Biological Agent Reference Sheet (BARS)

The content of this document is for Emory University use only.

The information and contents of this Biological Agent Reference Sheet (including all text and graphics), whether available in print or electronic format (including any digital format, e-mail transmissions, or download from the website), shall be known hereinafter as "Reference Sheet Content". The Reference Sheet Content is provided as a courtesy and is not intended as a sole source of guidance in the evaluation of biological agents. The Reference Sheet Content is not intended to substitute for medical advice, medical care, diagnosis, or treatment obtained from a physician or health care provider. Please seek the advice of a physician or other qualified health care provider with any questions you may have regarding a medical condition. Do not rely on the Reference Sheet Content for diagnosis, treatment, or medical advice. This Reference Sheet Content is for informational purposes and does not provide individualized medical care or treatment. No endorsement of any specific tests, products, or procedures is made by Reference Sheet Content or affiliated party, member, agent or employee of the Emory University Environmental Health and Safety Office.

BIOLOGICAL AGENT REFERENCE SHEET

Modified Vaccinia Virus Ankara (MVA)

CHARACTERIS'	TICS	Treatment			
CHARACIENS	Modified Vaccinia virus Ankara (MVA) (family <i>Poxviridae</i> ,	Surveillance	None		
	genus Orthopoxvirus) was originally developed as an	Emory			
	attenuated vaccinia virus strain for smallpox vaccination.	Requirements	None		
	It was generated from ancestor virus Chorioallantois	LABORATORY	HAZARDS		
	Vaccinia virus Ankara (CVA; Turkish vaccine institute in		MVA exposure in the labo	ratory may occur by	
Background	Ankara) in 1968 by serial passage. Isolate F6, derived by	Sources	needlesticks, splashes, etc.		
	572 serial passages in chicken embryo fibroblasts,	SLIPPI EMENTA	TAL REFERENCES		
	resulted in six major deletions. As a result, MVA is		https://www.cdc.gov/vaccinesafety/vaccines/Smallpox-		
	replication-deficient in most mammalian cells and does not produce many virulence factors. It has a large	CDC	Vaccine.html	omesares,, rassines, emanpex	
	packaging capacity for heterologous DNA and is	60.6	Biosafety in Microbiological and Biomedical Laboratories,		
	considered a vaccine virus of choice in clinical research.	CDC	6 th Edition		
	MVA is enveloped with a highly asymmetric structure	Viruses	9(11): 318 ct Eggers M, Eickmann M, Kowalski K, Zorn J, Reimer K.		
	(ellipsoidal, brick shaped, or barrel shaped) measuring				
Morphology	approximately 360 × 270 × 250 nm, with a single, linear	BMC Infect			
	dsDNA genome of 178 kb.	Dis.	BMC Infect Dis. 2015 Sep 17;15:375		
	BHK-21 [C-13] fibroblasts isolated from the kidney of an	CONTAINMEN	T		
Growth	uninfected golden hamster are commonly used. The cells	BSL2/ABSL2/		followed. Inoculated animals	
Conditions	are incubated at 37°C with 5% CO ₂ in air atmosphere.	ABSL1	shed MVA during the first few hours and should remain		
HEALTH HAZA	RDS	7.5011	at ABSL-2 for 72h, then m	oved to ABSL1.	
	In embryonic chicken tissues: The liver is the major	SPILL PROCED	SPILL PROCEDURES		
	target organ, macrophages and hematopoietic cells are		Notify others in the area a	and allow 30 minutes for	
	the primary target cells, and chorioallantoic membrane is		aerosols to settle. Don appropriate PPE. Cover the spill		
	the major site of replication. However, increasing doses	Small	with paper towels and apply disinfectant effective		
	of MVA do not result in increased lesion severity or		against MVA, working from the perimeter towards the		
Host Range	embryonic death, and MVA-based vaccines are		center. Allow 30 minutes of contact time before disposal		
riost nurige	promising for protection of parrots against avian		and cleanup of spill materials.		
