

2012

Tested. Trusted. Since 1985

Hemagen® Diagnostics, Inc.



VIRGO®

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Company Overview

Hemagen Diagnostics, Inc., founded in 1985, is a biotechnology company that develops, manufactures, and markets more than 100 FDA cleared proprietary medical diagnostic blood test kits.

Our mission is to produce the highest quality diagnostic test kits using state-of-the-art technology, in user-friendly formats, at the best prices. We strive always exceed customer expectations and to distinguish ourselves as “the” high quality manufacturer of choice for our customers. This combination has allowed us to offer reliable products that meet the changing needs of today’s laboratory.

We are a multinational corporation committed to serving markets worldwide, including our wholly owned subsidiary, “Hemagen Diagnosticos Comercio, Importacao e Exportacao, Ltda”, located in Sao Paulo Brazil.

Our VIRGO® line of gold standard immunoassays are used to aid in the diagnosis of autoimmune and infectious diseases and acute phase proteins, and are manufactured at our facility located in Columbia, Maryland. These assays utilize multiple technologies including ELISA, immunofluorescence (IFA) and hemagglutination (HA) to meet the demands of laboratories worldwide. Our diverse product offering allows for complete end-user flexibility. Be it manual hemagglutination kits or a fully automated ELISA system, Hemagen’s kits are known worldwide for their quality and reproducibility.

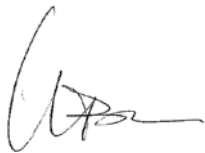
OUR PLEDGE

At Hemagen, we pledge to provide the highest quality products at the best price. We strive to distinguish ourselves as *the* customer-focused, high quality manufacturer of choice. We are committed to “make doing business easy” for our customers.

We pledge to earn your business by providing prompt, friendly and courteous service and by providing the highest level of technical support through our knowledgeable and highly trained team. We understand that time is critical to your business and we strive to deliver all products and service in a timely and efficient manner.

We pledge to treat our customers like partners and members of the Hemagen family. We strive, relentlessly, to exceed customer expectations.

We thank and appreciate our loyal customers.



William P. Hales
President & CEO

Virgo® Quick Reference Guide

ELISA - Autoimmune

ELISA - Infectious Disease

Item	Description	Item	Description
6659	ANA Screen ELISA 96 Test System	6617	HSV 1&2 IgM ELISA 96 Test System
6642	Gliadin IgA ELISA 96 Test System	6633	Toxoplasma IgG ELISA 96 Test System
6643	Gliadin IgG ELISA 96 Test System	6634	Toxoplasma IgM ELISA 96 Test System
6644	Gliadin IgG/IgM ELISA 96 Test System	6636	Rubella IgG ELISA 96 Test System
6645	TTG IgA ELISA 96 Test System	6635	Rubella IgM ELISA 96 Test System
6646	TTG IgG ELISA 96 Test System	6627	CMV IgG ELISA 96 Test System
6655	B2 Glycoprotein IgG/IgM ELISA 96 Test System	6618	EBV-VCA IgG ELISA 96 Test System
6656	TPO IgG ELISA 96 Test System	6619	EBV-VCA IgM ELISA 96 Test System
6657	Tg IgG ELISA 96 Test System	6620	EBV-NA 1 IgG ELISA 96 Test System
6658	CCP IgG ELISA 96 Test System	6621	EBV-NA 1 IgM ELISA 96 Test System
6630	ENA Screen 6 ELISA 96 Test System	6622	EBV-EA-D IgG ELISA 96 Test System
6611	Sm/RNP ELISA 96 Test System	6623	EBV-EA-D IgM ELISA 96 Test System
6612	Sm ELISA 96 Test System	6624	H. pylori IgG ELISA 96 Test System
6614	SS-A ELISA 96 Test System	6625	Measles IgG ELISA 96 Test System
6615	SS-B ELISA 96 Test System	6626	Measles IgM ELISA 96 Test System
6607	Scl-70 ELISA 96 Test System	6627	CMV IgM ELISA 96 Test System
6608	Jo-1 ELISA 96 Test System	6631	VZV IgG ELISA 96 Test System
66009	dsDNA ELISA Test System	6637	HSV 1 IgG ELISA 96 Test System
66010	RF IgM ELISA 96 Test System	6638	HSV 2 IgG ELISA 96 Test System
66018	p-ANCA ELISA 96 Test System	6650	Mumps IgG ELISA 96 Test System
66019	c-ANCA ELISA 96 Test System	6651	Mumps IgM ELISA 96 Test System
66030	Cardiolipin IgG ELISA 96 Test System	6652	Mycoplasma IgG ELISA 96 Test System
66031	Cardiolipin IgM ELISA 96 Test System	6653	Mycoplasma IgM ELISA 96 Test System
66032	Cardiolipin IgA ELISA 96 Test System	66101	Chagas IgG ELISA 96 Test System
66033	Cardiolipin Screen ELISA 96 Test System		
66203	CRP ELISA 96 Test System		

