




## SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION		
(a)	Product Name:	Avioq HIV-1 Microelisa System
(b)	Product Number:	100384, 100960, 109600
(c)	Product Description:	The Avioq HIV-1 Microelisa System is an enzyme-linked immunosorbent assay (ELISA) for the qualitative detection of antibodies to Human Immunodeficiency Virus Type 1 (HIV-1) in human specimens collected as serum, plasma, dried blood spots, or oral fluid specimens obtained with OraSure®.HIV-1 Oral Specimen Collection Device.
(d)	Supplier Information:	Avioq 104 T.W. Alexander Drive Research Triangle Park, North Carolina 27709 Telephone: 919-314-5535 Fax: 919-314-5536
(e)	Emergency Phone Number:	Telephone: 919-314-5535
2. HAZARDS IDENTIFICATION		
(a)	Classification of the substance or mixture:	
	<b>Kit Component</b>	<b>Description</b>
		<b><sup>1</sup>Hazardous Components of Mixture Present Above Threshold Levels</b>
	HIV-1 Microelisa Strips	Twelve per holder, each containing <sup>2</sup> HIV-1 antigen coated wells, including inactivated, purified viral lysate protein, contained in a foil pack (2 stripholders/pack) with silica gel desiccant.
	Dilsim™ III (120 ml bottle)	Liquid specimen diluent; contains bovine and caprine proteins, salt, surfactant, Chlorophenol Red as specimen addition indicator, Triton x-100 and antimicrobial agents (contains 0.03% [w/v] bromonitrodioxane),
	Negative Calibrator Serum (Human) (0.5 ml vial)	Contains <sup>2</sup> human serum and goat serum as stabilizer with 0.05% (w/v) bromonitrodioxane as preservative and Fast Green FCF as coloring agent; no detectable antibodies to HBsAg, HIV-1 or HCV.
		None
		Triton X-100, CAS 9002-93-1: 1.4% Serious Eye Damage/Eye Irritation (Category 2), H319
		None



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	HIV-1 Positive Control Serum (Human) (0.5 ml vial)	Inactivated <sup>2</sup> human serum containing protein stabilizers. Contains 0.05% (w/v) bromonitrodioxane as preservative and coloring agent; reactive for antibodies to HIV-1 and nonreactive to HBsAg and antibodies to HCV.	<b>None</b>
	Peroxidase Conjugated Goat Anti-human Immunoglobulins (EnzAbody <sup>®</sup> ) (vial)	Lyophilized with protein stabilizers and FD&C red dye no. 2.	<b>None</b>
	Conjugate Diluent (120 ml bottle)	Phosphate buffered saline containing protein stabilizers and 0.03% (w/v) bromonitrodioxane as preservative.	<b>None</b>
	ABTS Substrate Solution (62 ml bottle)	2,2'-azino-di-[3-ethylbenzthiazoline-6-sulfonate], containing hydrogen peroxide.	<b>None</b>
	Stop Solution (120 ml bottle)	Contains 0.28% sodium fluoride and 0.03% (w/v) bromonitrodioxane as preservative.	<b>None</b>
<p><sup>1</sup>According to the OSHA Hazard Communication Standard (29 CFR 1910.1200), if a mixture contains less than 1% of a hazardous chemical or 0.1% of a carcinogen, the mixture shall not be considered hazardous. Under GHS, the cutoff level for reproductive toxicity, carcinogenicity and category 1 mutagenicity is <math>\geq 0.1\%</math>. The cutoff level for all other hazard classes is <math>\geq 1\%</math></p>			
(b)	GHS label elements, precautionary statements:		
	Kit Component	GHS Label Elements, Precautionary Statements:	
	Dilsim <sup>™</sup> III (120 ml bottle)  Contains: 1.4% Triton X-100	  Signal Word: Warning Hazard Statements H319 Causes serious eye irritation. Precautionary Statements	



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		<p>P264: Wash hands thoroughly after handling.  P280: Wear protective gloves and eye protection.  Response Precautionary Statements  P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  P337 + P313 If eye irritation persists: Get medical attention.</p>
(c)	Hazards not otherwise covered:	<p><sup>2</sup>According to the OSHA Bloodborne Pathogen Standard (29 CFR 1910.1450), all human blood components and certain body fluids must be treated as if known to be infectious for HIV, HBV and other bloodborne pathogens.</p> <p>Caution: Handle all Avioq HIV-1 Microelisa System biological materials as though capable of transmitting infectious agents. The antigen used to coat the microelisa wells and the positive control sera have been inactivated; nevertheless, both should be handled as though they contain potentially infectious agents. Other components prepared from human serum or plasma have been tested using FDA-licensed tests and found to be nonreactive for the presence of HIV-1 antibody, HTLV-I/II antibody, hepatitis B surface antigen (HBsAg) and HCV antibody. However, as no test method can offer complete assurance that infectious agents are absent, all materials of human origin should be handled as though they contain infectious agents.</p>
<b>3. COMPOSITION</b>		
(a)	Mixtures:	Refer to table of Kit Components in Section 2(a).
<b>4. FIRST AID MEASURES</b>		
(a)	Route of Exposure	
	In case of skin contact:	Rinse with plenty of water.
	In case of eye contact	See 2(b).
	If inhaled:	Not an expected route of exposure.
	If swallowed:	Rinse mouth. Do not induce vomiting without medical advice. If unwell, seek medical attention.
(b)	Symptoms of exposure:	None known.
(c)	Indication of immediate medical attention	See 4(a).
<b>5. FIRE-FIGHTING MEASURES</b>		
(a)	Extinguishing media:	The components in this kit do not burn. Use extinguishing media that is appropriate for surrounding fire.
(b)	Specific hazards arising from the product:	Not considered to be a fire or explosion hazard
(c)	Special equipment and precautions for fire-fighters:	None.



