



2019 Laboratory Products & Testing Services Price List

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About Charles River Avian Vaccine Services

Whether you are a vaccine manufacturer or virus researcher, we understand that you require a reliable supply of high-quality specific pathogen-free eggs and related avian products and support services. You need confidence that your source will deliver products that are produced under rigid biosecurity and quality control to ensure the best results for your target virus. For more than five decades, Charles River Avian Vaccine Services has been recognized as a partner you can depend on to consistently support your needs.

Our SPF technology provides vaccine manufacturers and researchers the comfort of knowing that the raw materials used in their manufacturing process are free of extraneous agents. As the world's first commercial supplier, Charles River has established flock handling and egg production procedures that set the global industry standard. You can depend on our avian laboratory expertise to continue to develop product lines that offer the highest quality SPF poultry products.

- **avian antigens & antisera**
- **human virus antigens & antisera**
- **spf chicken eggs and spf chickens**
- **avian diagnostic & regulatory testing**
- **chicken cell products**
- **mycoplasma and pullorum plate antigens**
- **R&D services**
- **vaccine support services**

Ordering Information

Terms and Conditions: All sales are subject to Charles River terms and conditions of sales, located at: <http://www.criver.com/files/pdfs/rms/us-model-pricing/tandcs.aspx>

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

Charles River Avian Vaccine Services
1 Wisconsin Avenue, Suite 100
Norwich, CT 06360, USA

USA Toll Free Phone: 800 772 3271
Phone: 860 889 1389
Fax: 860 889 1991
E-mail: 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

For more information or to obtain technical documentation, please visit our website at www.criver.com.

Mycoplasma and Pullorum Plate Antigens and Control Sera

USDA Licensed Plate Antigens for Plate Agglutination Tests

(Store between 2–7°C)

	Material #	Price
Mycoplasma Gallisepticum Antigen SPAFAS MG Plate Antigen (10 ml per vial–250 Tests)	10100760	\$40.25/vial
Mycoplasma Meleagridis Antigen SPAFAS MM Plate Antigen (10 ml per vial–250 Tests)	10100825	\$227.00/vial
Mycoplasma Synoviae Antigen SPAFAS MS Plate Antigen (10 ml per vial–250 Tests)	10100761	\$111.55/vial
Salmonella Pullorum Antigen - Pullorum Stained Antigen (40 ml per vial–1000 Tests)	10105346	\$136.35/vial

Serum Plate Antiserum/Antibody

1ml per vial (liquid) (Store at 4°C)

	Material #	Price
Mycoplasma Gallisepticum	10100703	\$68.95/ml
Mycoplasma Meleagridis	10100708	\$68.95/ml
Mycoplasma Synoviae	10100706	\$68.95/ml
Salmonella Polyvalent (Groups B & D)	10100702	\$68.95/ml
Negative SPA	10100511	\$68.95/ml

Chicken Cell Products

These cells are prepared and shipped fresh each day per order. We use our own SPF chicken embryos and media containing irradiated serum from negligible risk BSE countries. We offer three quality groups of cells like our SPF eggs. Standard, CAV negative, and CAV negative group specific (GS) antigen free cells which are C/O and not resistant to any of the Avian Leukosis Virus subgroups. For best results use immediately upon receipt.

Primary Chicken Embryo Cells

400 million cells or greater per 50 ml vial. (Store between 2–7°C)

Standard Cells	Material #	1–4 Vials	5+ Vials
Fibroblasts	10100795	\$427.85	\$407.00
Kidney Cells	10100797	\$467.55	\$444.85

CAV Negative Cells (Flock Source is CAV Negative)	Material #	1–4 Vials	5+ Vials
Fibroblasts	10100807	\$507.50	\$489.40
Kidney Cells	10100810	\$544.00	\$525.65
Dermal Cells*	10100803	\$710.05	\$684.60

*1 billion cells or greater per 125 ml vial. Requires a 2 week notice prior to ship date.

CAV Negative GS Antigen Free Cells	Material #	1–4 Vials	5+ Vials
Fibroblasts (Formerly Genetic Specific)	10100808	\$561.50	\$538.45
Kidney Cells (Formerly Genetic Specific)	10100811	\$613.40	\$590.45
Liver Cells (Formerly Genetic Specific)	10100814	\$613.40	\$590.45

Tissue Culture Media

Basal Medium Eagles (BME) containing irradiated fetal calf serum and or newborn calf serum sourced from negligible risk BSE countries.