	bornavirus. In mammalian species: MVA is replication-	Large	Large Contact Emory's Biosafety Officer (404-357-1821) or The Spill Response Team (404-727-2888).		
	deficient in most mammalian cells, but some mammalian				
	cell lines support limited MVA replication (e.g., human embryonic kidney (HEK) 293 cells, HeLa cells, human	EXPOSURE PRO	Flush eyes, mouth, or nose for 15 minutes at an eyewash station. Wash area with soap and water for 15 minutes.		
	Caco-2 cells, Chinese hamster ovary (CHO) cells, and	Mucous membrane			
	BHK-21 cells).	Other Exposure.			
	1) MVA can productively infect human Caco-2 cells after	Other Exposure.	7:30 am - 4:00 pm (OHS):	After Hours:	
	multiple serial passages. 2) Recombination can occur in		404-686-8578	OIM NP On Call	
	indiciple serial passages. 27 Necombination can occur in				
	vitro between MVA vectored vaccine and wild type	Seek Medical		404-686-5500, PIC# 50464	
		Seek Medical Attention	Needle Stick:	ENPRC: Maureen Thompson	
	vitro between MVA vectored vaccine and wild type		EUH (404-686-8587)	ENPRC: Maureen Thompson Office (404-727-8012)	
Special	vitro between MVA vectored vaccine and wild type cowpox virus (CPXV) in cell lines that are semi-permissive to MVA. 3) Nonreplicating MVA enters target cells where recombinant constructs are translated, so risks		EUH (404-686-8587) EUHM (404-686-2352)	ENPRC: Maureen Thompson Office (404-727-8012) Cell (404-275-0963)	
Special Precautions	vitro between MVA vectored vaccine and wild type cowpox virus (CPXV) in cell lines that are semi-permissive to MVA. 3) Nonreplicating MVA enters target cells where recombinant constructs are translated, so risks associated with recombinant constructs must be		EUH (404-686-8587) EUHM (404-686-2352) Report incident to superv	ENPRC: Maureen Thompson Office (404-727-8012) Cell (404-275-0963) isor and complete an employee	
-	vitro between MVA vectored vaccine and wild type cowpox virus (CPXV) in cell lines that are semi-permissive to MVA. 3) Nonreplicating MVA enters target cells where recombinant constructs are translated, so risks associated with recombinant constructs must be evaluated on a case-by-case basis. 4) Strains should be	Attention Reporting	EUH (404-686-8587) EUHM (404-686-2352)	ENPRC: Maureen Thompson Office (404-727-8012) Cell (404-275-0963) isor and complete an employee	
-	vitro between MVA vectored vaccine and wild type cowpox virus (CPXV) in cell lines that are semi-permissive to MVA. 3) Nonreplicating MVA enters target cells where recombinant constructs are translated, so risks associated with recombinant constructs must be evaluated on a case-by-case basis. 4) Strains should be evaluated for homogeneity by PCR, sequencing, or	Attention	EUH (404-686-8587) EUHM (404-686-2352) Report incident to superv incident report in PeopleS	ENPRC: Maureen Thompson Office (404-727-8012) Cell (404-275-0963) isor and complete an employee Soft.	
