		
Sampling						
Guide to Changes - Transporting Infectious Substances Safely . (2006, October 1). Pipeline and Hazardous Materials	✓	✓	✓	✓	✓	✓

<u>Reference Documents</u>	<u>Arenaviridae</u>					
	<u>Argentine HF</u>	<u>Bolivian HF</u>	<u>Brazilian HF</u>	<u>Lassa Fever</u>	<u>LCMV</u>	<u>Venezuelan HF</u>
Safety Administration, U.S. Department of Transportation.						
Comparison of Surface Sampling Methods for Virus Recovery from Fomites . Timothy R. Julian, Francisco J. Tamayo, James O. Leckie and Alexandria B. Boehm. <i>Appl. Environ. Microbiol.</i> 2011, 77(19):6918. DOI: 10.1128/AEM.05709-11. Published Ahead of Print 5 August 2011.	✓	✓	✓	✓	✓	✓
Evaluation of Swab Rinse Method for the Recovery of Infectious Calicivirus from Stainless Steel Surfaces. Geun Woo Park, David Lee, and Jan Vinjé. Atlanta Research & Education Foundation.	✓	✓	✓	✓	✓	✓
Concentration and Detection of Caliciviruses from Food Contact Surfaces. Anil Taku, Baldev R. Gulati, Paul B. Allwood, Kerrin Palazzi, Craig W. Hedberg, and Sagar M. Goyal. <i>Journal of Food Protection</i> , Vol. 65, No. 6, 2002, Pages 999–1004	✓	✓	✓	✓	✓	✓
Decontamination/Cleanup						
Miller, B.M. et al. (eds.) 1986. <i>Laboratory Safety: Principles and Practices</i> . (Chapter 22. Decontamination, Sterilization, disinfection, and Antisepsis in the Microbiology Laboratory by Vesley, D. and J. Lauer) on page 188, in Table 4.	✓	✓	✓	✓	✓	✓
Waste Disposal						
Guide to Changes - Transporting Infectious Substances Safely , (2006, October 1). Pipeline and Hazardous Materials Safety Administration, U.S. Department of Transportation.	✓	✓	✓	✓	✓	✓

<u>Reference Documents</u>	<u>Bunyaviridae</u>			<u>Filoviridae</u>	<u>Flaviviridae</u>		<u>Poxviridae</u>
	<u>CCHF</u>	<u>Hantavirus</u>	<u>Rift Valley Fever</u>	<u>Ebola & Marburg</u>	<u>Denque HF</u>	<u>TBE</u>	<u>Smallpox</u>
Agent Characteristics							
Jahrling, Peter B., Ph.D. Medial Aspects of Chemical and Biological Warfare – Viral Hemorrhagic Fevers . U.S. Army Medical Research Institute of Infectious Diseases.	✓	✓	✓	✓	✓		
Viral Diseases . (2011, November 22). Special Pathogens Branch: Centers for Disease Control and Prevention.	✓	✓	✓	✓		✓	
Bioterrorism Agents/Diseases By Category . (N.D.). Emergency Preparedness and Response, Centers for Disease Control and Prevention.				✓			
Select Agents and Toxins List . (2011, November, 19). National Select Agent Registry, Centers for Disease Control and Prevention, and Animal and Plant Health Inspection Service.	✓		✓	✓		✓	✓
Biodefense and Emerging Infectious Diseases . (2012, February 02) National Institute of Allergy and Infectious Disease.	✓	✓	✓	✓	✓	✓	✓
Agent Summary Statements: Arboviruses and Related Zoonotic Viruses . Biosafety in Microbiological and Biomedical Laboratories (BMBL) 5 th Edition. Centers for Disease Control and Prevention	✓	✓	✓	✓	✓		
Standard Precautions for Hospital Infection Control . (2012, February 02) Viral Hemorrhagic Fevers. World Health Organization.	✓		✓	✓	✓		
Wolff, H.L. and Croon, J.J.A.B. The Survival of Smallpox Virus (Variola Minor) in Natural Circumstances . National Center for Biotechnology Information. <i>Bull. W.H.O.</i> 38(3):492-493							✓

