

# ***AVIAN VACCINE SERVICES***

## ***LABORATORY PRODUCTS***

***&***

## ***TESTING SERVICES***

Charles River | Avian Vaccine Services  
Franklin Commons, 106 Route 32, North Franklin, CT 06254, USA  
Phone: 1-800-772-3271 (USA toll-free) • 1-860-889-1389 • Fax: 1-860-889-1991 • E-mail: [csdspf@crl.com](mailto:csdspf@crl.com)

Wire Transfer: JP Morgan, New York, NY, USA, DDA Account #799-761499, ABA# 021000021, SWIFT #CHASUS33  
Checks: Please mail to Charles River Laboratories, G.P.O. Box 27812, New York, NY 10087-7812

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## USDA LICENSED PLATE ANTIGENS AND CONTROL SERA

### USDA LICENSED PLATE ANTIGENS FOR PLATE AGGLUTINATION TESTS

(Store between 2 - 7 °C)

#### MATERIAL NO.

Mycoplasma Gallisepticum Antigen .....	10100760
SPAFAS MG Plate Antigen (10 ml per vial -- 250 Tests)	
Mycoplasma Meleagridis Antigen .....	10100825
SPAFAS MM Plate Antigen (10 ml per vial -- 250 Tests)	
Mycoplasma Synoviae Antigen .....	10100761
SPAFAS MS Plate Antigen (10 ml per vial -- 250 Tests)	
Salmonella Pullorum Antigen .....	10100762
LAH Pullorum Stained Antigen (50 ml per vial -- 1000 Tests)	

### SERUM PLATE ANTISERUM/ANTIBODY

1ml per vial (liquid) (Store at 4° C)

#### MATERIAL NO.

Avibacterium Paragallinarum .....	10100574
(Formerly Hemophilus Paragallinarum)	
Mycoplasma Meleagridis.....	10100708
Mycoplasma Gallisepticum.....	10100703
Mycoplasma Synoviae .....	10100706
Salmonella Polyvalent (Groups B & D) .....	10100702
Negative SPA.....	10100511

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## CHICKEN CELL PRODUCTS

400 million cells or greater per 50 ml vial

### PRIMARY CHICKEN EMBRYO – PREPARED PER ORDER

#### MATERIAL NO.

#### STANDARD CELLS

Fibroblasts ..... 10100795  
 Kidney Cells ..... 10100797  
 Lung Cells ..... 10101814  
*(Lung cells are 200 million cells per order)*

\*Extracted Whole Embryos ..... 10100804

#### ENDOGENOUS GS ANTIGEN FREE CELLS (Formerly Genetic Specific)

Fibroblasts ..... 10100809  
 Kidney Cells ..... 10100812  
 Liver Cells ..... 10100815

#### CAV NEGATIVE CELLS (Flock Source is CAV Negative)

Fibroblasts ..... 10100807  
 Kidney Cells ..... 10100810  
 Liver Cells ..... 10100813  
 \*Dermal Cells ..... 10100803  
*(1 billion cells or greater per 125 ml vial) Requires one week notice prior to ship date.*

#### CAV NEGATIVE GS ANTIGEN FREE CELLS

Fibroblasts (Formerly Genetic Specific).. 10100808  
 Kidney Cells (Formerly Genetic Specific) 10100811  
 Liver Cells (Formerly Genetic Specific) .. 10100814

### SECONDARY CHICKEN EMBRYO – Requires 48 hour notice prior to ship date.

Fibroblasts ..... 10100796

\*Product must be received within 48 hours after shipping.

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**TISSUE CULTURE MEDIA**

Basal Medium Eagles (BME) Containing Fetal Calf Serum and Newborn Calf Serum

	<b>MATERIAL NO.</b>	<b>PER 1 L (2 X 500 ML)</b>
2.5% (2.5% FCS; for use with CEF).....	10100802	
5% (1% FCS & 4% NB; FOR USE WITH CEF AND CEK).....	10100799	
8% (2% FCS & 6% NB; FOR USE WITH CEK & CEL).....	10100801	
10% (2% FCS & 8% NB; FOR USE WITH CED).....	10100824	

**CHICKEN BLOOD PRODUCTS**

Blood products are shipped on Mondays and must be ordered by the previous Thursday at noon EST.