HA - Autoimmune**IFA - Autoimmune**

Item	Description	Item	Description
6403	Sm/RNP Hemagglutination 64 Test Kit	902080	AMA IFA 48 Test System (12X4well)
6407	dsDNA Hemagglutination 64 Test Kit	902090	AMA 4-well IFA Slide Package (12 slides)
6412	Scl-70 Hemagglutination 64 Test Kit	902330	ANA HEp-2 IFA 48 Test System (12X4well)
6413	RF IgM Hemagglutination 64 Test Kit	902331	ANA HEp-2 4-well IFA Slide Package (12 slides)
6415	SS-A/SS-B Hemagglutination 128 Test Kit	902332	ANA HEp-2 IFA 200 Test System (25X8well)
6417	Jo-1 Hemagglutination 64 Test Kit	902333	ANA HEp-2 8-well IFA Slide Package (25 slides)
6420	ENA Screen 4 (RNP,Sm, SS-A, SS-B) Hemagglutination Test Kit	902345	ANA HEp-2 IFA 180 Test System (15X12well)
		902360	ANA HEp-2 IFA 600 Test System (50X12well)
		902370	ANA HEp-2 IFA 1200 Test System (100X12well)
		902409	nDNA IFA 48 Test System (6X8well)
		902420	nDNA IFA 96 Test System (12X8well)
		904060	Autoscreen I IFA 48 Test System (Mouse Kidney/Stomach) (12X4well)
		904061	Autoscreen I 4-well IFA Slide package (Mouse Kidney/Stomach) (12 slides)
		904070	Autoscreen I IFA 96 Test System (Mouse Kidney/Stomach) (12X8well)
		904071	Autoscreen I 8-well IFA Slide package (Mouse Kidney/Stomach) (12 slides)
		904080	Autoscreen II IFA 48 Test System (Mouse Kidney/Liver/Stomach) (12X4well)
		904081	Autoscreen II 4-well IFA Slide package (Mouse Kidney/Liver/Stomach) (12 slides)
		904090	Autoscreen 1 IFA 96 Test System (Mouse Kidney/Stomach) (12X8well)
		904091	Autoscreen 8-well IFA Slide package (Mouse Kidney/Stomach) (12 slides)

IFA – Autoimmune- Cont.

904270	Mitochondrial IFA 96 Test System (12X8well)	904100	ASA Anti-Skin IFA 48 Test System (Monkey Esophagus) (12X4well)
904280	Striated Muscle Antibody IFA 48 Test System (12X4well)	904110	ASA Anti-Skin IFA 96 Test System (Monkey Esophagus) (12X8well)
904281	Rat Striated Muscle 4-well IFA Slide Package (12 slides)	904120	Anti-Islet Cell Antibody IFA 48 Test System (Monkey Pancreas) (12X4well)
904002-S	Homogeneous Positive Control 1mL Vial	904140	Anti-Thyroid Antibody IFA 48 Test System (Monkey Thyroid) (12X4well)
904003-S	Anti-Mitochondrial Positive Control 1mL Vial	904141	Monkey Thyroid 4-well IFA Slide Package (12 slides)
904004-S	Anti-Smooth Muscle Positive Control 1mL Vial	904150	Anti-Thyroid Antibody IFA 96 Test System (Monkey Thyroid) (12X8well)
904007-S	EMA IgA Positive Control 1mL Vial	904151	Monkey Thyroid 8-well IFA Slide Package (12 slides)
904009-S	Speckled Positive Control 1mL Vial	904160	Autoimmune Screen 3 IFA 48 Test System (Mouse Liver/Kidney/Stomach-Monkey Thyroid) (12X4well)
904012-S	Nucleolar Positive Control 1mL Vial	904170	Autoimmune Screen 3 IFA 96 Test System (Mouse Liver/Kidney/Stomach-Monkey Thyroid) (12X4well)
904013-S	Anti-Parietal Cell Positive Control 1mL Vial	904180	Anit-Endomysial IFA 48 Test System (Monkey Esophagus) (12X4well)
904014-S	Centromere Positive Control 1mL Vial	904181	Monkey Esophagus 8-well IFA Slide Package (12 slides)
904016-S	Anti-Thyroid Positive Control 1mL Vial	904190	Anit-Endomysial IFA 96 Test System (Monkey Esophagus) (12X8well)
904108-S	FITC Conjugate (primate) 3mL Vial	904200	c-ANCA IFA 60 Test System (10X6well)
904203-S	c-ANCA Positive Control 1mL Vial	904210	p-ANCA IFA 60 Test System (10X6well)
904212-S	p-ANCA Positive Control 1mL Vial	904211	p-ANCA 8-well IFA Slide Package (12 slides)
904282-S	Striated Muscle Positive Control 1mL Vial	904220	ANA IFA 48 Test System (Mouse Liver) (12X4well)
904300	Anti-Reticular IgG IFA 96 Test Kit	904221	Mouse Liver 4-well IFA Slide Package (12 slides)

