

Test Kits for Animal Disease Research

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. With the problem about occurrence and prevalence of animal diseases become more complex, animal disease laboratory diagnosis is becoming more important. Accurate test results play a decisive role on the producers to take appropriate control measures. The animal dise ase antibodies test kits of Elabscience possess the characteristics of high sensitivity and specificity, quick and easy operation, good reproducibility, economy, accuracy and safety which can greatly promote the research process of animal diseases for you.

Animal Disease



Definition and classification of animal disease

Animal disease includes infectious or parasitic disease. According to the hazard level of disease, animal epidemic has been divided into three kinds.

The first kind of disease: It is seriously harmful to humans and animals, urgent and strict precautionary, control and dispose measures must be taken.

For example: Swine Fever or Foot-and-Mouth Disease

The second kind of disease: It results in significant economic losses, severely control and dispose measures must be taken. **For example**: Parvovirus or Japanese Encephalitis virus

The third kind of disease: It always appears, may cause serious economic losses, needs to be controlled and purification.

For example: Transmissible Gastroenteritis



Cat. No.	Product name	Reactivity	Product type
E-AD-C001	Avian Influenza H5 Virus Antigen Rapid Test Kit	Poultry	Colloidal gold
E-AD-C002	Avian Influenza Virus Antigen Rapid Test Kit	Poultry	Colloidal gold
E-AD-C003	Newcastle Disease Virus Antigen Rapid Test Kit	Poultry	Colloidal gold
E-AD-C004	Avian Influenza H7 Virus Antigen Rapid Test Kit	Poultry	Colloidal gold
E-AD-C005	Peste des Petits Ruminants Virus Antibodies Rapid Test Kit	Small ruminant animal	Colloidal gold
E-AD-C007	Cattle and Goat Tuberculosis Antibodies Rapid Test Kit	Cattle, Goat	Colloidal gold
E-AD-C008	Classical Swine Fever Virus Antibodies Rapid Test Kit	Swine	Colloidal gold
E-AD-C009	Porcine Reproductive and Respiratory Syndrome Virus Antibodies Rapid Test Kit	Swine	Colloidal gold
E-AD-C010	Porcine Foot and Mouth Disease Virus Type O Antibodies Rapid Test Kit	Swine	Colloidal gold
E-AD-C011	Cattle and Goat Foot and Mouth Disease Virus Type O Antibodies Rapid Test Kit	Cattle, Goat	Colloidal gold
E-AD-C012	Goat Foot and Mouth Disease Virus Type O Antibodies Rapid Test Kit	Goat	Colloidal gold
E-AD-C013	Cattle Foot and Mouth Disease Virus Type O Antibodies Rapid Test Kit	Cattle	Colloidal gold
E-AD-C014	Pseudorabies Virus Antibodies Rapid Test Kit	Swine	Colloidal gold
E-AD-C015	Porcine Circovirus 2 Antibodies Rapid Test Kit	Swine	Colloidal gold
E-AD-C017	Avian Influenza Virus Antibodies Rapid Test Kit	Poultry	Colloidal gold
E-AD-C018	Newcastle Disease Virus Antibodies Rapid Test Kit	Poultry	Colloidal gold
E-AD-C019	Avian Influenza H9 Virus Antibodies Rapid Test Kit	Poultry	Colloidal gold

al.
3
-18

Cat. No.	Product name	Reactivity	Product type
E-AD-C021	Avian Influenza H5 Virus Antibodies Rapid Test Kit	Poultry	Colloidal gold
E-AD-C023	Canine Parvovirus Antibodies Rapid Test Kit	Canine	Colloidal gold
E-AD-C024	Rabies Virus Antibodies Rapid Test Kit	Canine, Cat	Colloidal gold
E-AD-C025	Canine Distemper Virus Antibodies Rapid Test Kit	Canine	Colloidal gold
E-AD-C028	Peste des Petits Ruminants Virus Antibodies Rapid Test Kit	Goat, Sheep	Colloidal gold
E-AD-C029	Brucellosis Antibodies Rapid Test Kit	Cattle, Goat	Colloidal gold
E-AD-C030	Goat Brucellosis Antibodies Rapid Test Kit	Goat	Colloidal gold
E-AD-C031	Cattle Brucellosis Antibodies Rapid Test Kit	Cattle	Colloidal gold
E-AD-C032	Cattle and Goat Hydatid Antibodies Rapid Test Kit	Cattle, Goat	Colloidal gold
E-AD-C033	Foot and Mouth Disease Virus Type O Antibodies Rapid Test Kit	Swine, Cattle, Goat	Colloidal gold
E-AD-C035	Porcine Parvovirus Antibodies Rapid Test Kit	Swine	Colloidal gold
E-AD-C036	Avian Influenza H5N1 Virus Antibodies Rapid Test Kit	Poultry	Colloidal gold
E-AD-E002	Porcine Japanese Encephalitis Virus Antibodies ELISA Kit	Swine	ELISA
E-AD-E003	Porcine Circovirus Type 2 Antibodies ELISA Kit	Swine	ELISA
E-AD-E004	Porcine Toxoplasma Antibodies ELISA Kit	Swine	ELISA
E-AD-E005	Porcine Foot and Mouth Disease Virus Type O Antibodies ELISA Kit	Swine	ELISA
E-AD-E006	Porcine Reproductive and Respiratory Syndrome Virus Antibodies ELISA Kit	Swine	ELISA
E-AD-E007	Porcine Epidemic Diarrhea Virus Antibodies ELISA Kit	Swine	ELISA
E-AD-E008	Pseudorabies Disease Virus PRV-gD Antibodies ELISA Kit	Swine	ELISA