Media Type	Material #	Per 1 L (2 X 500 ML)
2.5% (2.5% FCS; for use with CEF)	10100802	\$98.95
5% (1% FCS & 4% NB; for use with CEF)	10100799	\$137.75
8% (2% FCS & 6% NB; for use with CEK & CEL)	10100801	\$140.50
10% (2% FCS & 8% NB; for use with CED)	10100824	\$175.15

Chicken Blood Products

Blood products are prepared from SPF Chickens. They are processed and shipped on Mondays and must be ordered by the previous Wednesday at noon EST.

	Material #	Per Vial
Chicken Red Blood Cells (5 ml packed red blood cells in Alsevers - Normally 5 day-old chicks)	10100767	\$360.65
Adult Red Blood Cells (5 ml packed red blood cells in Alsevers)	10100769	\$275.00
Adult Chicken Whole Blood (10 ml whole blood in Alsevers)	10100768	\$179.30

Spotted Slides

12 spots per slide fixed in and inactivated with acetone. Store @ at -20°C.

		Material #	Each
Slide: 12 Spots per slide	Avian Nephritis Virus	10102766	\$40.35
	Chicken Anemia Virus	10102767	\$27.50
Positive Control Sera: 1 ml lyophilized	Avian Nephritis Virus	10102768	\$77.45
	Chicken Anemia Virus	10100498	\$77.45
Negative Control Sera: 1 ml lyophilized		10100380	\$73.65

Avian Antisera

Store liquid and lyophilized antisera at -20°C. All antisera are heat inactivated.

Liquid product available in the USA only

	1 ml \$77.45	5 ml \$268.05	10 ml \$390.15	50 ml \$1107.65	100 ml \$1684.60
Avian Adenovirus Group 1 Type 1 Liquid Lyophilized	10100512 10100384	10100513 10100385	10100514 10100386	10100515 10100387	10100516 N/A
Avian Adenovirus Group 1 Type 3 Liquid Lyophilized	10100522 10100392	N/A N/A	N/A N/A	N/A N/A	N/A N/A
Avian Adenovirus Group 1 Type 5 Liquid Lyophilized	10100527 10100396	N/A N/A	N/A N/A	N/A N/A	N/A N/A
Avian Adenovirus Group II (HEV) Liquid Lyophilized	10100575 10100434	10100576 10100435	10100577 10100436	10100578 10100437	10100579 N/A
Avian Encephalomyelitis Liquid Lyophilized	10100532 10100400	10100533 10100401	10100534 10100402	10100535 10100403	10100536 N/A
Avian Influenza (T/W/66) – H9N2 Liquid Lyophilized	10100537 10100404	10100538 10100405	10100539 10100406	10100540 10100407	10100541 N/A
Avian Influenza (H5N2) Liquid Lyophilized	10101657 10101644	10101658 10101653	10101659 10101654	10101660 10101656	10101661 N/A
Avian Leukosis Subgroup J Liquid Lyophilized	10100580 10100438	10100581 10100439	10100582 10100440	10100583 10100441	10100584 N/A
Avian Leukosis RSV-A Liquid Lyophilized	10100542 10100408	10100543 10100409	10100544 10100410	N/A N/A	N/A N/A
Avian Leukosis RSV-B Liquid Lyophilized	10100564 10100426	10100565 10100427	10100566 10100428	N/A N/A	N/A N/A
Avian Nephritis Virus Liquid Lyophilized	N/A 10102768	N/A 10102769	N/A	N/A	N/A
Avian Paramyxovirus Type 2 Liquid Lyophilized	10100547 10100412	10100548 10100413	10100549 10100414	10100550 10100415	10100551 N/A
Avian Paramyxovirus Type 3 Liquid Lyophilized	10100552 10100416	10100553 10100417	10100554 10100418	10100555 10100419	10100556 N/A

Avian Antisera, continued

Store liquid and lyophilized antisera at -20°C. All antisera are heat inactivated.