Reference Documents	Bunyaviridae			Filoviridae	Flaviviridae		Poxviridae
	CCHF	Hantavirus	Rift Valley Fever	Ebola & Marburg	Denque HF	TBE	Smallpox
Smallpox Disease Overview . Emergency Preparedness and Response – Centers for Disease Control and Prevention.							✓
Rotz LD, Khan AS, Lillibridge SR, Ostroff SM, and Hughes JM. Public Health Assessment of Potential Biological Terrorism Agents .	✓	✓	✓	✓	✓	✓	✓
Hogan, Christopher and Darling, Robert. CBRNE – Smallpox . Medscape Reference – Drugs, Disease, and Procedures.							✓
Smallpox Fact Sheet – Vaccine Overview . Centers for Disease Control and Prevention – Emergency Preparedness and Response.							✓
Rheinbaben, F. v. et al. 2007. Environmental resistance, disinfection, and sterilization of poxviruses . Poxviruses. Basel; Boston 2007. Pp. 397-405							✓
Mahl, M.C & C. Sadler (1975, Virus survival on inanimate surfaces . Can. J. Microbiology. 21 (6):819-823)							✓
Padula, P.F. et al. 1997. Hantavirus pulmonary syndrome outbreak in Argentina: Molecular evidence for person-to-person transmission of Andes virus . (1998, February 15). <i>Virology</i> . Vol. 241, No. 2. Institute of National Infectious Diseases, Buenos Aires, Argentina.		✓					
Young, Joni et al. 2000. The incubation period of hantavirus pulmonary syndrome . (2000). <i>American Journal of Medical Hygiene</i> , Vol. 62, No. 6.		✓					
Vial, Pablo et al. 2006. Incubation period of hantavirus cardiopulmonary syndrome . (2006, August). <i>Emerging Infectious Diseases Journal</i> , Vol. 12, No. 8. Centers for Disease Control and Prevention.		✓					
Disease Fact Sheet, Hantavirus (Sin Nombre Virus). Ohio State Department of Health.		✓					
Chaparro, J. et al. 1988. Assessment of person to person transmission of hantavirus pulmonary syndrome in a Chilean hospital setting . (1998, December). <i>Journal of Hospital Infection</i> , Vol. 40, No. 4.		✓					
Hantaviruses Brochure . Health Beat. Illinois State Department of Public Health.		✓					
Virology Online , Hantaviruses.		✓					
Infectious Disease Index - Hantavirus . MSDS-Online, Infectious Disease Index.		✓					
Hantavirus – Hemorrhagic Fever with Renal Syndrome (HFRS) . Centers for Disease Control and Prevention.		✓					
Martinez, V.P. et al. 2005. Person-to-person transmission of Andes virus . <i>Emerg. Infect. Dis.</i> 11:1848-1853.		✓					
Enria, D. et al. 1996. Hantavirus pulmonary syndrome in Argentina. Possibility of person to person transmission . <i>Medicina (B Aires)</i> 56:709-711.		✓					
Guide F- Environmental Control of Smallpox Virus . Emergency Preparedness and Response – Centers for Disease Control and Prevention.							✓

Reference Documents	Bunyaviridae			Filoviridae	Flaviviridae		Poxviridae
	CCHF	Hantavirus	Rift Valley Fever	Ebola & Marburg	Denque HF	TBE	Smallpox
Choi, Y. W., M. Q. Shaw, J. V. Rogers, D. J. Chappie, M. L. Taylor, K. B. Riggs, Z. J. Willenberg, AND J. WOOD. Freeze-Dried Vaccinia Virus Persistence Testing and Liquid Decontamination Technology Evaluation . U.S. Environmental Protection Agency, Washington, DC, EPA/600/R-09/139, 2009.							✓
Select Agents and Toxins List . (2011, November 19). National Select Agent Registry, Centers for Disease Control and Prevention, and Animal and Plant Health Inspection Service.	✓	✓	✓	✓	✓	✓	✓
St Jeor SC. Three-week incubation period for hantavirus infection . <i>Pediatr Infect Dis J</i> . 2004 Oct;23 (10): 974-5.		✓					
Viral Hemorrhagic Fever . Center for Infectious Disease Research & Policy – University of Minnesota.	✓	✓	✓	✓	✓	✓	
Mansfield, K.L. et al. 2009. Tick-borne encephalitis virus – a review of an emerging zoonosis . <i>J. Gen. Virol.</i> 90(Pt 8):1781-1794						✓	
Release Scenarios							
Guide F- Environmental Control of Smallpox Virus . Emergency Preparedness and Response – Centers for Disease Control and Prevention.							✓
Choi, Y. W., M. Q. Shaw, J. V. Rogers, D. J. Chappie, M. L. Taylor, K. B. Riggs, Z. J. Willenberg, AND J. WOOD. Freeze-Dried Vaccinia Virus Persistence Testing and Liquid Decontamination Technology Evaluation . U.S. Environmental Protection Agency, Washington, DC, EPA/600/R-09/139, 2009.							✓
Essbauer, S. et al. 2007. Long-lasting stability of vaccinia virus (orthopoxvirus) in food and environmental samples . <i>Zoonoses Public Health</i> 54: 118-124.							✓
Young, Joni et al. 2000. The incubation period of hantavirus pulmonary syndrome . (2000). <i>American Journal of Medical Hygiene</i> , Vol. 62, No. 6.		✓					
Torres-Perez et al. 2004. Peridomestic small mammals associated with confirmed cases of human hantavirus disease in south-central Chile . (2004, March). <i>American Journal of Tropical Medicine and Hygiene</i> . Vol. 70, No. 3.		✓					
Wells, Rachel et al. 1997. An unusual hantavirus outbreak in southern Argentina: Person-to-person transmission? (1997, June). <i>Emerging Infectious Diseases</i> , Vol. 3, No.2.		✓					
Vial, Pablo et al. 2006. Incubation period of hantavirus cardiopulmonary syndrome . (2006, August). <i>Emerging Infectious Diseases Journal</i> , Vol. 12, No. 8. Centers for Disease Control and Prevention.		✓					
Chaparro, J. et al. 1988. Assessment of person to person transmission of hantavirus pulmonary syndrome in a Chilean hospital setting . (1998, December). <i>Journal of Hospital Infection</i> , Vol. 40, No. 4.		✓					
Ryan, J.R. & J.F. Glarum. 2008. Biosecurity and Bioterrorism: containing and Preventing Biological Threats . Elsevier. Oxford, UK.							✓