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<b>6. ACCIDENTAL RELEASE MEASURES</b>		
(a)	Personal precautions, protective equipment, and emergency procedures:	Use suitable personal protective equipment such as gloves, protective clothing or laboratory coat and eye or face protection to avoid skin and eye contact.
(b)	Methods and materials for containment and cleaning up:	Immediately clean up any spillage of material potentially containing antigen or antibody with a 1:10 dilution of 5% sodium hypochlorite. Dispose of the cleaning material by an acceptable method.
<b>7. HANDLING AND STORAGE</b>		
(a)	Precautions for safe handling:	Avoid contact with skin and eyes. Avoid ingestion and inhalation.
(b)	Precautions for safe storage:	Store between 2-8°C as indicated in the package insert.
<b>8. EXPOSURE CONTROLS/PERSONAL PROTECTION</b>		
(a)	Permissible exposure limits:	No data available.
(b)	Appropriate engineering controls:	General laboratory ventilation is adequate.
(c)	Personal protective equipment:	Appropriate personal protective equipment should be worn to avoid contact with skin and eyes.
<b>9. PHYSICAL AND CHEMICAL PROPERTIES:</b>		
(a)	Appearance:	Multiple kit components.
(b)	Odor:	None reported.
(c)	Odor threshold:	No data available.
(d)	pH:	No data available.
(e)	Melting point/freezing point:	No data available.
(f)	Initial boiling point and boiling range:	No data available.
(g)	Flash point:	No data available.
(h)	Evaporation rate:	No data available.
(i)	Flammability (solid/gas):	No data available.
(j)	Upper/lower flammability or explosive limits:	No data available.
(k)	Vapor pressure:	No data available.
(l)	Vapor density:	No data available.
(m)	Relative density:	No data available.
(n)	Solubility:	No data available.
(o)	Partition coefficient: n-	No data available.



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	octanol/water:	
(p)	Auto-ignition temperature:	No data available.
(q)	Decomposition temperature:	No data available.
(r)	Viscosity:	No data available.
<b>10.</b>	<b>STABILITY AND REACTIVITY</b>	
(a)	Reactivity:	No data available.
(b)	Chemical stability:	No data available.
(c)	Possibility of hazardous reactions:	No data available.
(d)	Conditions to avoid:	No data available.
(e)	Incompatible materials:	No data available.
(f)	Hazardous decomposition products:	No data available.
<b>11.</b>	<b>TOXICOLOGICAL INFORMATION</b>	
(a)	Information of likely routes of exposure:	No data available.
(b)	Symptoms related to the physical, chemical and toxicological characteristics:	No data available.
(c)	Delayed and immediate effects and also chronic effects form short- and long-term exposure:	No data available.
(d)	Numerical measures of toxicity:	No data available.
(e)	Carcinogenicity:	No component of this product present at levels greater than 0.1% are listed by OSHA, IARC, NTP, or CA Prop 65
<b>12.</b>	<b>ECOLOGICAL INFORMATION</b>	
(a)	Eco-toxicity (aquatic and terrestrial, where available):	No data available.
(b)	Persistence and degradability:	No data available.
(c)	Bioaccumulation:	No data available.
(d)	Mobility in soil:	No data available.
(e)	Other adverse effects:	This product released into the environment is not expected to have a significant impact.
<b>13.</b>	<b>DISPOSAL CONSIDERATIONS</b>	
	In accordance with 40 CFR Parts 261.3t this product is not considered to be an EPA Hazardous Waste. Waste generators should always consult with state and local regulations	



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	to ensure complete and accurate classification.		
<b>14.</b>	<b>TRANSPORT INFORMATION</b>		
	Not regulated as a hazardous material.		
<b>15.</b>	<b>REGULATORY INFORMATION</b>		
	SARA 302 Components	No ingredients in this product are subject to the reporting requirements of SARA Title III, Section 302.	
	SARA 313 Components	This product does not contain any ingredients with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.	
	SARA 311/312 Hazards	No SARA Hazards	
	California Prop 65 Components	This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.	
<b>16.</b>	<b>OTHER INFORMATION</b>		
	Kit Component	NFPA Rating	HMIS Rating
	Dilsim™ III (120 ml bottle)	Health Hazard: 1 Fire Hazard: 0 Reactivity Hazard: 0	Health Hazard: 1 Fire Hazard: 0 Physical Hazard: 0