

A photograph of a family lying in bed. In the foreground, the feet of several people are visible, pointing towards the camera. In the background, a man and a woman are lying down, looking towards the camera. The scene is softly lit, suggesting a relaxed, domestic environment.

Elabscience®

Test Kits for Human Disease Research

A large, stylized orange graphic resembling a virus or a flower with multiple rounded protrusions, serving as a background for the text.

About Elabscience

Elabscience specializes in immunodiagnostic technology for life Science community. We have complete platform for R&D and manufacture. At the same time, we have in house QC for every product, endeavoring to keep your experiment results more consistent and precise. Through unremitting effort and development, our customers have spread in more than 100 countries all over the world.

Elabscience major products cover Proteins, Antibodies, ELISA Kits, CLIA Kits, Labeling Kits and related reagents. Besides, Elabscience also contributes to human health. Related products get involved in research area about autoimmune antibody detection, respiratory pathogens detection, gastrointestinal pathogens detection and hepatitis pathogens detection, etc.

Human Disease



Human disease is that human on certain effect of pathogenesis, their homeostasis control are disordered and leading to a series of changes of metabolism, function and structure, acting as abnormal symptom, sign and behavior. Human diseases could be divided into infectious and non-infectious disease.

Infectious disease

Infectious disease, also known as transmissible diseases or communicable disease, is a kind of disease aroused by some pathogen which can infect between human and human, human and animal or animal and animal. Bacteria and virus these kinds of microorganisms are pathogenesis of infectious diseases, and they show up much earlier than human beings in the earth. Microorganism is a simple type of living things, some of them even cannot live alone without other creatures called host. We can find them anywhere from a single cell to ocean. But we should know most of microorganisms are harmless and some of them are good for us, only a few kinds of them can make human ill.



Non-infectious disease

As the name suggest, it's a kind of disease that aroused by a certain pathogenesis inside or outside of body, but has no ability to infect other people or animals. Most of them are genetics disease or organ dysfunction aroused by acquired causes.

Human disease has been bothering us from the moment human's civilization established, every year millions of people die from various terminal illness. If they can be diagnosed confirmedly earlier, these poor guys maybe not lose their life. Medical staff always say rescuing others is just like racing against time, the earlier disease is detected, the higher cure rate they would get. However most traditional detection methods could bring patients much pain with side effects, what's worse, it need to take a long period to wait for results, but using disease diagnosing kits could totally avoid these situations, and it would be easier and more efficient.


Product List

Cat. No.	Product name	Detection target	Assay type	Product type
E-HD-C001	Human Parvovirus B19 IgM Rapid Test Kit	HPVB19-IgM	Capture	Colloidal gold
E-HD-C002	Cytomegalovirus, Toxoplasma, Rubella, Herpes simplex virus type II IgM Rapid Test Kit	TORCH-IgM	Capture, Indirect	Colloidal gold
E-HD-C003	Cytomegalovirus (IgG&IgM), Toxoplasma (IgG&IgM), Rubella (IgG) Rapid Test Kit	CMV-IgM/IgG, TOX-IgM/IgG, RV-IgG	Indirect	Colloidal gold
E-HD-C004	Chlamydia Pneumoniae IgG Rapid Test Kit	Cpn-IgG	Indirect	Colloidal gold
E-HD-C005	Chlamydia Pneumoniae IgM Rapid Test Kit	Cpn-IgM	Capture	Colloidal gold
E-HD-C006	Mycoplasma Pneumoniae IgG Rapid Test Kit	MP-IgG	Capture	Colloidal gold
E-HD-C007	Mycoplasma Pneumoniae IgM Rapid Test Kit	MP-IgM	Capture	Colloidal gold
E-HD-C008	Coxsackievirus group B IgM Rapid Test Kit	CVB-IgM	Capture	Colloidal gold
E-HD-C009	Mycobacterium Tuberculosis IgG Rapid Test Kit	TB-IgG	Indirect	Colloidal gold
E-HD-C010	Hepatitis A Virus IgM Rapid Test Kit	HAV-IgM	Capture	Colloidal gold
E-HD-C011	Respiratory Syncytial Virus IgM Rapid Test Kit	RSV-IgM	Capture	Colloidal gold
E-HD-C012	Coxsackievirus A16 IgM Rapid Test Kit	CA16-IgM	Capture	Colloidal gold
E-HD-C013	Hepatitis E Virus IgG Rapid Test Kit	HEV-IgG	Capture	Colloidal gold
E-HD-C014	Hepatitis E Virus IgM Rapid Test Kit	HEV-IgM	Capture	Colloidal gold
E-HD-C015	Helicobacter Pylori IgG Rapid Test Kit	HP-IgG	Capture	Colloidal gold
E-HD-C016	Enterovirus 71 IgM Rapid Test Kit	EV71-IgM	Capture	Colloidal gold
E-HD-C017	Rotavirus group A Antigen Rapid Test Kit	Rota	Sandwich	Colloidal gold