Liquid product available in the USA only

	1 ml \$77.45	5 ml \$268.05	10 ml \$390.15	50 ml \$1107.65	100 ml \$1684.60
Avian Pneumovirus					
Liquid	10100557	10100558	N/A	N/A	N/A
Lyophilized	10100420	10100421	N/A	N/A	N/A
Avian Reovirus					
Liquid	10100559	10100560	10100561	10100562	10100563
Lyophilized	10100422	10100423	10100424	10100425	N/A
Avian Rotavirus					
Liquid	10100517	10100518	10100519	10100520	10100521
Lyophilized	10100388	10100389	10100390	10100391	N/A
Chicken Anemia Virus					
Liquid	10100658	10100659	10100660	10100661	10100662
Lyophilized	10100498	10100499	10100500	10100501	N/A
Fowl Pox					
Liquid	10100569	10100570	10100571	10100572	10100573
Lyophilized	10100430	10100431	10100432	10100433	N/A
Infectious Bronchitis (Ark.)					
Liquid	10100585	10100586	10100587	10100588	10100589
Lyophilized	10100442	10100443	10100444	10100445	N/A
Infectious Bronchitis (Conn.)					
Liquid	10100590	10100591	10100592	10100593	10100594
Lyophilized	10100446	10100447	10100448	10100449	N/A
Infectious Bronchitis (DE-072)					
Liquid	10100605	10100606	10100607	10100608	10100609
Lyophilized	10100458	10100459	10100460	10100461	N/A
Infectious Bronchitis (JMK)					
Liquid	10100595	10100596	10100597	10100598	10100599
Lyophilized	10100450	10100451	10100452	10100453	N/A
Infectious Bronchitis (Mass.)					
Liquid	10100600	10100601	10100602	10100603	10100604
Lyophilized	10100454	10100455	10100456	10100457	N/A
Infectious Bursal Disease (Standard)					
Liquid	10100610	10100611	10100612	10100613	10100614
Lyophilized	10100462	10100463	10100464	10100465	N/A
Infectious Bursal Disease (Variant E)					
Liquid	10100617	10100618	10100619	10100620	10100621
Lyophilized	10100466	10100467	10100468	10100469	N/A
Infectious Laryngotracheitis					
Liquid	10100622	10100623	10100624	10100625	10100626
Lyophilized	10100470	10100471	10100472	10100473	N/A

Avian Antisera, continued

Store liquid and lyophilized antisera at -20°C. All antisera are heat inactivated.

Liquid product available in the USA only

	1 ml \$77.45	5 ml \$268.05	10 ml \$390.15	50 ml \$1107.65	100 ml \$1684.60
Marek's Disease					
Liquid	10100627	10100628	10100629	10100630	10100631
Lyophilized	10100474	10100475	10100476	10100477	N/A
Mycoplasma Gallisepticum					
Liquid	10100632	10100633	10100634	10100635	10100636
Lyophilized	10100478	10100479	10100480	10100481	N/A
Mycoplasma Synoviae					
Liquid	10100637	10100638	10100639	10100640	10100641
Lyophilized	10100482	10100483	10100484	10100485	N/A
Newcastle Disease					
Liquid	10100642	10100643	10100644	10100645	10100646
Lyophilized	10100486	10100487	10100488	10100489	N/A
Reticuloendotheliosis					
Liquid	10100653	10100654	10100655	10100656	10100657
Lyophilized	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 # Liquid	Material # Lyophilized	Price Per Vial
1 ml	10100506	10100380	\$73.65
5 ml	10100507	10100381	\$254.65
10 ml	10100508	10100382	\$362.60
50 ml	10100509	10100383	\$1001.25
100 ml	10100510	N/A	\$1546.70

Miscellaneous Antiserum/Antibody, continued

Polyclonal Antibody

Avian Adenovirus Group III (EDS)	Material #	Price
Liquid 1 ml	10100776	\$77.45/ml
Lyophilized 1 ml	10100775	\$77.45/ml

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	Material #	Price
Liquid	10100766	\$206.90/ml
Lyophilized	10100763	\$206.90/ml

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 p27 Antiserum	Material #	Price
Rabbit Anti-p27 IgG (Lyophilized)	10100771	\$772.00/ml
Rabbit Anti-p27 IgG Conjugated to HRP (Lyophilized)**	10100770	\$660.80/ml
p27 Positive TC Control (Lyophilized)	10100764	\$99.20/ml
p27 Negative TC Control (Lyophilized)	10100765	\$99.20/ml

** Restoring Buffer (30% glycerin) supplied at no additional charge when purchasing conjugate. Material # 10100705 for \$14.30/ml if sold separately.