**MATERIAL NO.**

Chicken Red Blood Cells .....	10100767
<i>(5 ml packed red blood cells in Alsevers - Normally 5 day-old chicks)</i>	
Adult Red Blood Cells .....	10100769
<i>(5 ml packed red blood cells in Alsevers)</i>	
Adult Chicken Whole Blood .....	10100768
<i>(10 ml whole blood in Alsevers)</i>	

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## AVIAN ANTISERA

Store Liquid and Lyophilized Antisera at -20°C. All Antisera are heat inactivated.  
**Liquid product available in USA only**

		1 ml	5ml	10ml	50ml	100ml
<b>Avian Adenovirus Group 1 Type 1</b>						
Liquid	Material No.	10100512	10100513	10100514	10100515	10100516
Lyophilized	Material No.	10100384	10100385	10100386	10100387	N/A
<b>Avian Adenovirus Group 1 Type 3</b>						
Liquid	Material No.	10100522	N/A	N/A	N/A	N/A
Lyophilized	Material No.	10100392	N/A	N/A	N/A	N/A
<b>Avian Adenovirus Group 1 Type 5</b>						
Liquid	Material No.	10100527	N/A	N/A	N/A	N/A
Lyophilized	Material No.	10100396	N/A	N/A	N/A	N/A
<b>Avian Adenovirus Group II (HEV)</b>						
Liquid	Material No.	10100575	10100576	10100577	10100578	10100579
Lyophilized	Material No.	10100434	10100435	10100436	10100437	N/A
<b>Avian Encephalomyelitis</b>						
Liquid	Material No.	10100532	10100533	10100534	10100535	10100536
Lyophilized	Material No.	10100400	10100401	10100402	10100403	N/A
<b>Avian Influenza (T/W/66) – H9N2</b>						
Liquid	Material No.	10100537	10100538	10100539	10100540	10100541
Lyophilized	Material No.	10100404	10100405	10100406	10100407	N/A
<b>Avian Influenza (H5N2)</b>						
Liquid	Material No.	10101657	10101658	10101659	10101660	10101661
Lyophilized	Material No.	10101644	10101653	10101654	10101656	N/A
<b>Avian Leukosis Subgroup J</b>						
Liquid	Material No.	10100580	10100581	10100582	10100583	10100584
Lyophilized	Material No.	10100438	10100439	10100440	10100441	N/A
<b>Avian Leukosis RSV-A</b>						
Liquid	Material No.	10100542	10100543	10100544	10100545	10100546
Lyophilized	Material No.	10100408	10100409	10100410	10100411	N/A
<b>Avian Leukosis RSV-B</b>						
Liquid	Material No.	10100564	10100565	10100566	10100567	10100568
Lyophilized	Material No.	10100426	10100427	10100428	10100429	N/A
<b>Avian Paramyxovirus Type 2</b>						
Liquid	Material No.	10100547	10100548	10100549	10100550	10100551
Lyophilized	Material No.	10100412	10100413	10100414	10100415	N/A
<b>Avian Paramyxovirus Type 3</b>						
Liquid	Material No.	10100552	10100553	10100554	10100555	10100556
Lyophilized	Material No.	10100416	10100417	10100418	10100419	N/A
<b>Avian Pneumovirus</b>						
Liquid	Material No.	10100557	10100558	N/A	N/A	N/A
Lyophilized	Material No.	10100420	10100421	N/A	N/A	N/A

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Store Liquid and Lyophilized Antisera at -20°C. All Antisera are heat inactivated.  
**Liquid product available in USA only**