-	vitro between MVA vectored vaccine and wild type cowpox virus (CPXV) in cell lines that are semi-permissive to MVA. 3) Nonreplicating MVA enters target cells where recombinant constructs are translated, so risks associated with recombinant constructs must be evaluated on a case-by-case basis. 4) Strains should be evaluated for homogeneity by PCR, sequencing, or infection studies to ensure there are no variants present	Attention Reporting VIABILITY	EUH (404-686-8587) EUHM (404-686-2352) Report incident to superv incident report in PeopleS	ENPRC: Maureen Thompson Office (404-727-8012) Cell (404-275-0963) isor and complete an employee soft. (5.25% sodium hypochlorite)	
-	vitro between MVA vectored vaccine and wild type cowpox virus (CPXV) in cell lines that are semi-permissive to MVA. 3) Nonreplicating MVA enters target cells where recombinant constructs are translated, so risks associated with recombinant constructs must be evaluated on a case-by-case basis. 4) Strains should be evaluated for homogeneity by PCR, sequencing, or infection studies to ensure there are no variants present that can replicate in otherwise resistant mammalian	Attention Reporting	EUH (404-686-8587) EUHM (404-686-2352) Report incident to superv incident report in PeopleS 1) 1:10 dilution of bleach for 30 minutes or overnig	ENPRC: Maureen Thompson Office (404-727-8012) Cell (404-275-0963) isor and complete an employee foft. (5.25% sodium hypochlorite) ht.	
Precautions	vitro between MVA vectored vaccine and wild type cowpox virus (CPXV) in cell lines that are semi-permissive to MVA. 3) Nonreplicating MVA enters target cells where recombinant constructs are translated, so risks associated with recombinant constructs must be evaluated on a case-by-case basis. 4) Strains should be evaluated for homogeneity by PCR, sequencing, or infection studies to ensure there are no variants present that can replicate in otherwise resistant mammalian cells.	Attention Reporting VIABILITY	EUH (404-686-8587) EUHM (404-686-2352) Report incident to superv incident report in PeopleS 1) 1:10 dilution of bleach for 30 minutes or overnig 2) quaternary ammonium	ENPRC: Maureen Thompson Office (404-727-8012) Cell (404-275-0963) isor and complete an employee soft. (5.25% sodium hypochlorite) ht. compounds (QACs)	
Precautions Modes of	vitro between MVA vectored vaccine and wild type cowpox virus (CPXV) in cell lines that are semi-permissive to MVA. 3) Nonreplicating MVA enters target cells where recombinant constructs are translated, so risks associated with recombinant constructs must be evaluated on a case-by-case basis. 4) Strains should be evaluated for homogeneity by PCR, sequencing, or infection studies to ensure there are no variants present that can replicate in otherwise resistant mammalian cells.	Attention Reporting VIABILITY	EUH (404-686-8587) EUHM (404-686-2352) Report incident to superv incident report in PeopleS 1) 1:10 dilution of bleach for 30 minutes or overnig 2) quaternary ammonium 3) povidone-iodine hand so	ENPRC: Maureen Thompson Office (404-727-8012) Cell (404-275-0963) isor and complete an employee foft. (5.25% sodium hypochlorite) ht. compounds (QACs) wash and hand rub products	
Precautions	vitro between MVA vectored vaccine and wild type cowpox virus (CPXV) in cell lines that are semi-permissive to MVA. 3) Nonreplicating MVA enters target cells where recombinant constructs are translated, so risks associated with recombinant constructs must be evaluated on a case-by-case basis. 4) Strains should be evaluated for homogeneity by PCR, sequencing, or infection studies to ensure there are no variants present that can replicate in otherwise resistant mammalian cells. Exposure may occur by contact with mucous membranes, ingestion, inhalation of viral particles, and	Attention Reporting VIABILITY Disinfection	EUH (404-686-8587) EUHM (404-686-2352) Report incident to supervincident report in PeopleS 1) 1:10 dilution of bleach for 30 minutes or overnig 2) quaternary ammonium 3) povidone-iodine hand vinactivated by heat (55°C)	ENPRC: Maureen Thompson Office (404-727-8012) Cell (404-275-0963) isor and complete an employee soft. (5.25% sodium hypochlorite) ht. compounds (QACs)	
Precautions Modes of Exposure	vitro between MVA vectored vaccine and wild type cowpox virus (CPXV) in cell lines that are semi-permissive to MVA. 3) Nonreplicating MVA enters target cells where recombinant constructs are translated, so risks associated with recombinant constructs must be evaluated on a case-by-case basis. 4) Strains should be evaluated for homogeneity by PCR, sequencing, or infection studies to ensure there are no variants present that can replicate in otherwise resistant mammalian cells.	Attention Reporting VIABILITY Disinfection Inactivation	EUH (404-686-8587) EUHM (404-686-2352) Report incident to supervincident report in PeopleS 1) 1:10 dilution of bleach for 30 minutes or overnig 2) quaternary ammonium 3) povidone-iodine hand vinactivated by heat (55 °C) Poxviruses have resistance	ENPRC: Maureen Thompson Office (404-727-8012) Cell (404-275-0963) isor and complete an employee foft. (5.25% sodium hypochlorite) ht. compounds (QACs) wash and hand rub products for 1 h) and disinfectants.	