IFA – Infectious Disease**IFA – Autoimmune-
Cont.**

		902010	Toxoplasma IgG IFA 120 Test System (15X8well)
904230	ANA IFA 96 Test System (Mouse Liver) (12X8well)	902020	Toxoplasma IgG IFA 200 Test System (25X8well)
904231	Mouse Liver 8-well IFA Slide Package (12 slides)	902021	Toxoplasma 8-well Slide Package (25X8well)
904240	ANA IFA 48 Test System (Mouse Stomach) (12X4well)	902041	Toxoplasma IgG Conjugate Vial 2 mL(goat anti-human IgG heavy and light chains) contains Evans Blue
904241	Mouse Stomach 4-well IFA Slide Package (12 slides)	902048	Toxoplasma IgM Conjugate Vial 2 mL(goat anti-human IgM heavy and light chains) contains Evans Blue
904250	ANA IFA 96 Test System (Mouse Stomach) (12X8well)	902111	CMV IgG IFA 96 Test System (12X8well)
904251	Mouse Stomach 8-well IFA Slide Package (12 slides)	902112	CMV IgM IFA 96 Test System (12X8well)
904260	Mitochondrial IFA 48 Test System (12X4well)	902113	CMV IgG IFA 200 Test System (25X8well)
		902123	CMV 8-well IFA Slide Package (12 slides)
		902124	CMV 8-well IFA Slide Package (25 slides)
		902300	Anti-Treponema pallidum IgG IFA 60 Test System (15X4-well)
		902301	Anti-Treponema pallidum IgG IFA 200 Test System (25X4-well)
903410-5	IFA Phosphate Buffer (PBS) Package (5X1-liter)	902500	HSV-1 IgG IFA 96 Test System (12X8well)
903902-S	Universal Negative Control 1mL Vial	902501	HSV-1 8-well IFA Slide Package (12slides)
906011	Human IL-2 T-CELL Growth Factor Bottle, 50 ml*	902506	HSV-1 IgG IFA 200 Test System (25X8well)
		902507	HSV-1 8-well IFA Slide Package (25slides)
		902600	HSV-2 IgG IFA 96 Test System (12X8well)
		902601	HSV-2 8-well IFA Slide Package (12 slides)
		902606	HSV-2 IgG IFA 200 Test System (25X8well)

Misc.

Item	Description		
903410-5	IFA Phosphate Buffer (PBS) Package (5X1-liter)	902500	HSV-1 IgG IFA 96 Test System (12X8well)
903902-S	Universal Negative Control 1mL Vial	902501	HSV-1 8-well IFA Slide Package (12slides)
906011	Human IL-2 T-CELL Growth Factor Bottle, 50 ml*	902506	HSV-1 IgG IFA 200 Test System (25X8well)
		902507	HSV-1 8-well IFA Slide Package (25slides)
		902600	HSV-2 IgG IFA 96 Test System (12X8well)
		902601	HSV-2 8-well IFA Slide Package (12 slides)
		902606	HSV-2 IgG IFA 200 Test System (25X8well)

IFA – Infectious Disease

		902607	HSV-2 8-well IFA Slide Package (25 slides)
		903100	Measles IgG IFA 96 Test System (12X8well)
		903101	Measles 8-well IFA Slide Package (12 slides)
902700	Rubella IgG IFA 96 Test System (12X8well)	903200	Mumps IgG IFA 96 Test System (12X8well)
902701	Rubella 8-well IFA Slide Package (12 slides)	903201	Mumps 8-well IFA Slide Package (12 slides)
902800	VZV IgG IFA 96 Test System (12X8well)	903300	RSV IgG IFA 96 Test System (12X8well)
902801	VZV 8-well IFA Slide Package (12 slides)	903301	RSV 8-well IFA Slide Package (12 slides)
902900	EBV IgG IFA 96 Test System (12X8well)	902019-S	Toxoplasma gondii IgM Negative Control 0.5 mL Lyophilized
902901	EBV 8-well IFA Slide Package (12 slides)	902049-S	Toxoplasma gondii IgM Positive Control 0.5 mL Lyophilized
903000	C.trachomatis IgG IFA 96 Test System (12X8well)	902114-S	CMV Conjugate FITC labeled goat anti-human IgG (heavy & light chains) w/counterstain 2 mL vial
903001	C.trachomatis 8-well IFA Slide Package (12 slides)	902115-S	CMV Conjugate FITC labeled goat anti-human IgM (heavy & light chains) w/counterstain 2 mL vial
		902117-S	CMV IgG Positive Control 1.0 mL Lyophilized
		902118-S	CMV IgM Positive Control 0.5 mL Lyophilized
		902120-S	CMV IgG Negative Control 0.5 mL Lyophilized
		902121-S	CMV IgM Negative Control 0.5 mL Lyophilized
		902309-S	FTA-Sorbent Diluent 10mL
		902504-S	HSV Conjugate FITC labeled goat anti-human IgG (heavy & light chains) w/counterstain 2 mL vial
		902804-S	VZV Conjugate FITC labeled goat anti-human IgG (heavy & light chains) w/counterstain 2 mL vial
		903004-S	C. trachomatis Conjugate FITC labeled goat anti-human IgG (heavy & light chains) w/counterstain 2 mL vial
		903104-S	Measles Conjugate FITC labeled goat anti-human IgG (heavy & light chains) w/counterstain 2 mL vial

