

MATERIAL SAFETY DATA SHEET
Live Antigens - Continued

1. PRODUCT AND COMPANY INFORMATION

Product Name	Avian, mouse, and human viruses and antigens - See attached list of names
Trade Name	NA
Other Identification	NA
Manufacturer/Supplier	Charles River Laboratories, Inc
Address	251 Ballardvale Street, Wilmington, MA 01887
Phone	978-658-6000
Emergency Phone Number	INFOTRAC (800) 535-5053
MSDS First Issued	March 05, 2009
MSDS Data Revised	NA

2. HAZARDS IDENTIFICATION

Routes of Entry	Inhalation, skin contact, ingestion, eye contact
Health Effects – Eyes	May cause eye irritation
Health Effects – Skin	May cause skin irritation
Health Effects – Ingestion	Not available
Health Effects – Inhalation	Not available

CARCINOGENIC EFFECTS: Not available
 MUTAGENIC EFFECTS: Not available
 TERATOGENIC EFFECTS: Not available
 DEVELOPMENTAL TOXICITY: Not available

3. COMPOSITION AND INFORMATION ON INGREDIENTS

Component Name	CAS #	Concentration (%)
Virus infected turkey organs or chicken egg membranes, allantoic fluid, embryo cells, organs or mycoplasma cultures		up to 100%
Various saline solutions		0 to 90%
Lactalbumin hydrolysate solution (lyophilized product)		up to 50% (as a liquid)
SPGA solution (lyophilized product)		up to 33% (as a liquid)
Glycerine		up to 15%
Penicillin/streptomycin solution		may contain up to 3%

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Polymyxin/neomycin-B solution	may contain up to 3%
Bovine, horse, avian sera	may contain up to 10%

4. FIRST AID MEASURES

Fist Aid – Eyes	Immediately flush eyes with large quantities of water for at least 15 minutes. Contact a physician.
First Aid – Skin	Remove contaminated clothing and wash affected areas with soap and water. Contact a physician if irritation persists. Launder clothing prior to reuse.
First Aid – Ingestion	Contact a physician immediately.

5. FIRE FIGHTING MEASURES

Extinguishing Media	Water, Water Mist, Dry Chemical, CO2, or Foam.
Unusual Fire and Explosive Hazards	None
Special Fire Fighting Procedures with	For large fires, fire fighters should be equipped self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Absorb spilled material using appropriate absorbent material such as spill pads, speedi-dry, or paper towel. Place in appropriate waste disposal container.

7. HANDLING AND STORAGE

Protect against physical damage.

8. EXPOSURE CONTROL AND PERSONAL PROTECTION

OSHA Threshold Limit Value: Not available
ACGIH Threshold Limit Value: Not available

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Engineering Control Measures	Follow biosafety level 1 or biosafety level 2 safety practices depending on strain.
Respiratory Protection	Follow biosafety level 1 or biosafety level 2 safety practices depending on strain.
Hand Protection	Use impervious nitrile or latex gloves
Eye Protection	Safety glasses
Body Protection	Lab coat

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White, yellow, orange, or brownish liquid or powder.
Odor	Minimal
Odor Threshold	Not available
Physical State	Liquid or lyophilized
pH	Not available
Melting Point	Not available
Freezing Point	Not available
Boiling Point	Not available
Flash Point	Not available
Evaporation Rate	Not available
Flammability	Not available
Upper Explosive Limit	Not available
Lower Explosive Limit	Not available
Vapor Pressure	Not available
Specific Gravity	Not available
Solubility in Water	Not available
Auto-Ignition Temperature	Not available
Decomposition Temperature	Not available

10. STABILITY AND REACTIVITY

Chemical Stability	Material is stable
Conditions to Avoid	NA
Incompatible Materials	Strong oxidizers
Hazardous Polymerization	Hazardous polymerization will not occur
Hazardous Decomposition Products	Normal byproducts of combustion
Possibility of Hazardous Reactions	NA

11. TOXICOLOGICAL INFORMATION

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Material is biological in nature. Depending on which strain is purchased, material should be handled using biosafety level 1 or biosafety level 2 practices. Review proper technical literature for further information on strains.

12. ECOLOGICAL INFORMATION

Environmental Fate	If released to the environment, material is expected to biodegrade rapidly.
Environmental Toxicity	Not available

13. DISPOSAL CONSIDERATIONS

Disposal should be in accordance with applicable regional, national and local laws and regulations. Local regulations may be more stringent than regional or national requirements.

This information presented below only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations.