Reference Documents	Bunyaviridae			Filoviridae	Flaviviridae		Poxviridae
	CCHF	Hantavirus	Rift Valley Fever	Ebola & Marburg	Denque HF	TBE	Smallpox
Henderson, Donald et al. 1999. Smallpox as a Biological Weapon – Medical and Public Health Management . JAMA, June 9, 1999 – Vol 281, No. 22. Pp. 2127-2137.							✓
Health Effects							
Standard Precautions for Hospital Infection Control . (2012, February 02) Viral Hemorrhagic Fevers. World Health Organization.	✓		✓	✓	✓		
Smallpox Response Plan and Guidelines . Emergency Preparedness and Response – Centers for Disease Control and Prevention.							✓
Padula, P.F. et al. 1997. Hantavirus pulmonary syndrome outbreak in Argentina: Molecular evidence for person-to-person transmission of Andes virus . (1998, February 15). <i>Virology</i> . Vol. 241, No. 2. Institute of National Infectious Diseases, Buenos Aires, Argentina.		✓					
Young, Joni et al. 2000. The incubation period of hantavirus pulmonary syndrome . (2000). <i>American Journal of Medical Hygiene</i> , Vol. 62, No. 6.		✓					
Wells, Rachel et al. 1997. An unusual hantavirus outbreak in southern Argentina: Person-to-person transmission? (1997, June). <i>Emerging Infectious Diseases</i> , Vol. 3, No.2.		✓					
Facts About Hantavirus – What You Need to Know to Prevent the Disease Hantavirus Pulmonary Syndrome (HPS) . Center for Disease Control and Prevention.		✓					
Hantavirus – Hemorrhagic Fever with Renal Syndrome (HFRS) . Centers for Disease Control and Prevention.		✓					
St Jeor SC. Three-week incubation period for hantavirus infection . <i>Pediatr Infect Dis J</i> . 2004 Oct;23 (10): 974-5.		✓					
Tick-borne Encephalitis . Centers for Disease Control and Prevention – Special Pathogens Branch						✓	
Jahrling, Peter B., Ph.D. Medial Aspects of Chemical and Biological Warfare – Viral Hemorrhagic Fevers . U.S. Army Medical Research Institute of Infectious Diseases.	✓	✓	✓	✓	✓	✓	
Tick-borne encephalitis virus complex . <i>Transfusion</i> 49(Suppl.):156S-157S						✓	
Effect Levels							
Padula, P.F. et al. 1997. Hantavirus pulmonary syndrome outbreak in Argentina: Molecular evidence for person-to-person transmission of Andes virus . (1998, February 15). <i>Virology</i> . Vol. 241, No. 2. Institute of National Infectious Diseases, Buenos Aires, Argentina.		✓					
Young, Joni et al. 2000. The incubation period of hantavirus pulmonary syndrome . (2000). <i>American Journal of Medical Hygiene</i> , Vol. 62, No. 6.		✓					
Wells, Rachel et al. 1997. An unusual hantavirus outbreak in southern Argentina: Person-to-person transmission? (1997, June). <i>Emerging Infectious Diseases</i> , Vol. 3, No.2.		✓					