Cytokines

Interleukin-2 (IL-2) is an [interleukin](#), a type of [cytokine](#) signaling molecule in the [immune system](#). It is a protein that attracts white blood cells ([lymphocytes](#)), the cells that are responsible for immunity. It is part of the body's natural response to [microbial infection](#), and in discriminating between foreign (non-self) and self. IL-2 mediates its effects by binding to [IL-2 receptors](#), which are expressed by lymphocytes.

Hemagen Human Interleukin-2 (IL-2) is an excellent source for researchers because it is manufactured direct from Human Cells and remains to be a standard for other similar products on the market.

906011 Human IL-2 T-CELL Growth Factor Bottle, 50 ml*

Specialty Assays & Reagents

Hemagen Diagnostics, Inc. is always striving to bring you the products you need at the right price. Our R&D efforts enable us to continue to bring you new products for incorporation into your routine.

We pride ourselves aligning with the best customers in the world and continually strive to produce state of the art products at the right price.

HEMASORB NSD™

HEMASORB NSD™ has been designed to remove interfering substances with patient sera. The use of Hemasorb NSD the patient sera is better prepared for optimal IFA testing. HEMASORB NSD™ Reagent reduces nonspecific fluorescence, resulting from the non-immunological attachment of immunoglobulins to any substrate. This effect will vary from sample to sample but when nonspecific interference is high within a sample, it can and usually masks potential pattern recognition and many times requires the sample to be re-run. Now with Hemasorb NSD you will be able to determine the information the first time reducing time to report and wasting wells due to re-testing.

HEMASORB G REMOVAL™

The HEMASORB G REMOVAL™ Reagent was developed to remove interfering immunoglobulin (IgG) antibodies from human sera prior to testing for IgM. Specific human IgG in patients serum have the potential to compete with IgM antigenic sites on certain substrates. Depending on the ratio of IgG to IgM, false negative IgM results may be obtained. In addition, RF IgM (IgM class anti-IgG) if present in conjunction with specific IgG, may interact with the antigen bound IgG resulting in a false positive IgM test. Therefore accurate measurement of pathogen-specific IgM is highly dependent upon the effective removal or neutralization of specific IgG. The use of this reagent will minimize this effect and provide more accurate testing results. More accurate results, less need to rerun samples therefore; faster turn-around-time to your customers.

Serum Amyloid A (SSA)

Serum amyloid A (SAA) is a sensitive marker of inflammation and its elevation has been implicated in obesity and in cardiovascular disease, yet data on its regulation in young adults or on its role in early atherosclerosis is scarce. We investigated which factors explain the variation in SAA and analyzed whether SAA could be associated with preclinical atherosclerosis.

This ELISA Kit was specifically designed to provide highly accurate results with fast turn around time further maximizing laboratory efficiency.

Chagas ELISA

Chagas IFA

Chagas disease is named after the Brazilian physician Carlos Chagas, who discovered the disease in 1909. It is caused by the parasite *Trypanosoma cruzi*, which is transmitted to animals and people by insect vectors and is found only in the Americas (mainly, in rural areas of Latin America where poverty is widespread). Chagas disease (*T. cruzi* infection) is also referred to as American trypanosomiasis.

In the United States, Chagas disease is considered one of the Neglected Parasitic Infections, a group of five parasitic diseases that have been targeted by CDC for public health action.

Hemagen Diagnostics obtained one of the first FDA clearances within the United States and remains the standard to which all others measure themselves.

Autoimmune Disease Assays

Autoimmune diseases are a group of diseases characterized by an alteration in the immune system in which antibodies are produced and directed against an individual's own tissue. Clinical manifestations range from localized cutaneous lesions to destructive systemic lupus erythematosus (SLE), sjögren's syndrome, scleroderma, rheumatoid arthritis (RA) and mixed connective tissue disease (MCTD).