Cat. No.	Product name	Detection target	Assay type	Product type
E-HD-C018	Echovirus IgM Rapid Test Kit	ECHO-IgM	Capture	Colloidal gold
E-HD-C019	Hantavirus IgM/IgG Rapid Test Kit	HV-IgM/IgG	Capture	Colloidal gold
E-HD-C021	Chlamydia Trachomatis Antigen Rapid Test Kit	CT-Ag	Sandwich	Colloidal gold
E-HD-C023	Hepatitis A Virus IgG Rapid Test Kit	HAV-IgG	Indirect	Colloidal gold
E-HD-C024	Hepatitis B Virus Surface Antibody Rapid Test Kit Rapid Test Kit	HBs-IgG	Indirect	Colloidal gold
E-HD-C025	Herpes Simplex Virus Type II IgG Rapid Test Kit	HSV- II -IgG	Capture	Colloidal gold
E-HD-C026	Streptococcus Pneumoniae Antigen Rapid Test Kit	SP-Ag	Sandwich	Colloidal gold
E-HD-C027	Anyibodies to Rubella Virus IgG Rapid Test Kit	RV-IgG	Indirect	Colloidal gold
E-HD-C030	Toxoplasma IgG Rapid Test Kit	TOX-IgG	Indirect	Colloidal gold
E-HD-C031	Cytomegalo Virus(CMV) IgG Rapid Test Kit	CMV-IgG	Capture	Colloidal gold
E-HD-C032	Rabies Virus IgG Rapid Test Kit	HRV-IgG	Indirect	Colloidal gold
E-HD-E001	Diphtheria Toxoid IgG ELISA Kit	DT-IgG	Indirect	ELISA
E-HD-E002	Bordetella Pertussis Toxoid and Filamentous Hemagglutinin IgG ELISA Kit	BPD/HF-IgG	Indirect	ELISA
E-HD-E005	Measles Virus IgG ELISA Kit	MV-IgG	Indirect	ELISA
E-HD-E006	Tetanus Toxoid IgG ELISA Kit	TT-IgG	Indirect	ELISA
E-HD-E007	Mumps Virus IgG ELISA Kit	MuV-IgG	Indirect	ELISA
E-HD-E008	Varicella Zoster Virus IgG ELISA Kit	VZV-IgG	Indirect	ELISA
E-HD-E009	Epstein-Barr Virus Early Antigen IgA ELISA Kit	EB-EA-IgA	Indirect	ELISA