		1 ml	5ml	10ml	50ml	100ml
<b>Avian Reovirus</b>						
Liquid	Material No.	10100559	10100560	10100561	10100562	10100563
Lyophilized	Material No.	10100422	10100423	10100424	10100425	N/A
<b>Avian Rotavirus</b>						
Liquid	Material No.	10100517	10100518	10100519	10100520	10100521
Lyophilized	Material No.	10100388	10100389	10100390	10100391	N/A
<b>Chicken Anemia Virus</b>						
Liquid	Material No.	10100658	10100659	10100660	10100661	10100662
Lyophilized	Material No.	10100498	10100499	10100500	10100501	N/A
<b>Fowl Pox</b>						
Liquid	Material No.	10100569	10100570	10100571	10100572	10100573
Lyophilized	Material No.	10100430	10100431	10100432	10100433	N/A
<b>Infectious Bronchitis (Ark.)</b>						
Liquid	Material No.	10100585	10100586	10100587	10100588	10100589
Lyophilized	Material No.	10100442	10100443	10100444	10100445	N/A
<b>Infectious Bronchitis (Conn.)</b>						
Liquid	Material No.	10100590	10100591	10100592	10100593	10100594
Lyophilized	Material No.	10100446	10100447	10100448	10100449	N/A
<b>Infectious Bronchitis (DE-072)</b>						
Liquid	Material No.	10100605	10100606	10100607	10100608	10100609
Lyophilized	Material No.	10100458	10100459	10100460	10100461	N/A
<b>Infectious Bronchitis (JMK)</b>						
Liquid	Material No.	10100595	10100596	10100597	10100598	10100599
Lyophilized	Material No.	10100450	10100451	10100452	10100453	N/A
<b>Infectious Bronchitis (Mass.)</b>						
Liquid	Material No.	10100600	10100601	10100602	10100603	10100604
Lyophilized	Material No.	10100454	10100455	10100456	10100457	N/A
<b>Infectious Bursal Disease (Standard)</b>						
Liquid	Material No.	10100610	10100611	10100612	10100613	10100614
Lyophilized	Material No.	10100462	10100463	10100464	10100465	N/A
<b>Infectious Bursal Disease (Variant E)</b>						
Liquid	Material No.	10100617	10100618	10100619	10100620	10100621
Lyophilized	Material No.	10100466	10100467	10100468	10100469	N/A
<b>Infectious Laryngotracheitis</b>						
Liquid	Material No.	10100622	10100623	10100624	10100625	10100626
Lyophilized	Material No.	10100470	10100471	10100472	10100473	N/A

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## AVIAN ANTISERA - CONTINUED

Store Liquid and Lyophilized Antisera at -20°C. All Antisera are heat inactivated.  
**Liquid product available in USA only**

		1 ml	5ml	10ml	50ml	100ml
<b>Marek's Disease</b>						
Liquid	Material No.	10100627	10100628	10100629	10100630	10100631
Lyophilized	Material No.	10100474	10100475	10100476	10100477	N/A
<b>Mycoplasma Gallisepticum</b>						
Liquid	Material No.	10100632	10100633	10100634	10100635	10100636
Lyophilized	Material No.	10100478	10100479	10100480	10100481	N/A
<b>Mycoplasma Synoviae</b>						
Liquid	Material No.	10100637	10100638	10100639	10100640	10100641
Lyophilized	Material No.	10100482	10100483	10100484	10100485	N/A
<b>Newcastle Disease</b>						
Liquid	Material No.	10100642	10100643	10100644	10100645	10100646
Lyophilized	Material No.	10100486	10100487	10100488	10100489	N/A
<b>Reticuloendotheliosis</b>						
Liquid	Material No.	10100653	10100654	10100655	10100656	10100657
Lyophilized	Material No.	10100494	10100495	10100496	10100497	N/A

## MISCELLANEOUS ANTISERUM/ANTIBODY

### NEGATIVE SERUM

Sterile chicken serum negative for pathogens as per European Pharmacopeia.  
 All Antisera are heat inactivated.

VIAL SIZE	MATERIAL NO. LIQUID	MATERIAL NO. LYOPHILIZED
1 ml .....	10100506 .....	10100380
5 ml .....	10100507 .....	10100381
10 ml .....	10100508 .....	10100382
50 ml .....	10100509 .....	10100383
100 ml .....	10100510 .....	N/A

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## MISCELLANEOUS ANTISERUM/ANTIBODY - CONTINUED

### POLYCLONAL ANTIBODY

Avian Adenovirus Group III (EDS)

Liquid..... 1 ml ..... Material No. 10100776

Lyophilized..... 1 ml ..... Material No. 10100775

### RABBIT ANTISERUM

Rabbit p27 antiserum was prepared in rabbits using purified virion protein (m.w.=27,000) extracted from avian myeloblastosis virus. Antiserum reacts with all subgroups of Leukosis virus.