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 the USA only

Agent	Strain	Material	Material # Liquid	Material # Lyophilized	Price
Avian Adenovirus Group I (<i>specify Serotype</i>)	Serotypes 1-12*	TC	N/A	10100668	\$89.85/ml
Avian Adenovirus Group I Type 1*	CELO-Phelps	AF	10100717	10100669	\$89.85/ml
Adenovirus Group I Type 1*	CELO-Phelps	AC	10100718	10100670	\$121.85/ml
Avian Adenovirus Group II (HEV)	Domermuth	SPH	10100732	10100685	\$160.60/ml
Avian Adenovirus Group III (EDS-76)	CLKK115D	AF/I	10100720	10100672	\$107.75/ml
Avian Encephalomyelitis	van Roekel	BH	10100722	10100674	\$89.85/ml
Avian Encephalomyelitis	van Roekel	AC	10100721	10100673	\$330.45/ml
Avian Influenza Type A (H9N2)	Turkey/Wis/66	AF	10100723	10100676	\$89.85/ml
Avian Influenza Type A	Turkey/Wis/66	CAMH/I	10100724	10100677	\$121.85/ml
Avian Influenza Type A (H9N2)	Turkey/Wis/66	AF/I	N/A	10100675	\$93.50/ml
Avian Leukosis - Subgroup J	Hc-1	TC	10100727	10100680	\$89.85/ml
Avian Paramyxovirus Type 2	Yucaipa	AF	10100755	10100713	\$89.85/ml
Avian Paramyxovirus Type 3	61/PMV/Wis/68	AF	10100754	10100712	\$89.85/ml
Avian Reovirus	S1133	CAMH	10100728	10100681	\$121.85/ml
Avian Reovirus	S1133	TC	10100729	10100682	\$89.85/ml
Avian Rotavirus	Ch-2	AC	10100719	10100671	\$172.75/ml
Chicken Anemia Virus	CL-1	TC	10100758	N/A	\$89.85/ml
Fowl Pox	Connecticut	CAMH	10100731	10100684	\$121.85/ml
Infectious Bronchitis	Arkansas 99	AC/I	10100733	10100686	\$113.35/ml
Infectious Bronchitis	Arkansas	AF	10100735	10100688	\$89.85/ml
Infectious Bronchitis	Beadette (Massachusetts)	AF	10100734	10100687	\$89.85/ml
Infectious Bronchitis	Connecticut A5968	AF	10100736	10100689	\$89.85/ml
Infectious Bronchitis	Connecticut A5968	AC/I	10100737	10100690	\$113.35/ml
Infectious Bronchitis	DE-072	AC/I	10100741	10100694	\$113.35/ml

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 the USA only

Agent	Strain	Material	Material # Liquid	Material # Lyophilized	Price
Infectious Bronchitis	DE-072	AF	10100742	10100695	\$89.85/ml
Infectious Bronchitis	JMK	AC/I	10100738	10100691	\$113.35/ml
Infectious Bronchitis	JMK	AF	10100740	10100693	\$89.85/ml
Infectious Bronchitis	Massachusetts 66579	AC/I	10100739	10100692	\$113.35/ml
Infectious Bursal Disease, Serotype 1	M4040 (2512)	BURH	10100745	10100698	\$166.20/ml
Infectious Bursal Disease, Serotype 1	M4040 (2512)	AF	10100743	10100696	\$89.85/ml
Infectious Bursal Disease, Serotype 1	M4040 (2512)	TC	10100744	10100697	\$89.85/ml
Infectious Laryngotracheitis	Cover	AF	10100746	10100699	\$89.85/ml
Infectious Laryngotracheitis	Cover	AC	10100747	10100700	\$121.85/ml
Marek's Disease	SB-1	AC	10100748	10100701	\$172.75/ml
Mycoplasma Gallisepticum**	A5969	WO	10100749	10100704	\$95.40/ml
Mycoplasma Synoviae**	WVU1853	WO	10100750	10100707	\$176.50/ml
Newcastle Disease	LaSota	AF	10100752	10100710	\$89.85/ml
Newcastle Disease	LaSota	AC/I	10100753	10100711	\$121.85/ml
Newcastle Disease	LaSota	AF/I	10100751	10100709	\$93.50/ml
Reticuloendotheliosis	T	TC	10100757	10100715	\$89.85/ml
Reticuloendotheliosis	T	AC	10100756	10100714	\$172.75/ml
Rous Sarcoma Virus A	RSV(RAV)-A	TC	10100725	10100678	\$89.85/ml
Rous Sarcoma Virus B	RSV(RAV)-B	TC	10100726	10100679	\$89.85/ml

*American Association of Avian Pathologists

**Restoring Buffer (30% glycerin) supplied at no additional charge when purchasing MG or MS antigen. Material #10100705 for \$14.30/ml if sold separately.