Cat. No.	Product name	Detection target	Assay type	Product type
E-HD-E010	Epstein-Barr Virus Early Antigen IgG ELISA Kit	EB-EA-IgG	Indirect	ELISA
E-HD-E011	Epstein-Barr Virus Nuclear Antigen IgA ELISA Kit	EB-NA1-IgA	Indirect	ELISA
E-HD-E012	Zona Pellacida Antibodies ELISA Kit	ZP-Ab	Indirect	ELISA
E-HD-E013	Trophoblast Antibodies ELISA Kit	TA-Ab	Indirect	ELISA
E-HD-E014	Single Stranded DNA Antibodies ELISA Kit	SS-DNA-Ab	Indirect	ELISA
E-HD-E015	Echovirus IgG ELISA Kit	ECHO-IgG	Indirect	ELISA
E-HD-E016	Echovirus IgM ELISA Kit	ECHO-IgM	Capture	ELISA
E-HD-E017	Chlamydia Pneumoniae IgM ELISA Kit	CPn-IgM	Capture	ELISA
E-HD-E018	Mycoplasma Pneumoniae IgG ELISA Kit	MP-IgG	Indirect	ELISA
E-HD-E019	Hantavirus IgG ELISA Kit	HV-IgG	Indirect	ELISA
E-HD-E020	Hantavirus IgM ELISA Kit	HV-IgM	Capture	ELISA
E-HD-E021	Mumps Virus IgM ELISA Kit	MuV-IgM	Capture	ELISA
E-HD-E022	Adenovirus(ADV) IgA ELISA Kit	ADV-IgA	Indirect	ELISA
E-HD-E023	Adenovirus(ADV) IgG ELISA Kit	ADV-IgG	Indirect	ELISA
E-HD-E024	Adenovirus(ADV) IgM ELISA Kit	ADV-IgM	Capture	ELISA
E-HD-E025	Adenovirus Type 3 IgA ELISA Kit	ADV-3-IgA	Indirect	ELISA
E-HD-E027	Toxoplasma IgM ELISA Kit	TOX-IgM	Capture	ELISA
E-HD-E029	Adenovirus Type 7 IgA ELISA Kit	ADV-7-IgA	Indirect	ELISA
E-HD-E030	Rubella Virus IgM ELISA Kit	RV-IgM	Capture	ELISA



Cat. No.	Product name	Detection target	Assay type	Product type
E-HD-E032	Rubella Virus IgG ELISA Kit	RV-IgG	Indirect	ELISA
E-HD-E034	Cyclic Citrullinated Peptide ELISA Kit	CCP-Ab	Indirect	ELISA
E-HD-E035	Toxoplasma IgG ELISA Kit	TOX-IgG	Indirect	ELISA
E-HD-E036	Tuberculosis IgG ELISA Kit	TB-IgG	Indirect	ELISA
E-HD-E037	Cytomegalo Virus(CMV) IgM ELISA Kit	HCMV-IgM	Capture	ELISA
E-HD-E038	Cytomegalo Virus(CMV) IgG ELISA Kit	HCMV-IgG	Indirect	ELISA
E-HD-E040	Double Stranded DNA Antibodies ELISA Kit	DS-DNA-Ab	Indirect	ELISA
E-HD-E041	β 2-glycoprotein 1 Antibodies ELISA Kit	β 2-GP I -Ab	Indirect	ELISA
E-HD-E043	Tyrosine Phosphatase IA-2 IgG ELISA Kit	IA-2A-IgG	Indirect	ELISA
E-HD-E044	Islet Cell Antibodies ELISA Kit	ICA-Ab	Indirect	ELISA
E-HD-E045	Human Immunodeficiency Virus 1+2(HIV) Antibodies ELISA Kit	HIV(1+2)-Ab	Sandwich	ELISA
E-HD-E046	Varicella Zoster Virus IgM ELISA Kit	VZV-IgM	Capture	ELISA
E-HD-E047	Hepatitis C Virus Antibodies ELISA Kit	HCV-Ab	Indirect	ELISA
E-HD-E048	Treponema Pallidum Antibodies ELISA Kit	TP-Ab	Sandwich	ELISA
E-HD-E049	Japanese Encephalitis Virus IgG ELISA Kit	JEV-IgG	Indirect	ELISA
E-HD-E050	Measles Virus IgM ELISA Kit	MV-IgM	Capture	ELISA
E-HD-E052	Hepatitis A Virus IgM ELISA Kit	HAV-IgM	Capture	ELISA
E-HD-E054	Hepatitis E Virus IgM ELISA Kit	HEV-IgM	Capture	ELISA
E-HD-E055	Hepatitis E Virus IgG ELISA Kit	HEV-IgG	Indirect	ELISA