Precautions Modes of Exposure Signs and	vitro between MVA vectored vaccine and wild type cowpox virus (CPXV) in cell lines that are semi-permissive to MVA. 3) Nonreplicating MVA enters target cells where recombinant constructs are translated, so risks associated with recombinant constructs must be evaluated on a case-by-case basis. 4) Strains should be evaluated for homogeneity by PCR, sequencing, or infection studies to ensure there are no variants present that can replicate in otherwise resistant mammalian cells. Exposure may occur by contact with mucous membranes, ingestion, inhalation of viral particles, and injection.	Attention Reporting VIABILITY Disinfection Inactivation Survival Outside Host	EUH (404-686-8587) EUHM (404-686-2352) Report incident to supervincident report in PeopleS 1) 1:10 dilution of bleach for 30 minutes or overnig 2) quaternary ammonium 3) povidone-iodine hand vinactivated by heat (55 °C) Poxviruses have resistance viable over several month.	ENPRC: Maureen Thompson Office (404-727-8012) Cell (404-275-0963) isor and complete an employee soft. (5.25% sodium hypochlorite) ht. compounds (QACs) wash and hand rub products for 1 h) and disinfectants. e to drying and may remain as depending on temperature.	
Precautions Modes of Exposure	vitro between MVA vectored vaccine and wild type cowpox virus (CPXV) in cell lines that are semi-permissive to MVA. 3) Nonreplicating MVA enters target cells where recombinant constructs are translated, so risks associated with recombinant constructs must be evaluated on a case-by-case basis. 4) Strains should be evaluated for homogeneity by PCR, sequencing, or infection studies to ensure there are no variants present that can replicate in otherwise resistant mammalian cells. Exposure may occur by contact with mucous membranes, ingestion, inhalation of viral particles, and injection. In rare cases, exposure to MVA may cause serious	Attention Reporting VIABILITY Disinfection Inactivation Survival Outside Host PERSONAL PRO	EUH (404-686-8587) EUHM (404-686-2352) Report incident to supervincident report in PeopleS 1) 1:10 dilution of bleach for 30 minutes or overnig 2) quaternary ammonium 3) povidone-iodine hand vinactivated by heat (55 °C) Poxviruses have resistance viable over several monthorective EQUIPMENT (PP)	ENPRC: Maureen Thompson Office (404-727-8012) Cell (404-275-0963) isor and complete an employee soft. (5.25% sodium hypochlorite) ht. compounds (QACs) wash and hand rub products for 1 h) and disinfectants. e to drying and may remain as depending on temperature.	