Material is not regulated as a hazardous waste under Resource and Recovery Act (RCRA) regulations 40 CFR 261.

14. TRANSPORTATION INFORMATION

DOT		
	New Castle Virus	Category A Infectious Substances
	All others covered by MSDS	Category B Infectious Substances

15. REGULATORY INFORMATION

CERCLA: Not listed
SARA Title III: Not listed

16. OTHER INFORMATION

The information contained herein is based on information that Charles River Laboratories believes to be reliable, but no expressed or implied warranty is made with regards to the accuracy of such data or its suitability for a given situation. Such data relates only to the specific product described and not to such products in

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combination with any other products and no agent of Charles River Laboratories is authorized to vary any such data. Charles River Laboratories and its agents disclaim all liability for any action taken or foregone on reliance upon such data.

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Live antigens covered by this MSDS:

Agent	Strain	Material	Cat. No. Liquid	Cat. No. Lyophilized
Avian Adenovirus Group I (<i>specify Serotype</i>)	Serotypes 1-12*	TC	N/A.....	10100668
Avian Adenovirus Group II (HEV)	Domermuth	SPH.....	10100732.....	10100685
Avian Adenovirus Group I Type 1	CELO-Phelps	AF	10100717.....	10100669
Avian Adenovirus Group I Type 1	CELO-Phelps	AC.....	10100718.....	10100670
Avian Encephalomyelitis.....	van Roekel	BH.....	10100722.....	10100674
Avian Encephalomyelitis.....	van Roekel	AC.....	10100721.....	10100673
Avian Influenza (H9N2).....	Turkey/Wis/66	AF	10100723.....	10100676
Avian Leukosis - Subgroup J.....	Hc-1	TC	10100727.....	10100680
Avian Paramyxovirus Type 2	Yucaipa	AF	10100755.....	10100713
Avian Paramyxovirus Type 3	61/PMV/Wis/68	AF	10100754.....	10100712
Avian Reovirus	S1133	CAMH.....	10100728.....	10100681
Avian Reovirus	S1133	TC.....	10100729.....	10100682
Avian Rotavirus.....	Ch-2	AC.....	10100719.....	10100671
Chicken Anemia Virus	CL-1	TC	10100758.....	10100716
Fowl Pox.....	Connecticut	CAMH.....	10100731.....	10100684
Infectious Bronchitis.....	Arkansas.....	AF	10100735.....	10100688
Infectious Bronchitis.....	Beaudette.....	AF	10100734.....	10100687
Infectious Bronchitis.....	Connecticut	AF	10100736.....	10100689
Infectious Bronchitis.....	DE-072	AF	10100742.....	10100695
Infectious Bronchitis.....	JMK	AF	10100740.....	10100693
Infectious Bursal Disease, Serotype 1	2512	BURH.....	10100745.....	10100698
Infectious Bursal Disease, Serotype 1	2512	AF	10100743.....	10100696
Infectious Bursal Disease, Serotype 1	2512	TC	10100744.....	10100697

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Agent	Strain	Material	Material No. Liquid	Material No. Lyophilized
Infectious Laryngotracheitis	Cover	AF	10100746	10100699
Infectious Laryngotracheitis	Cover	AC	10100747	10100700
Marek's Disease	SB-1	AC	10100748	10100701
Mycoplasma gallisepticum**	A5969	WO	10100749	10100704
Mycoplasma synoviae**	WVU1853	WO	10100750	10100707
Newcastle Disease	LaSota	AF	10100752	10100710
Reticuloendotheliosis	T	TC	10100757	10100715
Reticuloendotheliosis	T	AC	10100756	10100714
Rous Sarcoma Virus A	RSV(RAV)-A	TC	10100725	10100678
Rous Sarcoma Virus B	RSV(RAV)-B	TC	10100726	10100679
Influenza	A/PR/8/34 (H1N1)	AF & purified	10100374 &	10100781
Influenza	A X-31, A/Aichi/68	AF & purified	10100375 &	10100783
Influenza	A/Victoria/3/75	AF & purified	10100376 &	10100785
Influenza	A/Hong Kong/8/68	AF & purified	10100378 &	10100787
Influenza	B/Lee/40	AF & purified	10100379 &	10100788

AC = Antigen Concentrate
TC = Tissue Culture
BURH = Bursal Homogenate

CAMH = Chorio-allantoic Membrane Homogenate
BH = Brain Homogenate
WO = Whole Organism

AF = Allantoic Fluid
I = Inactivated
SPH = Spleen Homogenate