Rabbit p27 Antiserum

Liquid ..... Material No. 10100766

Lyophilized..... Material No. 10100763

***These reagents are derived from our Rabbit p27 antiserum. Normal useful working dilution of Anti p27 IgG and Anti p27 conjugate are approximately 1:1000.***

Rabbit Anti-p27 IgG ..... Material No. 10100771 (Lyophilized)

Rabbit Anti-p27 IgG Conjugated to HRP ..... Material No. 10100770 (Lyophilized)

p27 Positive TC Control..... Material No. 10100764 (Lyophilized)

p27 Negative TC Control ..... Material No. 10100765 (Lyophilized)

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## AVIAN ANTIGENS

Lyophilized antigens should be stored at -20°C. Please ask our Customer Service representatives about storage temperatures for liquid antigens. Some products require dry ice for shipping and additional charges may apply. Antigens are sold in 1 ml aliquots.

**Liquid product available in USA only**

Agent	Strain	Material	Material No. Liquid	Material 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 III (EDS-76) .....	CLKK115D.....	AF/I .....	10100720.....	10100672
*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 Influenza Type A .....	Turkey/Wis/66.....	CAMH/I .....	10100724.....	10100677
Avian Influenza Type A (H9N2).....	Turkey/Wis/66.....	AF/I .....	N/A.....	10100675
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.....	AC/I .....	10100733.....	10100686
Infectious Bronchitis .....	Arkansas.....	AF .....	10100735.....	10100688
Infectious Bronchitis .....	Beaudette .....	AF .....	10100734.....	10100687
Infectious Bronchitis .....	Connecticut.....	AF .....	10100736.....	10100689
Infectious Bronchitis .....	Connecticut.....	AC/I .....	10100737 .....	10100690
Infectious Bronchitis .....	DE-072 .....	AC/I .....	10100741 .....	10100694
Infectious Bronchitis .....	DE-072 .....	AF .....	10100742.....	10100695

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Lyophilized antigens should be stored at -20°C. Please ask our Customer Service representatives about storage temperatures for liquid antigens. Some products require dry ice for shipping and additional charges may apply. Antigens are sold in 1 ml aliquots.

**Liquid product available in USA only**

Agent	Strain	Material	Material No. Liquid	Material No. Lyophilized
Infectious Bronchitis .....	JMK .....	AC/I .....	10100738 .....	10100691
Infectious Bronchitis .....	JMK .....	AF .....	10100740 .....	10100693
Infectious Bronchitis .....	Massachusetts.....	AC/I .....	10100739 .....	10100692
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
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
Newcastle Disease.....	LaSota .....	AC/I .....	10100753 .....	10100711
Newcastle Disease.....	LaSota .....	AF/I .....	10100751 .....	10100709
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

\* American Association of Avian Pathologists

\*\* Restoring Buffer (30% glycerin) supplied at no additional charge when purchasing antigen.  
**Material #10100705**

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

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## **MULTIPLEXED FLUOROMETRIC IMMUNOASSAY™ (MFIA™) BEADS AND REAGENTS**

Coated polystyrene beads and reagents for MFIA testing are only authorized for use in testing samples from SPF (Specific Pathogen Free) and or research flocks only.

### **Polystyrene Beads for MFIA**

<b>Bead Package</b>	<b>Agents Included</b>
Poultry Tracking (12 Panel)	HEV, AE, ANV, PMV-2, REO, F. Pox, IBV, IBDV, ALV-A, ALV-B, ALV-J, NDV
Poultry Assessment Plus (22 Panel)	12 panel and Adeno Grp I, Adeno Grp III, AI, Rota, ILT, MD, Rev, MG, MS, & Salmonella Pullorum-Gallinarum)