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

Multiplexed Fluorometric Immunoassay[®] (MFIA[®]) Beads and Reagents

Coated polystyrene beads and reagents for MFIA[®] testing are authorized for use with testing chicken samples from SPF (Specific Pathogen Free) and or research flocks only. For detailed information and or to place an order; contact lab services at 781.222.6701 or WLM-RMSRevenueSupport@crl.com and WLM-Team5@crl.com.

Polystyrene Beads for MFIA[®]

Bead Package	Agents Included
Poultry Tracking (14 Panel)	HEV, AE, ANV, PMV-2, REO, F. Pox, IBV, IBDV, ALV-A, ALV-B, ALV-J, NDV, AI & ILT
Poultry Assessment Plus (22 Panel)	14 panel and Adeno Grp I, Adeno Grp III, Rota, MD, Rev, MG, MS, & Salmonella Pullorum-Gallinarum

Reagents	Volume	Material #	Price
14 Panel Poultry Tracking Beads	0.3 ml	10101752	\$754.00
Poultry Tracking Control Set	0.3 ml	10101773	\$354.10
22 Panel Poultry Assessment Beads	0.3 ml	10101422	\$1038.45
Poultry Assessment Control Set	0.3 ml	10101467	\$470.10
Biotin-labeled Rabbit anti-Chicken IgY MFIA [®] Conjugate.	<= 165 ul	10101446	\$219.70
Streptavidin-R Phycoerythrin (SPE)	<= 90 ul	10101479	\$242.75
Primary Diluent (Serum Diluent)	110 ml	10101476	\$194.30

Custom Panels

Bead panels and control sets can be prepared with just the specific pathogens you want.

Human Influenza Virus

Influenza viruses are supplied as allantoic fluid, gradient purified, HA solubilized, and concentrates. The following BSL-2 strains are currently available and are tested for HA and EID50 titers. For best stability, store these at or below -70°C. Customer supplied seeds may also be submitted for propagation provided that they are bio-safety level 1 and 2 virus strains.

	Purified (2mg/ml) Material # / Price	Purified & Inactivated (2mg/ml) Material # / Price	Allantoic Fluid Material # / Price
Influenza A/PR/8/34 (H1N1)	10100374 / \$328.10	10100782 / \$804.50	10100781 / \$171.70
Influenza A X-31, A/Aichi/68 (H3N2)	10100375 / \$418.10	10100784 / \$894.55	10100783 / \$171.70
Influenza A/Victoria/3/75 (H3N2)	10100376 / \$473.35	N/A	10100785 / \$171.70
Influenza A/Hong Kong/8/68 (H3N2)	10100378 / \$418.10	N/A	10100787 / \$171.70
Influenza B/Lee/40	10100379 / \$418.10	N/A	10100788 / \$171.70

Human Influenza Avian Antisera

Store liquid and lyophilized antisera at -20°C. All antisera are heat inactivated.

Liquid product available in the USA only.

	1 ml \$77.45	5 ml \$268.05	10 ml \$390.15	50 ml \$1107.65	100 ml \$1684.60
Influenza A/PR/8/34					
Liquid	10100663	10100664	10100665	10100666	10100667
Lyophilized	10100502	10100503	10100504	10100505	N/A

Sendai Virus

Sendai virus (Cantell Strain) supplied as sterile, clarified allantoic fluid. For best stability, store these at or below -70°C. Minimum titers of 2000 HA units/ml and 8.0 log 10 EID50/ml.

Size	Material #	Price
1 ml	10100816	\$171.70
100 ml	10100774	\$532.15
400 ml	10100773	\$809.20
800 ml	10100772	\$1339.40

Sendai Virus (Cantell Strain) Supplied as Sucrose Gradient Purified @ 2 mg/ml

	Material #	Price
Sendai Cantell Purified Antigen 1 ml (Liquid)	10100823	\$380.65

Sendai Avian Antisera

Store liquid and lyophilized antisera at -20°C. All antisera are heat inactivated.

Liquid product available in the USA only.