Precautions Modes of Exposure Signs and	vitro between MVA vectored vaccine and wild type cowpox virus (CPXV) in cell lines that are semi-permissive to MVA. 3) Nonreplicating MVA enters target cells where recombinant constructs are translated, so risks associated with recombinant constructs must be evaluated on a case-by-case basis. 4) Strains should be evaluated for homogeneity by PCR, sequencing, or infection studies to ensure there are no variants present that can replicate in otherwise resistant mammalian cells. Exposure may occur by contact with mucous membranes, ingestion, inhalation of viral particles, and injection. In rare cases, exposure to MVA may cause serious allergic reaction including difficulty breathing, dizziness,	Attention Reporting VIABILITY Disinfection Inactivation Survival Outside Host	EUH (404-686-8587) EUHM (404-686-2352) Report incident to supervincident report in PeopleS 1) 1:10 dilution of bleach for 30 minutes or overnig 2) quaternary ammonium 3) povidone-iodine hand vinactivated by heat (55 °C) Poxviruses have resistance viable over several month.	ENPRC: Maureen Thompson Office (404-727-8012) Cell (404-275-0963) isor and complete an employee soft. (5.25% sodium hypochlorite) ht. compounds (QACs) wash and hand rub products for 1 h) and disinfectants. e to drying and may remain is depending on temperature. E) shoes, a lab coat, and	
Modes of Exposure Signs and Symptoms Infectious Dose	vitro between MVA vectored vaccine and wild type cowpox virus (CPXV) in cell lines that are semi-permissive to MVA. 3) Nonreplicating MVA enters target cells where recombinant constructs are translated, so risks associated with recombinant constructs must be evaluated on a case-by-case basis. 4) Strains should be evaluated for homogeneity by PCR, sequencing, or infection studies to ensure there are no variants present that can replicate in otherwise resistant mammalian cells. Exposure may occur by contact with mucous membranes, ingestion, inhalation of viral particles, and injection. In rare cases, exposure to MVA may cause serious allergic reaction including difficulty breathing, dizziness, or swelling of the face and neck.	Attention Reporting VIABILITY Disinfection Inactivation Survival Outside Host PERSONAL PROMINE Minimum PPE	EUH (404-686-8587) EUHM (404-686-2352) Report incident to supervincident report in PeopleS 1) 1:10 dilution of bleach for 30 minutes or overnig 2) quaternary ammonium 3) povidone-iodine hand vinactivated by heat (55 °C) Poxviruses have resistanc viable over several month OTECTIVE EQUIPMENT (PP) Wear gloves, closed toed appropriate face and eye	ENPRC: Maureen Thompson Office (404-727-8012) Cell (404-275-0963) isor and complete an employee soft. (5.25% sodium hypochlorite) ht. compounds (QACs) wash and hand rub products for 1 h) and disinfectants. e to drying and may remain is depending on temperature. E) shoes, a lab coat, and	
Modes of Exposure Signs and Symptoms Infectious Dose	vitro between MVA vectored vaccine and wild type cowpox virus (CPXV) in cell lines that are semi-permissive to MVA. 3) Nonreplicating MVA enters target cells where recombinant constructs are translated, so risks associated with recombinant constructs must be evaluated on a case-by-case basis. 4) Strains should be evaluated for homogeneity by PCR, sequencing, or infection studies to ensure there are no variants present that can replicate in otherwise resistant mammalian cells. Exposure may occur by contact with mucous membranes, ingestion, inhalation of viral particles, and injection. In rare cases, exposure to MVA may cause serious allergic reaction including difficulty breathing, dizziness, or swelling of the face and neck. MVA is not infectious. CAUTIONS / TREATMENT MVA is not infectious, so prophylaxis is not required.	Reporting VIABILITY Disinfection Inactivation Survival Outside Host PERSONAL PROMINIMUM PPE Requirements	EUH (404-686-8587) EUHM (404-686-2352) Report incident to supervincident report in PeopleS 1) 1:10 dilution of bleach for 30 minutes or overnig 2) quaternary ammonium 3) povidone-iodine hand vinactivated by heat (55 °C) Poxviruses have resistanc viable over several month OTECTIVE EQUIPMENT (PP) Wear gloves, closed toed appropriate face and eye	ENPRC: Maureen Thompson Office (404-727-8012) Cell (404-275-0963) isor and complete an employee soft. (5.25% sodium hypochlorite) ht. compounds (QACs) wash and hand rub products for 1 h) and disinfectants. e to drying and may remain as depending on temperature. E) shoes, a lab coat, and protection. n if work will be performed	