<b>Reagents</b>	<b>Volume</b>	<b>Material No.</b>
12 Panel Poultry Tracking Beads.....	0.3 ml .....	TBD
22 Panel Poultry Assessment Beads.....	0.3 ml .....	TBD
Poultry Tracking Control Set .....	0.3 ml .....	TBD
Poultry Assessment Control Set .....	0.3 ml .....	TBD
Biotinylated Rabbit anti-Chicken IgY.....	165 ul.....	TBD
Streptavidin-R Phycoerythrin (SPE).....	90 ul .....	TBD
Primary Diluent (Serum Diluent) .....	110 ml.....	TBD

### **CUSTOM PANELS**

Bead panels and control sets can be prepared with just the specific pathogens you want. Contact Charles River Avian Vaccine Services for more information.

Charles River | Avian Vaccine Services  
Franklin Commons, 106 Route 32, North Franklin, CT 06254, USA  
Phone: 1-800-772-3271 (USA toll-free) • 1-860-889-1389 • Fax: 1-860-889-1991 • E-mail: [csdspf@crl.com](mailto:csdspf@crl.com)

*Wire Transfer: JP Morgan, New York, NY, USA, DDA Account #799-761499, ABA# 021000021, SWIFT #CHASUS33  
Checks: Please mail to Charles River Laboratories, G.P.O. Box 27812, New York, NY 10087-7812*

## HUMAN INFLUENZA VIRUS

INFLUENZA VIRUSES ARE SUPPLIED AS ALLANTOIC FLUID, GRADIENT PURIFIED, HA SOLUBLEIZED, AND CONCENTRATES. PRODUCTS CAN BE PREPARED WITH CUSTOMER SUPPLIED BIO-SAFETY LEVEL 1 AND 2 VIRUSES UPON REQUEST. SIGNIFICANT QUANTITIES OF OTHER VOLUMES AND/OR CONCENTRATIONS CAN ALSO BE MADE UPON REQUEST. THE FOLLOWING STRAINS ARE CURRENTLY AVAILABLE:

	PURIFIED (2mg/ml) MATERIAL NO. -	PURIFIED & INACTIVATED (2mg/ml) MATERIAL NO. -	ALLANTOIC FLUID MATERIAL NO. -
Influenza A/PR/8/34 (H1N1) .....	10100374 - .....	10100782 - .....	10100781 -
Influenza A X-31, A/Aichi/68 (H3N2) .....	10100375 - .....	10100784 - .....	10100783 -
Influenza A/Victoria/3/75 (H3N2) .....	10100376 - .....	N/A.....	10100785 -
Influenza A/Hong Kong/8/68 (H3N2).....	10100378 - .....	N/A.....	10100787 -
Influenza B/Lee/40.....	10100379 - .....	N/A.....	10100788 -

## HUMAN INFLUENZA AVIAN ANTISERA

Store Liquid and Lyophilized Antisera at -20°C. All Antisera are heat inactivated.

Liquid product available in USA only

	1 ml	5ml	10ml	50ml	100ml
<b>Influenza A/PR/8/34</b>					
Liquid	Material No. .... 10100663 .....	10100664 .....	10100665 .....	10100666.....	10100667
Lyophilized	Material No. .... 10100502 .....	10100503 .....	10100504 .....	10100505.....	N/A

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**SENDAI VIRUS**

Sendai virus (Cantell Strain) supplied as sterile, clarified allantoic fluid.  
Minimum HA titer of 2000 HA units/ml.

SIZE	MATERIAL NO.
1 ml .....	10100816
100 ml .....	10100774
400 ml .....	10100773
800 ml .....	10100772

**SENDAI VIRUS (CANTELL STRAIN) SUPPLIED AS SUCROSE GRADIENT PURIFIED @ 2MG/ML**

MATERIAL NO.
Sendai Cantell Purified Antigen .....10100823 @ 2mg/ml – Liquid

**SENDAI AVIAN ANTISERA**

Store Liquid and Lyophilized Antisera at -20°C. All Antisera are heat inactivated.

Liquid product available in USA only

	1 ml	5ml	10ml	50ml	100ml
<b>Sendai</b>					
Liquid	Material No. .... 10100648	.....10100649	..... 10100650	..... 10100651	..... 10100652
Lyophilized	Material No. .... 10100490	.....10100491	..... 10100492	..... 10100493	..... N/A

There is a minimum order charge of \$75 for all products and testing services.