Cat. No.	Product name	Detection target	Assay type	Product type
E-HD-E091	Adenovirus Type 7 IgG ELISA Kit	ADV-7-IgG	Indirect	ELISA
E-HD-E092	Adenovirus Type 3 IgG ELISA Kit	ADV-3-IgG	Indirect	ELISA
E-HD-E100	Hepatitis A Virus IgG ELISA Kit	HAV-IgG	Indirect	ELISA
E-HD-E101	Herpes Simplex Virus Type I IgM ELISA Kit	HSV I -IgM	Capture	ELISA
E-HD-E102	Herpes Simplex Virus Type I IgG ELISA Kit	HSV I -IgG	Indirect	ELISA
E-HD-E103	Herpes Simplex Virus Type II IgM ELISA Kit	HSV II -IgM	Capture	ELISA
E-HD-E104	Herpes Simplex Virus Type II IgG ELISA Kit	HSV II -IgG	Indirect	ELISA
E-HD-E105	Influenza A Virus IgM ELISA Kit	AIV-IgM	Capture	ELISA
E-HD-E106	Influenza B Virus IgM ELISA Kit	BIV-IgM	Capture	ELISA
E-HD-E107	Parainfluenza Virus IgG ELISA Kit	HPIV-IgG	Indirect	ELISA
E-HD-E108	Parainfluenza Virus IgM ELISA Kit	HPIV-IgM	Capture	ELISA
E-HD-E109	Respiratory Syncytial Virus IgM ELISA Kit	HRSV-IgM	Capture	ELISA
E-HD-E110	Respiratory Syncytial Virus IgG ELISA Kit	HRSV-IgG	Indirect	ELISA
E-HD-E111	Respiratory Syncytial Virus IgA ELISA Kit	HRSV-IgA	Indirect	ELISA
E-HD-E112	Chlamydia Pneumoniae IgG ELISA Kit	CPn-IgG	Indirect	ELISA
E-HD-E113	Mycoplasma Pneumoniae IgM ELISA Kit	MP-IgM	Capture	ELISA
E-HD-E114	Epstein-Barr Virus Nuclear Antigen IgG ELISA Kit	EB-NA1-IgG	Indirect	ELISA
E-HD-E115	Epstein-Barr Virus Capsid Antigen IgG ELISA Kit	EB-VCA-IgG	Indirect	ELISA
E-HD-E116	Epstein-Barr Virus Capsid Antigen IgM ELISA Kit	EB-VCA-IgM	Capture	ELISA



Cat. No.	Product name	Detection target	Assay type	Product type
E-HD-E117	Epstein-Barr Virus Capsid Antigen IgA ELISA Kit	EB-VCA-IgA	Indirect	ELISA
E-HD-E118	Hepatitis B Virus Large Protein ELISA Kit	HBV-LP	Sandwich	ELISA
E-HD-E119	Hepatitis B Virus PreS1 Antigen ELISA Kit	PreS1-Ag	Sandwich	ELISA
E-HD-E120	Hepatitis B Virus PreS2 Antigen ELISA Kit	PreS2-Ag	Sandwich	ELISA
E-HD-E121	Hepatitis D Virus Antigen ELISA Kit	HDV-Ag	Sandwich	ELISA
E-HD-E122	Hepatitis D Virus IgG ELISA Kit	HDV-IgG	Indirect	ELISA
E-HD-E123	Hepatitis D Virus IgM ELISA Kit	HDV-IgM	Capture	ELISA
E-HD-E124	Hepatitis G Virus IgG ELISA Kit	HGV-IgG	Indirect	ELISA
E-HD-E127	Helicobacter Pylori IgG ELISA Kit	HP-IgG	Indirect	ELISA
E-HD-E128	Enterovirus 71 IgG ELISA Kit	EV71-IgG	Indirect	ELISA
E-HD-E129	Enterovirus 71 IgM ELISA Kit	EV71-IgM	Capture	ELISA
E-HD-E130	Coxsackievirus group B IgM ELISA Kit	CVB-IgM	Capture	ELISA
E-HD-E131	Coxsackievirus group B IgG ELISA Kit	CVB-IgG	Indirect	ELISA
E-HD-E132	Anti-Insulin Antibodies ELISA Kit	INS-Ab	Indirect	ELISA
E-HD-E133	Anti-Endomethal Antibodies ELISA Kit	EM-Ab	Indirect	ELISA
E-HD-E134	Anti-Cardiolipin Antibodies ELISA Kit	ACA-Ab	Indirect	ELISA
E-HD-E135	Anti-Glutamic Acid Decarboxylase Antibodies ELISA Kit	GAD-Ab	Indirect	ELISA
E-HD-E136	Anti-Sperm Antibodies ELISA Kit	AS-Ab	Indirect	ELISA
E-HD-E137	Anti-Ovarian Antibodies ELISA Kit	AO-Ab	Indirect	ELISA