	1 ml \$77.45	5 ml \$268.05	10 ml \$390.15	50 ml \$1107.65	100 ml \$1684.60
Sendai					
Liquid	10100648	10100649	10100650	10100651	10100652
Lyophilized	10100490	10100491	10100492	10100493	N/A

Avian Testing Services

Multiplexed Fluorometric Immunoassay® (MFIA®) Tests

(Provide 0.05 ml per sample) Testing will be performed on individual chicken samples.

	Test #	Price
14 Panel MFIA® Test (HEV, AE, ANV, PMV-2, Reo, F. Pox, IBV, IBDV, ALV-A, ALV-B, ALV-J, NDV, AI & ILT)	15100327	\$24.60
22 Panel MFIA® Test (14 panel and Adeno Grp I, Adeno Grp III, Rota, MD, Rev, MG, MS, & Salmonella Pullorum-Gallinarum)	15100329	\$30.85
Single Plex - Individual analytes as listed above	Call for more info	\$14.05

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

Serum Plate Agglutination Tests

(Provide 0.1 ml serum per test)

	Test #	Price Per Sample
Mycoplasma Gallisepticum	15100012	\$3.45
Mycoplasma Synoviae	15100013	\$4.30
Salmonella Pullorum-Gallinarum	15100016	\$4.30

HA-HI Tests

(Provide 0.025 ml serum per test)

	Test #	Price Per Sample 1-20	Price Per Sample 21 +
Adenovirus Group III (EDS 76)	15100019	\$11.35	\$10.25
Avian Influenza Type A	15100020	\$11.35	\$10.25
Avian Paramyxovirus Type 2	15100029	\$11.35	\$10.25
Avian Paramyxovirus Type 3	15100030	\$11.35	\$10.25
Human Influenza A/PR/8/34	15100098	\$15.85	N/A
Infectious Bronchitis (Ark.)	15100021	\$11.35	\$10.25
Infectious Bronchitis (Conn.)	15100022	\$11.35	\$10.25
Infectious Bronchitis (DE-072)	15100025	\$11.35	\$10.25
Infectious Bronchitis (JMK)	15100023	\$11.35	\$10.25
Infectious Bronchitis (Mass.)	15100024	\$11.35	\$10.25
Mycoplasma Gallisepticum	15100026	\$11.35	\$10.25
Mycoplasma Synoviae	15100027	\$11.35	\$10.25
Newcastle Disease	15100028	\$11.35	\$10.25

Avian Testing Services, continued

Serum Neutralization Tests (in SPF Eggs)

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

	Test #	Price Per Sample
Avian Adenovirus (CELO-Phelps)	15100032	\$91.60
Avian Encephalomyelitis	15100033	\$91.60
Infectious Bronchitis (Ark.)	15100034	\$91.60
Infectious Bronchitis (Conn.)	15100035	\$91.60
Infectious Bronchitis (JMK)	15100036	\$91.60
Infectious Bronchitis (Mass.)	15100037	\$91.60
Infectious Bursal Disease (Gumboro)	15100038	\$91.60
Infectious Bursal Disease (Variant E)	15100039	\$91.60
Infectious Laryngotracheitis	15100040	\$91.60
Newcastle Disease	15100041	\$91.60

Agar Gel Precipitin Tests

(Provide 0.050 ml serum per test)

	Test #	Price Per Sample 1-5	Price Per Sample 6 +
Avian Adenovirus Group I	15100042	\$7.20	\$5.45
Avian Adenovirus Group II (HEV)	15100048	\$7.20	\$5.45
Avian Encephalomyelitis	15100043	\$7.20	\$5.45
Avian Reovirus (Viral Arthritis)	15100045	\$7.20	\$5.45
Avian Rotavirus	15100046	\$7.20	\$5.45
Fowl Pox	15100047	\$7.20	\$5.45
Infectious Bursal Disease (Gumboro)	15100050	\$7.20	\$5.45
Infectious Bursal Disease Sero Type 2	15100052	\$7.20	\$5.45
Infectious Laryngotracheitis	15100051	\$7.20	\$5.45
Influenza	15100044	\$7.20	\$5.45
Marek's Disease	15100053	\$7.20	\$5.45
Newcastle Disease	15100054	\$7.20	\$5.45
Reticuloendotheliosis	15100055	\$7.20	\$5.45

Avian Testing Services, continued

Microneutralization Tests

(Provide 0.25 ml serum per test)

	Test #	Price Per Sample
Avian Adenovirus (each sample tested individually for 12 serotypes)	15100056	\$152.20
Avian Reovirus	15100057	\$17.75
RSV-A	15100083	\$94.00
RSV-B	15100084	\$94.00
Avian Leukosis Subgroup J	15100085	\$94.00

IFA Testing

(Provide 0.1 ml per serum sample. Chicken sera only.)