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## **AVIAN TESTING SERVICES**

### **ELISA**

(Provide 0.1 ml serum per test)

### **MATERIAL NO.**

Avian Encephalomyelitis .....	15100003
Avian Influenza .....	15100004
Avian Leukosis (p27 antigen detection) (0.5 ml) .....	15100005
Avian Reovirus .....	15100006
Avian Rhinotracheitis Virus .....	15100007
CAV Elisa .....	15100008
Infectious Bronchitis .....	15100009
Infectious Bursal Disease .....	15100010
Infectious Laryngotracheitis .....	15100011
Newcastle Disease .....	15100014

### **Serum Plate Agglutination Tests**

(Provide 0.1 ml serum per test)

### **MATERIAL NO.**

Mycoplasma Gallisepticum .....	15100012
Mycoplasma Synoviae .....	15100013
Salmonella Pullorum-Gallinarum .....	15100016

### **HA-HI Tests**

(Provide 0.025 ml serum per test)

### **MATERIAL NO.**

Adenovirus Group III (EDS 76) .....	15100019
Avian Influenza Type A .....	15100020
Avian Paramyxovirus Type 2 .....	15100029
Avian Paramyxovirus Type3 .....	15100030
Human Influenza A/PR/8/34 .....	15100098
Infectious Bronchitis (Ark) .....	15100021
Infectious Bronchitis (Conn.) .....	15100022
Infectious Bronchitis (DE-072) .....	15100025
Infectious Bronchitis (JMK) .....	15100023
Infectious Bronchitis (Mass) .....	15100024
Mycoplasma Gallisepticum .....	15100026
Mycoplasma Synoviae .....	15100027
Newcastle Disease .....	15100028

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## **AVIAN TESTING SERVICES - CONTINUED**

### **Serum Neutralization Tests (in SPF Eggs) MATERIAL NO.**

9CFR 113.300 (c)(2) (Provide 2.0 ml serum per SN test)

Avian Adenovirus (CELO-Phelps) .....	15100032
Avian Encephalomyelitis .....	15100033
Infectious Bronchitis (Ark).....	15100034
Infectious Bronchitis (Conn.).....	15100035
Infectious Bronchitis (JMK) .....	15100036
Infectious Bronchitis (Mass).....	15100037
Infectious Bursal Disease (Gumboro).....	15100038
Infectious Bursal Disease (Variant E) .....	15100039
Infectious Laryngotracheitis .....	15100040
Newcastle Disease .....	15100041

### **Agar Gel Precipitin Tests**

### **MATERIAL NO.**

(Provide 0.050 ml serum per test)

Avian Adenovirus Group I.....	15100042
Avian Adenovirus Group II (HEV) .....	15100048
Avian Encephalomyelitis .....	15100043
Avian Reovirus (Viral Arthritis).....	15100045
Avian Rotavirus .....	15100046
Fowl Pox .....	15100047
Infectious Bursal Disease (Gumboro).....	15100050
Infectious Bursal Disease Sero Type 2.....	15100052
Infectious Laryngotracheitis .....	15100051
Influenza .....	15100044
Marek's Disease .....	15100053
Newcastle Disease .....	15100054
Reticuloendotheliosis .....	15100055

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## AVIAN TESTING SERVICES - CONTINUED

### Microneutralization Tests

### MATERIAL NO.

(Provide 0.25 ml serum per test)

Avian Adenovirus .....	15100056
<i>(each sample tested individually for 12 serotypes)</i>	
Avian Reovirus .....	15100057
RSV-A .....	15100083
RSV-B .....	15100084
Avian Leukosis Subgroup J .....	15100085

### IFA Testing

### MATERIAL NO.

(Provide 0.1 ml per serum sample)

Chicken Anemia Virus .....	15100075
Avian Nephritis Virus .....	15100078
Avian Reovirus .....	15100080
Reticuloendotheliosis Virus .....	15100081

### 9CFR Testing

### MATERIAL NO.

(Provide quantities and volumes as listed in the appropriate 9CFR)