Vascular diseases are characterized by disorders and/or inflammation of fluid carrying vessels including the arteries, veins and bronchial tubes. Inflammation and necrosis of these vessels may result in tissue damage.

ENZYME-Linked Immunosorbent Assay

The Virgo ELISA product line incorporates the highest quality and carefully selected antigens for overall superior performance. These products are carefully optimized during the production process to obtain the best lot-to-lot consistency for aiding in diagnosing patients as well as follow-up care. These products have ready to use reagents further reducing hands on technician time.

6659	ANA Screen ELISA 96 Test System
6642	Gliadin IgA ELISA 96 Test System
6643	Gliadin IgG ELISA 96 Test System
6644	Gliadin IgG/IgM ELISA 96 Test System
6645	TTG IgA ELISA 96 Test System
6646	TTG IgG ELISA 96 Test System
6655	B2 Glycoprotein IgG/IgM ELISA 96 Test System
6656	TPO IgG ELISA 96 Test System
6657	Tg IgG ELISA 96 Test System
6658	CCP IgG ELISA 96 Test System
6630	ENA Screen 6 ELISA 96 Test System
6611	Sm/RNP ELISA 96 Test System
6612	Sm ELISA 96 Test System
6614	SS-A ELISA 96 Test System
6615	SS-B ELISA 96 Test System
6607	Scl-70 ELISA 96 Test System
6608	Jo-1 ELISA 96 Test System
66009	dsDNA ELISA Test System
66010	RF IgM ELISA 96 Test System
66018	p-ANCA ELISA 96 Test System
66019	c-ANCA ELISA 96 Test System
66030	Cardiolipin IgG ELISA 96 Test System
66031	Cardiolipin IgM ELISA 96 Test System
66032	Cardiolipin IgA ELISA 96 Test System
66033	Cardiolipin Screen ELISA 96 Test System
66203	CRP ELISA 96 Test System

Immunofluorescent Assays (IFA)

The Virgo IFA product line features the newly formulated *Virgo* ANA HEp-2 3000 *HD* Test Kit the premier HEp-2 kit on the market today. The proprietary cell line and fixation process makes this newly formulated assay second to none. Now there is finally a GOLD STANDARD product on the market.

The vast array of tissue section kits provided by Hemagen allows your lab the flexibility to run the test you want, the test your client requests.

All Virgo assays can be automated by equipment validated and supplied by Hemagen or we can work with your Instrument Company to have you up and running with minimal hands on time allowing your facility to do more without increasing work load.

IFA Virgo ANA HEp-2 HD SUBSTRATE ASSAYS

902332	ANA HEp-2 IFA 200 Test System (25X8well)
902345	ANA HEp-2 IFA 180 Test System (15X12well)
902360	ANA HEp-2 IFA 600 Test System (50X12well)
902370	ANA HEp-2 IFA 1200 Test System (100X12well)

IFA Virgo ANA HEp-2 HD SUBSTRATE SLIDE PACKAGES

902333	ANA HEp-2 8-well IFA Slide Package (25 slides)
902351	ANA HEp-2 12-well IFA Slide Package (25 slides)
902371	ANA HEp-2 IFA 1200 Test System (100X12well)

IFA Virgo nDNA Crithidia SUBSTRATE ASSAYS

902409	nDNA IFA 48 Test System (6X8well)
902420	nDNA IFA 96 Test System (12X8well)

IFA Virgo nDNA Crithidia SUBSTRATE SLIDE PACKAGES

IFA Virgo AMA SUBSTRATE ASSAYS

902080	AMA IFA 48 Test System (12X4well)
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IFA Virgo AMA SUBSTRATE SLIDE PACKAGES

902090	AMA 4-well IFA Slide Package (12 slides)
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IFA Virgo AUTOMIMMUNE TISSUE SECTION ASSAYS

Diagnosis by means of tissue sections remains very important in gastroenterology. In cases of autoimmune hepatitis (AIH) especially, the detection of anti-smooth muscle antibodies, or: ASMA, or antibodies to liver-kidney microsomes, or: anti-LKM antibodies, are important diagnostic tools. Testing on HEP-2 cells alone would not suffice in these cases, because tests for anti-smooth muscle antibodies, the so called ASMA tests, are not always positive, and tests for anti-LKM autoantibodies are not positive. If autoimmune hepatitis is suspected, routine diagnostics call for testing for antibodies on mouse or rat tissues.