310	

Cat. No.	Product name	Reactivity	Product type
E-AD-E009	Classical Swine Fever Virus Antibodies ELISA Kit	Swine	ELISA
E-AD-E010	Porcine Parvovirus Antibodies ELISA Kit	Swine	ELISA
E-AD-E012	Chicken Infectious Bronchitis Virus Antibodies ELISA Kit	Poultry	ELISA
E-AD-E013	Newcastle Disease Virus Antibodies ELISA Kit	Poultry	ELISA
E-AD-E015	Avian Influenza H5N1 Virus Antibodies ELISA Kit	Poultry	ELISA
E-AD-E017	Foot and Mouth Disease Virus Type O Antibodies ELISA Kit	Swine, Cattle, Goat	ELISA
E-AD-E018	Cattle Foot and Mouth Disease Virus Type O Antibodies ELISA Kit	Cattle	ELISA
E-AD-E019	Foot and Mouth Disease Virus Type A Antibodies ELISA Kit	Swine, Cattle, Goat	ELISA
E-AD-E020	Foot and Mouth Disease Virus Type Asia I Antibodies ELISA Kit	Swine, Cattle, Goat	ELISA
E-AD-E021	Porcine Pseudorabies Disease Virus PRV-gE Antibodies ELISA Kit	Swine	ELISA
E-AD-E022	Goat Foot and Mouth Disease Virus Type Asia $ { m I} $ Antibodies ELISA Kit	Goat	ELISA
E-AD-E023	Goat Foot and Mouth Disease Virus Type Asia $ { m I} $ Antibodies ELISA Kit	Goat	ELISA
E-AD-E024	Goat Foot and Mouth Disease Virus NSP Antibodies ELISA Kit	Goat	ELISA
E-AD-E026	Goat Brucellosis Antibodies ELISA Kit	Goat	ELISA
E-AD-E027	Goat Foot and Mouth Disease Virus Type A Antibodies ELISA Kit	Goat	ELISA
E-AD-E028	Cattle Foot and Mouth Disease Virus Type Asia $ {f I} $ Antibodies ELISA Kit	Cattle	ELISA
E-AD-E030	Cattle Foot and Mouth Disease Virus Type Asia $ {f I} $ Antibodies ELISA Kit	Cattle	ELISA
E-AD-E032	Cattle Foot and Mouth Disease Virus NSP Antibodies ELISA Kit	Cattle	ELISA
E-AD-E034	Avian Influenza Virus Antibodies ELISA Kit	Poultry	ELISA

all a	
3	
4.6	

Cat. No.	Product name	Reactivity	Product type
E-AD-E035	Cattle Brucellosis Antibodies ELISA Kit	Cattle	ELISA
E-AD-E036	Goat Peste des Petits Ruminants Virus Antibodies ELISA Kit	Goat	ELISA
E-AD-E037	Cattle Foot and Mouth Disease Virus Type O Antibodies ELISA Kit	Cattle	ELISA
E-AD-E038	Cattle Foot and Mouth Disease Virus Type Asia $ { m I} $ Antibodies ELISA Kit	Cattle	ELISA
E-AD-E039	Cattle Foot and Mouth Disease Virus Type A Antibodies ELISA Kit	Cattle	ELISA
E-AD-E040	Porcine Pseudorabies Disease Virus PRV-gB Antibodies ELISA Kit	Swine	ELISA
E-AD-E041	Porcine Transmissible Gastroenteritis Virus Antibodies ELISA Kit	Swine	ELISA
E-AD-E043	Porcine Foot and Mouth Disease Virus NSP Antibodies ELISA Kit	Swine	ELISA
E-AD-E044	Anatine Avian Influenza Virus Antibodies ELISA Kit	Poultry	ELISA
E-AD-E045	Avian Influenza H5 Virus Antibodies ELISA Kit	Poultry	ELISA
E-AD-E046	Porcine Foot and Mouth Disease Virus VP1 Antibodies ELISA Kit	Swine	ELISA
E-AD-E050	Cattle and Goat Foot and Mouth Disease Virus Type O Antibodies ELISA Kit	Cattle, Goat	ELISA
E-AD-E052	Porcine Pseudorabies Disease Virus PRV-gpl Antibodies ELISA Kit	Swine	ELISA
E-AD-E055	Swine Influenza Virus Antibodies ELISA Kit	Swine	ELISA
E-AD-E057	Goat Foot and Mouth Disease Virus Type O Antibodies ELISA Kit	Goat	ELISA
E-AD-E058	Goat Foot and Mouth Disease Virus Type O Antibodies ELISA Kit	Goat	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 μg/L	Low	Hard to judge	Complex
Hemagglutination inhibition test	< 0.1 μg/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.

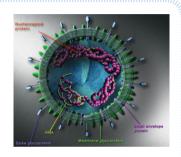
- Antigen detection: Detection of pathogen content in animal body.
- The main role: To diagnose whether the animal carrying a virus.

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.





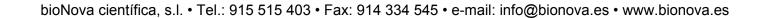


- Quick detection: 10~20 min for each sample.
- High sensitivity, strong specificity and easy operation.
- Low cost and no need for expensive instruments.
- Results are clear and could be observed by naked eyes.



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 spended on detection, you can receive your result after only about 1 hour.
- Results are read by apparatus with great objectivity.



Distributed by:



Tel.: 915 515 403

Fax: 914 334 545

e-mail: info@bionova.es

www.bionova.es