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Vial, Pablo et al. 2006. Incubation period of hantavirus cardiopulmonary syndrome . (2006, August). <i>Emerging Infectious Diseases Journal</i> , Vol. 12, No. 8. Centers for Disease Control and Prevention.		✓					
Hantavirus Infection – Southwestern United States: Interim Recommendations for Risk Reduction . Centers for Disease Control and Prevention – Morbidity and Mortality Weekly Report (MMWR)		✓					
Infectious Disease Index - Hantavirus . MSDS-Online, Infectious Disease Index.		✓					
Mandl, C.W. 2005. Steps of the tick-borne encephalitis virus replication cycle that affect neuropathogenesis . <i>Virus Res.</i> 111(2):161-174							
Personnel Safety							
Standard Precautions for Hospital Infection Control . (2012, February 02) Viral Hemorrhagic Fevers. World Health Organization.	✓		✓	✓	✓		
Questions and Answers About Infection Control Issues for Vaccinated Healthcare Workers . Centers for Disease Control and Prevention – Emergency Preparedness and Response.							✓
Ticks Control with Efficient Tick Repellents . RepelAll.						✓	
http://www.epa.gov/pesticides/factsheets/chemicals/deet.htm						✓	
http://www.cdc.gov/ticks/removing_a_tick.html						✓	
Sampling							
Ryan, J.R. & J.F. Glarum. 2008. <i>Biosecurity and Bioterrorism: containing and Preventing Biological Threats</i> . Elsevier. Oxford, UK.							✓
Guide to Changes - Transporting Infectious Substances Safely . (2006, October 1). Pipeline and Hazardous Materials Safety Administration, U.S. Department of Transportation.		✓	✓	✓	✓	✓	✓
Comparison of Surface Sampling Methods for Virus Recovery from Fomites . Timothy R. Julian, Francisco J. Tamayo, James O. Leckie and Alexandria B. Boehm. <i>Appl. Environ. Microbiol.</i> 2011, 77(19):6918. DOI: 10.1128/AEM.05709-11. Published Ahead of Print 5 August 2011.	✓	✓	✓	✓	✓	✓	✓
Evaluation of Swab Rinse Method for the Recovery of Infectious Calicivirus from Stainless Steel Surfaces. Geun Woo Park, David Lee, and Jan Vinjé. Atlanta Research & Education Foundation.	✓	✓	✓	✓	✓	✓	✓
Concentration and Detection of Caliciviruses from Food Contact Surfaces. Anil Taku, Baldev R. Gulati, Paul B. Allwood, Kerrin Palazzi, Craig W. Hedberg, and Sagar M. Goyal. <i>Journal of Food Protection</i> , Vol. 65, No. 6, 2002, Pages 999–1004	✓	✓	✓	✓	✓	✓	✓
Torres-Perez et al. 2004. Peridomestic small mammals associated with confirmed cases of human hantavirus disease in south-central Chile . (2004, March). <i>American Journal of Tropical Medicine and Hygiene</i> . Vol. 70, No. 3.		✓					
Decontamination/Cleanup							
Miller, B.M. et al. (eds.) 1986. <i>Laboratory Safety: Principles and Practices</i> . (Chapter 22. Decontamination, Sterilization, disinfection, and Antisepsis in the Microbiology Laboratory by Vesley, D.	✓	✓	✓	✓	✓	✓	✓

<u>Reference Documents</u>	<u>Bunyaviridae</u>			<u>Filoviridae</u>	<u>Flaviviridae</u>		<u>Poxviridae</u>
	<u>CCHF</u>	<u>Hantavirus</u>	<u>Rift Valley Fever</u>	<u>Ebola & Marburg</u>	<u>Denque HF</u>	<u>TBE</u>	<u>Smallpox</u>
and J. Lauer) on page 188, in Table 4.							
Tanabe, I. and Hotta, S. Effect of Disinfectants on Variola Virus in Cell Culture . Applied and Environmental Microbiology. Aug. 1976, 9. 209-212							✓
Tick-borne encephalitis: essential data . Chemical and Biological Warfare Information (CBWInfo) – Biological Pathogens.						✓	
Waste Disposal							
Guide to Changes - Transporting Infectious Substances Safely , (2006, October 1). Pipeline and Hazardous Materials Safety Administration, U.S. Department of Transportation.		✓	✓	✓	✓	✓	✓

Key: In the reference table, “✓” means the data can be found directly in the citation.