AUTOANTIBODY SCREEN ASSAYS

904060	Autoscreen I IFA 48 Test System (Mouse Kidney/Stomach) (12X4well)
904070	Autoscreen I IFA 96 Test System (Mouse Kidney/Stomach) (12X8well)
904080	Autoscreen II IFA 48 Test System (Mouse Kidney/Liver/Stomach) (12X4well)
904090	Autoscreen 1 IFA 96 Test System (Mouse Kidney/Stomach) (12X8well)
904170	Autoimmune Screen 3 IFA 96 Test System (Mouse Liver/Kidney/Stomach-Monkey Thyroid) (12X8well)

AUTOANTIBODY SCREEN SLIDE PACKAGES

904061	Autoscreen I 4-well IFA Slide package (Mouse Kidney/Stomach) (12 slides)
904071	Autoscreen I 8-well IFA Slide package (Mouse Kidney/Stomach) (12 slides)
904081	Autoscreen II 4-well IFA Slide package (Mouse Kidney/Liver/Stomach) (12 slides)
904091	Autoscreen 8-well IFA Slide package (Mouse Kidney/Stomach) (12 slides)

ANTI-ENDOMYSIAL ASSAYS

904180	Anit-Endomysial IFA 48 Test System (Monkey Esophagus) (12X4well)
904190	Anit-Endomysial IFA 96 Test System (Monkey Esophagus) (12X8well)

ANTI-ENDOMYSIAL SLIDE PACKAGE

904181 Monkey Esophagus 8-well IFA Slide Package (12 slides)

ANTI-SKIN ASSAYS

904100 ASA Anti-Skin IFA 48 Test System (Monkey Esophagus) (12X4well)

904110 ASA Anti-Skin IFA 96 Test System (Monkey Esophagus) (12X8well)

THYROID ANTIBODY TEST ASSAYS

904140 Anti-Thyroid Antibody IFA 48 Test System (Monkey Thyroid) (12X4well)

904150 Anti-Thyroid Antibody IFA 96 Test System (Monkey Thyroid) (12X8well)

THYROID ANTIBODY SLIDE PACKAGES

904151 Monkey Thyroid 8-well IFA Slide Package (12 slides)

904141 Monkey Thyroid 4-well IFA Slide Package (12 slides)

SPECIALTY ASSAYS

904120 Anti-Islet Cell Antibody IFA 48 Test System (Monkey Pancreas) (12X4well)

904300 Anti-Reticular IgG IFA 96 Test Kit

ANTINUCLEAR ANTIBODYS TEST ASSAYS

904220 ANA IFA 48 Test System (Mouse Liver) (12X4well)

904230 ANA IFA 96 Test System (Mouse Liver) (12X8well)

904240 ANA IFA 48 Test System (Mouse Stomach) (12X4well)

904250 ANA IFA 96 Test System (Mouse Stomach) (12X8well)

904260 Mitochondrial IFA 48 Test System (12X4well)

904270 Mitochondrial IFA 96 Test System (12X8well)

904280 Striated Muscle Antibody IFA 48 Test System (12X4well)

TISSUE SLIDES

904221	Mouse Liver 4-well IFA Slide Package (12 slides)
904231	Mouse Liver 8-well IFA Slide Package (12 slides)
904241	Mouse Stomach 4-well IFA Slide Package (12 slides)
904251	Mouse Stomach 8-well IFA Slide Package (12 slides)
904261	Mouse Kidney 4-well IFA Slide Package (12 slides)
904281	Rat Striated Muscle 4-well IFA Slide Package (12 slides)

ANCA ASSAYS

904200	c-ANCA IFA 60 Test System (10X6well)
904210	p-ANCA IFA 60 Test System (10X6well)

ANCA SLIDE PACKAGES

904211	p-ANCA 8-well IFA Slide Package (12 slides)
904201	c-ANCA 8-well IFA Slide Package (12 slides)

CONTROLS & REAGENTS

904002-S	Homogeneous Positive Control 1mL Vial
904003-S	Anti-Mitochondrial Positive Control 1mL Vial
904004-S	Anti-Smooth Muscle Positive Control 1mL Vial
904007-S	EMA IgA Positive Control 1mL Vial
904009-S	Speckled Positive Control 1mL Vial
904012-S	Nucleolar Positive Control 1mL Vial
904013-S	Anti-Parietal Cell Positive Control 1mL Vial
904014-S	Centromere Positive Control 1mL Vial
904016-S	Anti-Thyroid Positive Control 1mL Vial
904108-S	FITC Conjugate (primate) 3mL Vial
904203-S	c-ANCA Positive Control 1mL Vial
904212-S	p-ANCA Positive Control 1mL Vial
904282-S	Striated Muscle Positive Control 1mL Vial

HEMAGGLUTINATION ASSAYS (HA)

The Virgo HA product line combines ease of use with trusted results. These products are easily read in small clinics without expensive equipment and large reference laboratories abroad. HA is another example of Tested, Trusted from Hemagen.