	Test #	Price Per Sample
Chicken Anemia Virus	15100075	\$8.70
Avian Nephritis Virus	15100078	\$16.60
Avian Reovirus	15100080	\$16.60
Reticuloendotheliosis Virus	15100081	\$16.60

9CFR Testing

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

9CFR #	Description	Test #	Price
113.26	Detection of Viable Bacteria and Fungi Except in Live Vaccine *	15100071	\$340.25
113.27	Detection of Extraneous Viable Bacteria and Fungi in Live Vaccine (10 x 0.5 ml)	15100070	\$340.25
113.28	Detection of Mycoplasma Contamination (1.5 ml)	15100072	\$725.75
113.30	Detection of Salmonella Contamination (2.5 ml of cells or 11 ml of virus)	15100073	\$282.40
113.31	Detection of Avian Lymphoid Leukosis (A p27 ELISA is performed in place of CF) (5 ml of cells or 1 ml of virus with 1 ml of antiserum)	15100059	\$560.85
113.34	Detection of Hemagglutinating Viruses (2.5 ml)	15100067	\$498.60
113.37	Detection of Pathogens by the Chicken Embryo Inoculation Test **	15100068	\$415.45
113.46	Detection of Cytopathogenic and/or Hemadsorbing Agents (2.5 ml)	15100069	\$513.75

* Each final product serial: 10 x 2.5 ml. Cells & cell lines and ingredients of animal origin: 1 x 22 ml.

** 5 ml of cells or 1 ml of virus with 10 ml of antiserum.

Avian Testing Services, continued

PCR Tests

(Provide 0.50 ml per sample)

Gel Based PCR – Price based on up to 10 samples	Test #	Price
Chicken Anemia Virus	15100076	\$637.05
Mycoplasma synoviae and gallisepticum	15100061	\$1217.95
Reticuloendotheliosis (REV)	15100062	\$812.25

(Cloacal swabs or other samples upon request)

Endpoint and Real-time PCR	Test #	Extraction Cost with 1 PCR Test
Avian Adenovirus Group I, Serotypes 1–12	15100099	\$80.40
Avian Adenovirus Group III (EDS)	15100309	\$73.85
Avian Encephalomyelitis	15100101	\$87.55
Avian Reovirus	15100105	\$87.55
Avian Leukosis Subgroup A	15100102	\$87.55
Avian Leukosis Subgroup B	15100103	\$87.55
Avian Leukosis Subgroup J	15100104	\$87.55
Chicken Anemia Virus (Minimum of 10 samples)	15100106	\$87.55
Mycoplasma synoviae and gallisepticum	15100107	\$73.85
Reticuloendotheliosis	15100108	\$87.55
Salmonella pullorum	15100109	\$73.85
Additional PCR pathogens tested per sample	15100063	\$16.10 for CAV \$13.40 for all others

Avian Testing Services, continued

ELISA

- **Antibody Detection** (Provide 0.1 ml chicken serum per test)
There is a 30 sample minimum per pathogen for ELISA testing.

	Test #	Price Per Sample
Avian Encephalomyelitis	15100003	\$7.55
Avian Influenza	15100004	\$7.55
Avian Reovirus	15100006	\$7.55
Avian Rhinotracheitis Virus	15100007	\$12.45
Chicken Anemia Virus	15100008	\$10.35
Infectious Bronchitis	15100009	\$7.55
Infectious Bursal Disease	15100010	\$7.55
Infectious Laryngotracheitis	15100011	\$7.55
Newcastle Disease	15100014	\$7.55

- **Antigen Detection** (Provide cloacal swabs or 0.5 ml of supernatant from passaged CEF's)

Avian Leukosis (p27 antigen detection)	15100005	\$4.70
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Other Tests

(Provide 1.0 ml per sample)

	Test #	Price Per Sample
Avian Encephalomyelitis Flock Susceptibility	15100082	\$84.15
COFAL (10 day test)	15100060	\$264.45
Salmonella pullorum microtiter	15100017	\$11.75
Vaccine Potency Test - Single Vaccine	15100064	\$105.30
Virus Titration	15100065	\$105.30
Virus Isolations	15100066	Call for quote