Cat. No.	Product name	Detection target	Assay type	Product type
E-HD-E138	Anti-Human Chorionic Gonadotropin Antibodies ELISA Kit	HCG-Ab	Indirect	ELISA
E-HD-E139	Coxsackievirus A16 IgM ELISA Kit	CA16-IgM	Capture	ELISA
E-HD-E140	Smoke Aspergillus Thioredoxin Reductase IgG ELISA Kit	IA-IgG	Indirect	ELISA
E-HD-E141	Candida Enolization Enzymes IgG ELISA Kit	IC-IgG	Indirect	ELISA



Detection Method

Definition of serological reaction

Antigen can combine specifically with certain antibody. Under the influence of reaction condition, it might show with a certain reaction phenomenon, such as gathering or precipitating, so we can use known antibody or antigen to detect unknown antigen or antibody. Antibody used in experiment always exists in serum, so it is also called serological reaction.

Comparison with serological detection method

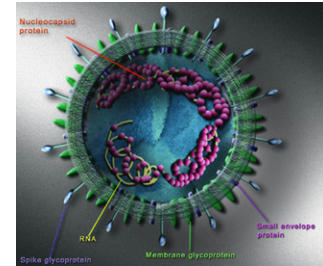
Test method	Sensibility	Specificity	Result determined	Complexity of operation
Agglutination test	< 1 $\mu\text{g/L}$	Low	Hard to judge	Complex
Hemagglutination inhibition test	< 0.1 $\mu\text{g/L}$	Low	Hard to judge	Complex
ELISA	< 1 ng/L	High	Read by microplate reader	Easy
Colloidal gold labeling	< 50 ng/L	High	Colourimetric card	Easy

Definition of antigen and antibody

Antigen:

Ag is short of antigen, a substance can trigger the immune reaction. Invaders can be recognized by immune globulin secreted by B cell, disposed by antigen presenting cell and combined with major histocompatibility complex (MHC), then activate T cell to induce a series of immunoreaction.

- **Antigen detection:** Detection of pathogen content in animal body.
- **The main role:** To diagnose whether the animal carrying a virus.



Antibody:

Ab is short of antibody, a large protein in Y shape which is secreted by plasma cell also called effective B cell to identify and neutralize foreign matters from outside of body such as bacteria and virus. Antibody is only found in body fluid like blood or B cell membrane of vertebrate, it can recognize a certain kind of invader called antigen.

- **Antibody detection:** Detection of antibody level in animal body.
- **The main role:** To assess the vaccine effect.



Advantages of colloidal gold test kit

- Quick detection: 10~20 min for each sample.
- High sensitivity, strong specificity and easy operation.
- Low cost and no need for expensive instruments.
- Results are clear and could be observed by naked eyes.



Advantages of ELISA test kit

- Very sensitive, can detect sample at the level of nanogram even pictogram.
- Coefficient of variation is less than 15%, quality guarantee period is more than 1 year.
- Good repeatability and high stability.
- Short time spent on detection, you can receive your result after only about 1 hour.
- Results are read by apparatus with great objectivity.