9CFR 113.26 Detection of Viable Bacteria and Fungi Except in Live Vaccine .....	15100071
9CFR 113.27 Detection of Extraneous Viable Bacteria and Fungi in Live Vaccine ....	15100070
9CFR 113.28 Detection of Mycoplasma Contamination.....	15100072
9CFR 113.30 Detection of Salmonella Contamination .....	15100073
9CFR 113.31 Detection of Avian Lymphoid Leukosis .....	15100059
<i>(A p27 ELISA is performed in place of CF)</i>	
9CFR 113.34 Detection of Hemagglutinating viruses.....	15100067
9CFR 113.37 Detection of Pathogens by the Chicken Embryo Inoculation Test.....	15100068
9CFR 113.46 Detection of Cytopathogenic and/or Hemadsorbing Agents .....	15100069
9CFR 113.55 Detection of Extraneous agents in Master Seed Virus .....	15100074

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## AVIAN TESTING SERVICES - CONTINUED

**PCR Tests** **MATERIAL NO.**  
 (Provide 0.25 ml per sample)

**Gel Based PCR** – Price based on 1 – 10 samples

Chicken Anemia Virus.....	15100076
Mycoplasma synoviae and gallisepticum.....	15100061
Reticuloendotheliosis (REV).....	15100062
Avian Influenza.....	15100237

**RT PCR (End Point) –**

Avian Adenovirus Group I.....	15100099
Avian Adenovirus Group II (HEV).....	15100100
Avian Adenovirus Group III (EDS).....	15100309
Avian Encephalomyelitis.....	15100101
Avian Reovirus.....	15100105
Avian Leukosis Subgroup A.....	15100102
Avian Leukosis Subgroup B.....	15100103
Avian Leukosis Subgroup J.....	15100104
Chicken Anemia Virus.....	15100106
Mycoplasma synoviae and gallisepticum.....	15100107
Reticuloendotheliosis.....	15100108
Salmonella pullorum.....	15100109
Other PCR tests available.....	15100063

### MULTIPLEXED FLUOROMETRIC IMMUNOASSAY™ (MFIA™) TESTS

**MFIA Tests** **MATERIAL NO.**  
 (Provide 0.05 ml per sample)

12 Panel MFIA Test.....	15100327
<i>(HEV, AE, ANV, PMV-2, Reo, F. Pox, IBV, IBDV, ALV-A, ALV-B, ALV-J, NDV)</i>	
22 Panel MFIA Test.....	15100329
<i>(12 panel and Adeno Grp I, Adeno Grp III, AI, Rota, ILT, MD, Rev, MG, MS, &amp; Salmonella Pullorum-Gallinarum)</i>	

**MFIA testing can only be performed on SPF and research flocks. Call for more information.**

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**Other Tests**

**MATERIAL NO.**

(provide 1.0 ml per sample)

Avian Encephalomyelitis Flock Susceptibility .....	15100082
COFAL (10 day test) .....	15100060
Salmonella pullorum microtiter .....	15100017
Vaccine Potency Test - Single Vaccine .....	15100064
Virus Titration .....	15100065
Virus Isolations.....	15100066
Marek's Disease Vaccine Titrations	

There is a minimum order charge of \$75 for all products and testing services.

**VACCINE SUPPORT SERVICES**

Progeny challenge studies in our new animal facility are provided to support your technical service department. We work with a wide range of pathogens from Infectious Bursal Disease Virus to Coccidia. Contact us directly to pursue this valuable tool.

**Bursal Disease Progeny Challenge.....** Material No. 15100097

Other virus and pathogens are available at request.

In addition to supporting your technical services department, our laboratories provide commercial poultry virus isolation. Isolated virus can be expanded upon request.

From SPF embryonated eggs to USDA-licensed antigen production for Future Manufacturing (FFM), you can turn to Charles River Avian Products and Services. We offer outsourcing of virus preparations prepared in SPF embryonated eggs, tissue culture, and in poultry. We offer pre-incubated extracted embryos and avian cell production. They can be produced in large or small quantities to meet your needs. The addition of a new laboratory facility enables us to provide these services in an expanding capacity.

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