Modes of Exposure Signs and Symptoms Infectious Dose	vitro between MVA vectored vaccine and wild type cowpox virus (CPXV) in cell lines that are semi-permissive to MVA. 3) Nonreplicating MVA enters target cells where recombinant constructs are translated, so risks associated with recombinant constructs must be evaluated on a case-by-case basis. 4) Strains should be evaluated for homogeneity by PCR, sequencing, or infection studies to ensure there are no variants present that can replicate in otherwise resistant mammalian cells. Exposure may occur by contact with mucous membranes, ingestion, inhalation of viral particles, and injection. In rare cases, exposure to MVA may cause serious allergic reaction including difficulty breathing, dizziness, or swelling of the face and neck. MVA is not infectious. CAUTIONS / TREATMENT MVA is not infectious, so prophylaxis is not required. Vaccination is not required for individuals working in	Reporting VIABILITY Disinfection Inactivation Survival Outside Host PERSONAL PROMINIMUM PPE Requirements Additional	EUH (404-686-8587) EUHM (404-686-2352) Report incident to supervincident report in PeopleS 1) 1:10 dilution of bleach for 30 minutes or overnig 2) quaternary ammonium 3) povidone-iodine hand vinactivated by heat (55 °C) Poxviruses have resistance viable over several month OTECTIVE EQUIPMENT (PP) Wear gloves, closed toed appropriate face and eye Use respiratory protection outside a biosafety cabine	ENPRC: Maureen Thompson Office (404-727-8012) Cell (404-275-0963) isor and complete an employee soft. (5.25% sodium hypochlorite) ht. compounds (QACs) wash and hand rub products for 1 h) and disinfectants. e to drying and may remain as depending on temperature. E) shoes, a lab coat, and protection. n if work will be performed	
Modes of Exposure Signs and Symptoms Infectious Dose	vitro between MVA vectored vaccine and wild type cowpox virus (CPXV) in cell lines that are semi-permissive to MVA. 3) Nonreplicating MVA enters target cells where recombinant constructs are translated, so risks associated with recombinant constructs must be evaluated on a case-by-case basis. 4) Strains should be evaluated for homogeneity by PCR, sequencing, or infection studies to ensure there are no variants present that can replicate in otherwise resistant mammalian cells. Exposure may occur by contact with mucous membranes, ingestion, inhalation of viral particles, and injection. In rare cases, exposure to MVA may cause serious allergic reaction including difficulty breathing, dizziness, or swelling of the face and neck. MVA is not infectious. CAUTIONS / TREATMENT MVA is not infectious, so prophylaxis is not required. Vaccination is not required for individuals working in laboratories with only replication-deficient strains of	Reporting VIABILITY Disinfection Inactivation Survival Outside Host PERSONAL PROMINIMUM PPE Requirements Additional Precautions	EUH (404-686-8587) EUHM (404-686-2352) Report incident to supervincident report in PeopleS 1) 1:10 dilution of bleach for 30 minutes or overnig 2) quaternary ammonium 3) povidone-iodine hand vinactivated by heat (55 °C) Poxviruses have resistance viable over several month OTECTIVE EQUIPMENT (PP) Wear gloves, closed toed appropriate face and eye Use respiratory protection outside a biosafety cabine IREMENTS	ENPRC: Maureen Thompson Office (404-727-8012) Cell (404-275-0963) isor and complete an employee soft. (5.25% sodium hypochlorite) ht. compounds (QACs) wash and hand rub products for 1 h) and disinfectants. e to drying and may remain as depending on temperature. E) shoes, a lab coat, and protection. n if work will be performed	