HEMAGGLUTINATION ASSAYS

6403	Sm/RNP Hemagglutination 64 Test Kit
6407	nDNA Hemagglutination 64 Test Kit
6412	Scl-70 Hemagglutination 64 Test Kit
6413	RF IgM Hemagglutination 64 Test Kit
6415	SS-A/SS-B Hemagglutination 128 Test Kit
6417	Jo-1 Hemagglutination 64 Test Kit
6420	ENA Screen 4 (RNP,Sm, SS-A, SS-B) Hemagglutination Test Kit

Infectious Disease Assays

Infectious diseases are caused by pathogenic organisms invading the body. Infectious agents can be transmitted externally by a parasite either directly or from food sources: they can be transferred from mother to child before and/or after during child birth; and they can also be transmitted from an organ transplant. Once the foreign agent is present, the body's immune system produces specific antibodies to fight the foreign agent. IgM antibodies are the first antibodies to react to an unfamiliar antigen. Serum production of IgM continues only until the antigen has been eliminated. Detection of IgM antibodies is important in diagnosing the onset of a disease and may be critical in diagnosing disease in newborns. The presence of IgG antibodies is indicative of prior infection and may confer immunity.

INFECTIOUS DISEASE ENZYME-Linked Immunosorbent Assay

The Virgo ELISA product line starts with the finest antigens found world-wide and is manufactured under the strict adherence to all proprietary procedures to insure quality. The Virgo ELISA product line may be run to produce a qualitative, semi-quantitative or quantitative result in the case where there is an existing WHO standard in existence. All quantitative assays are calibrated to the appropriate WHO standard. All Virgo products are made by the working man for the working man.

6617	HSV 1&2 IgM ELISA 96 Test System
6633	Toxoplasma IgG ELISA 96 Test System
6634	Toxoplasma IgM ELISA 96 Test System
6636	Rubella IgG ELISA 96 Test System
6635	Rubella IgM ELISA 96 Test System
6627	CMV IgG ELISA 96 Test System
6618	EBV-VCA IgG ELISA 96 Test System
6619	EBV-VCA IgM ELISA 96 Test System
6620	EBV-NA 1 IgG ELISA 96 Test System
6621	EBV-NA 1 IgM ELISA 96 Test System
6622	EBV-EA-D IgG ELISA 96 Test System
6623	EBV-EA-D IgM ELISA 96 Test System
6624	H. pylori IgG ELISA 96 Test System
6625	Measles IgG ELISA 96 Test System
6626	Measles IgM ELISA 96 Test System
6627	CMV IgM ELISA 96 Test System
6631	VZV IgG ELISA 96 Test System
6637	HSV 1 IgG ELISA 96 Test System
6638	HSV 2 IgG ELISA 96 Test System
6650	Mumps IgG ELISA 96 Test System
6651	Mumps IgM ELISA 96 Test System
6652	Mycoplasma IgG ELISA 96 Test System
6653	Mycoplasma IgM ELISA 96 Test System
66101	Chagas IgG ELISA 96 Test System

INFECTIOUS DISEASE Immunofluorescent Assays

The Virgo IFA product line features one of the most complete infectious disease menus on the market today. Hemagen maintains a full library of material that is cultured and maintained with the highest level of quality. These lines have produced slides for many years and will for many years to come further maintaining quality results produced by your lab.

Virgo INFECTIOUS DISEASE IFA ASSAYS

902010	Toxoplasma IgG IFA 120 Test System (15X8well)
902020	Toxoplasma IgG IFA 200 Test System (25X8well)
902111	CMV IgG IFA 96 Test System (12X8well)
902112	CMV IgM IFA 96 Test System (12X8well)
902113	CMV IgG IFA 200 Test System (25X8well)
902300	Anti-Treponema <i>pallidum</i> IgG IFA 60 Test Sysstem (15X4-well)
902301	Anti-Treponema <i>pallidum</i> IgG IFA 200 Test Sysstem (25X4-well)
902500	HSV-1 IgG IFA 96 Test System (12X8well)
902506	HSV-1 IgG IFA 200 Test Sysstem (25X8well)
902600	HSV-2 IgG IFA 96 Test System (12X8well)
902606	HSV-2 IgG IFA 200 Test System (25X8well)
902700	Rubella IgG IFA 96 Test System (12X8well)
902800	VZV IgG IFA 96 Test System (12X8well)
902900	EBV IgG IFA 96 Test System (12X8well)
903000	C.trachomatis IgG IFA 96 Test System (12X8well)
903100	Measles IgG IFA 96 Test System (12X8well)
903200	Mumps IgG IFA 96 Test System (12X8well)
903300	RSV IgG IFA 96 Test System (12X8well)