Modes of Exposure Signs and Symptoms Infectious Dose MEDICAL PRECED Prophylaxis Vaccines	vitro between MVA vectored vaccine and wild type cowpox virus (CPXV) in cell lines that are semi-permissive to MVA. 3) Nonreplicating MVA enters target cells where recombinant constructs are translated, so risks associated with recombinant constructs must be evaluated on a case-by-case basis. 4) Strains should be evaluated for homogeneity by PCR, sequencing, or infection studies to ensure there are no variants present that can replicate in otherwise resistant mammalian cells. Exposure may occur by contact with mucous membranes, ingestion, inhalation of viral particles, and injection. In rare cases, exposure to MVA may cause serious allergic reaction including difficulty breathing, dizziness, or swelling of the face and neck. MVA is not infectious. CAUTIONS / TREATMENT MVA is not infectious, so prophylaxis is not required. Vaccination is not required for individuals working in laboratories with only replication-deficient strains of vaccinia virus.	Reporting VIABILITY Disinfection Inactivation Survival Outside Host PERSONAL PROMINIMUM PPE Requirements Additional Precautions	EUH (404-686-8587) EUHM (404-686-2352) Report incident to supervincident report in PeopleS 1) 1:10 dilution of bleach for 30 minutes or overnig 2) quaternary ammonium 3) povidone-iodine hand vinactivated by heat (55 °C) Poxviruses have resistance viable over several month OTECTIVE EQUIPMENT (PP) Wear gloves, closed toed appropriate face and eye Use respiratory protection outside a biosafety cabine IREMENTS Importing MVA requires a	ENPRC: Maureen Thompson Office (404-727-8012) Cell (404-275-0963) isor and complete an employee soft. (5.25% sodium hypochlorite) ht. compounds (QACs) wash and hand rub products for 1 h) and disinfectants. e to drying and may remain as depending on temperature. E) shoes, a lab coat, and protection. n if work will be performed et.	
Modes of Exposure Signs and Symptoms Infectious Dose MEDICAL PRECED Prophylaxis	vitro between MVA vectored vaccine and wild type cowpox virus (CPXV) in cell lines that are semi-permissive to MVA. 3) Nonreplicating MVA enters target cells where recombinant constructs are translated, so risks associated with recombinant constructs must be evaluated on a case-by-case basis. 4) Strains should be evaluated for homogeneity by PCR, sequencing, or infection studies to ensure there are no variants present that can replicate in otherwise resistant mammalian cells. Exposure may occur by contact with mucous membranes, ingestion, inhalation of viral particles, and injection. In rare cases, exposure to MVA may cause serious allergic reaction including difficulty breathing, dizziness, or swelling of the face and neck. MVA is not infectious. CAUTIONS / TREATMENT MVA is not infectious, so prophylaxis is not required. Vaccination is not required for individuals working in laboratories with only replication-deficient strains of	Reporting VIABILITY Disinfection Inactivation Survival Outside Host PERSONAL PRO Minimum PPE Requirements Additional Precautions PERMIT REQU	EUH (404-686-8587) EUHM (404-686-2352) Report incident to supervincident report in PeopleS 1) 1:10 dilution of bleach for 30 minutes or overnig 2) quaternary ammonium 3) povidone-iodine hand vinactivated by heat (55 °C) Poxviruses have resistance viable over several month OTECTIVE EQUIPMENT (PP) Wear gloves, closed toed appropriate face and eye Use respiratory protection outside a biosafety cabine IREMENTS Importing MVA requires a	ENPRC: Maureen Thompson Office (404-727-8012) Cell (404-275-0963) isor and complete an employee soft. (5.25% sodium hypochlorite) ht. compounds (QACs) wash and hand rub products for 1 h) and disinfectants. e to drying and may remain as depending on temperature. E) shoes, a lab coat, and protection. In if work will be performed et. I VS 16-6A import permit. You quirements with the USDA and	

Revision Date: 19-Apr-24