Virgo INFECTIOUS DISEASE IFA SLIDE PACKAGES

902021	Toxoplasma 8-well Slide Package (25X8well)
902123	CMV 8-well IFA Slide Package (12 slides)
902124	CMV 8-well IFA Slide Package (25 slides)
902501	HSV-1 8-well IFA Slide Package (12slides)
902507	HSV-1 8-well IFA Slide Package (25slides)
902601	HSV-2 8-well IFA Slide Package (12 slides)
902607	HSV-2 8-well IFA Slide Package (25 slides)
902701	Rubella 8-well IFA Slide Package (12 slides)
902801	VZV 8-well IFA Slide Package (12 slides)
902901	EBV 8-well IFA Slide Package (12 slides)
903001	C.trachomatis 8-well IFA Slide Package (12 slides)
903101	Measles 8-well IFA Slide Package (12 slides)
903201	Mumps 8-well IFA Slide Package (12 slides)
903301	RSV 8-well IFA Slide Package (12 slides)

Virgo INFECTIOUS DISEASE IFA REAGENTS

902048	Toxoplasma IgM Conjugate Vial 2 mL(goat anti-humam IgM)
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	heavy and light chains) contains Evans Blue
902041	Toxoplasma IgG Conjugate Vial 2 mL (goat anti-human IgG heavy and light chains) contains Evans Blue
902019-S	Toxoplasma gondii IgM Negative Control 0.5 mL Lyophilized
902049-S	Toxoplasma <i>gondii</i> IgM Positive Control 0.5 mL Lyophilized
902114-S	CMV Conjugate FITC labeled goat anti-human IgG (heavy & light chains) w/counterstain 2 mL vial
902115-S	CMV Conjugate FITC labeled goat anti-human IgM (heavy & light chains) w/counterstain 2 mL vial
902117-S	CMV IgG Positive Control 1.0 mL Lyophilized
902118-S	CMV IgM Positive Control 0.5 mL Lyophilized
902120-S	CMV IgG Negative Control 0.5 mL Lyophilized
902121-S	CMV IgM Negative Control 0.5 mL Lyophilized
902309-S	FTA-Sorbent Diluent 10mL
902504-S	HSV Conjugate FITC labeled goat anti-human IgG (heavy & light chains) w/counterstain 2 mL vial
902804-S	VZV Conjugate FITC labeled goat anti-human IgG (heavy & light chains) w/counterstain 2 mL vial
903004-S	C. trachomatis Conjugate FITC labeled goat anti-human IgG (heavy & light chains) w/counterstain 2 mL vial
903104-S	Measles Conjugate FITC labeled goat anti-human IgG (heavy & light chains) w/counterstain 2 mL vial

Miscellaneous

903410-5	IFA Phosphate Buffer (PBS) Package (5X1-liter)
903902-S	Universal Negative Control 1mL Vial

Ordering Information

Hemagen Diagnostics, Inc~9033 Red Branch Rd~Columbia MD~21045
 PH: (800)436-2436 FAX: (443)367-5527 www.hemagen.com

Ordering

When ordering, please specify complete product name, catalog number, quantity and price. Telephone orders must be confirmed in writing and clearly marked "Confirming - Do Not Duplicate." Duplicate shipments resulting from improperly confirmed formal orders may not be returned for credit, and the invoice is payable in full. Minimum order: \$50.00. Orders are binding only upon acceptance by Hemagen Diagnostics, Inc. If an order contains provisions inconsistent with the provisions of this price list, Hemagen Diagnostics, Inc's provisions will prevail unless Hemagen Diagnostics, Inc. expressly agrees in writing to an exception. Any clerical errors are subject to correction.

Terms of Payment

Payment terms are net 30 days. Prices are FOB the facilities of Hemagen Diagnostics, Inc. Shipping and insurance charges are paid and added to the invoice. Applicable state and local taxes also are added to the invoice for accounts in Massachusetts. Prices are subject to change without notice. Incorrect prices or kit formations due to typographical errors are not binding.

Shipments

Hemagen Diagnostics, Inc. will select the method of shipment and the carrier to be used unless a specific method is requested by the customer. Items requiring refrigeration usually are received within 48 hours of shipment. All delivery dates are estimated.

Standing Orders

Standing orders receive first priority in cases of stock shortages or back orders.

Quantity Discounts

Quantity discounts are available upon request with a written purchase agreement. For information, call our Customer Service Department at 800-436-2436.

Returns

Products may be returned provided authorization has been issued by Hemagen Diagnostics, Inc. Perishable items containing outdated material or opened vials cannot be returned. Returns are subject to inspection by Hemagen Diagnostics, Inc. before credit is issued. Shipping charges on all returns are at the customer's expense. A 20% handling charge will be added if the return is due to customer ordering error.

Damaged Shipments

The delivering carrier - not Hemagen Diagnostics, Inc. - is responsible for damage in shipment. Packing material should not be discarded when damage is found. The delivering carrier should be called to inspect the damage. Damaged items cannot be returned without authorization. Call the Customer Service Department of Hemagen Diagnostics, Inc. for instructions