



Diagnostic solutions for human
infectious diseases

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Diagnostic solutions for human infectious diseases
wide range of ready-to-use kits

INTERNATIONAL PRODUCT CATALOGUE

Corporate

VIRCELL is a biotechnology company established from private capital in 1991. Founded by **clinical microbiologists** with previous professional experience in hospitals, our activity is focused on the production of ready-to-use kits for the diagnosis of infectious diseases, by means of different techniques.

Our international projection translates into worldwide **export** of our products. VIRCELL is well introduced in laboratories of more than 60 countries from most European countries, the Middle East, Asia and America.

Since the company foundation, our three main **objectives** are: to produce reagents of the highest quality, to provide accessible technical staff to ensure prompt and personal assistance in the use of these reagents, and to develop products bringing significant advances.

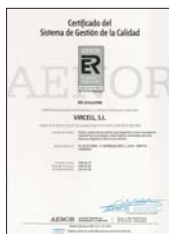
Certifications



ISO 13485:2003



CE



ISO 9001:2008



IQNet

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Highlights

- 1991** Company foundation.
- 1992** Commercialization of our ready-to-use cell cultures in Spain.
- 1994** First manufacture of diagnostic kits for IFA serological assays.
- 1996** Beginning of our export activity with Cell Culture and IFA kits.
- 1997** Expansion to new facilities. Development of Brucellapt[®] and the first ELISA kits.
- 1998** Achievement of ISO 9002:1994.
- 2000** Production of monoclonal antibodies.
- 2001** First steps toward CE mark.
- 2002** Creation of the R&D Molecular Biology Department.
- 2003** Creation of the R&D Rapid Tests Department. Adaptation to ISO 9001:2000 and achievement of CE mark. Obtention of SARS' recAg.
- 2004** Acquisition of new facilities. Start of our own production and development of recAg. Opening of the Line Blot and PCR ELISA research lines.
- 2005** Achievement of ISO 13485:2003. Registration as a provider for the Secretariat General of Health of the Gulf countries. Launching of the first products of Molecular Biology, PCR Controls.
- 2006** Participation in the project "Development of a rapid test for the diagnosis of Tuberculosis", funded by the European Commission. New Generation of PCR Controls.
- 2007** Extension of ELISA product line. New facilities for Molecular Biology Department. Speed-oligo[®] launching with all the advantages of Molecular Biology in a quick detection.
- 2008** Extension of Speed-oligo[®], ELISA and IFA product lines. Completion of the last stage of development for Rapid Tests.
- 2009** Extension of Molecular Biology product line: Speed-oligo[®] and PCR Controls. Launching of the new Rapid Tests: VIRapid[®]. Adaptation to ISO 9001:2008.
- 2010** SFDA approval for PNEUMOSLIDE IgM commercialization in China. Extension of Molecular Biology and Rapid Test product lines. Land acquisition for new facilities



Diagnostic solutions for human infectious diseases

wide range of ready-to-use kits

ELISA kits

ELISA single tests for detecting antibodies against Herpesvirus, TORCH and a wide range of infectious agents causing respiratory diseases, sexually transmitted diseases and others.

ELISA multitests for pneumonia diagnosis.

2

IFA kits

Single tests for detection of bacteria, fungi, viruses and parasites.

Multitests for pneumonia diagnosis.

4

BRUCELLACAPT®

A single-step immunocapture-agglutination assay for the diagnosis of chronic brucellosis.

6

PCR Controls

PCR Controls containing complete purified DNA or RNA from a wide range of infectious agents.

8

Speed-oligo®

Oligochromatographic tests for qualitative detection of different infectious diseases.

10

VIRapid®

Immunochromatographic tests for qualitative detection of different infectious diseases.

12

Transport Media

Collection and transport system for virus, chlamydia and mycoplasma.

13

Cell lines

The most frequently used cell lines for clinical virology applications.

14

Monoclonal Antibodies

Monoclonal antibody kits for the direct investigation of those viruses, bacteria and protozoa associated to human infections, usually diagnosed by cell culture.

15

ELISA Kits

Single tests for antibody detection

Enzyme-linked immunosorbent assay, also called ELISA, is a biochemical technique mainly used in immunology to detect the presence of antibodies in a sample.

Even if some infectious diseases have a different gold standard, ELISA is by far the favorite technique for the diagnosis of infectious diseases. It is a partial or totally automated technique, easy to perform that offers objective results within one working day in the laboratory.

With more than 14 years of experience, Vircell offers ELISA single tests for detecting specific antibodies against Herpesvirus, TORCH and a wide range of infectious agents causing respiratory diseases and sexually transmitted diseases, among others, in human serum/plasma samples.

PRODUCT FEATURES

- High performance and guaranteed stability with lyophilized conjugates when necessary.
- Additional semi quantification protocols where quantification is relevant for diagnosis.
- Suitable for automated ELISA systems.
- No sample pre-dilution required.
- Coloured, ready-to-use liquid reagents.
- Colour-coded plates with individual break-apart wells.
- IgM detection in indirect ELISA: absorption of IgG directly in the well using VIRCELL ELISA SORBENT.
- G/M presentations allowing the performance of all possible combinations of IgG and IgM determinations.

Ordering Information

Adenovirus

Cat. No.		Pack size
G/M1004	ADENOVIRUS ELISA IgG/IgM	96 tests

Brucella

Cat. No.		Pack size
G1003	BRUCELLA ELISA IgG	96 tests
M1006	BRUCELLA ELISA IgM	96 tests

Chagas (*Trypanosoma cruzi*)

Cat. No.		Pack size
T1020	CHAGAS ELISA IgG+IgM	96 tests

Chlamydia

Cat. No.		Pack size
G/M1003	CHLAMYDIA ELISA IgG/IgM	96 tests
A1017	CHLAMYDIA TRACHOMATIS ELISA IgA	96 tests
G/M1017	CHLAMYDIA TRACHOMATIS ELISA IgG/IgM	96 tests
A1007	CHLAMYDOPHILA PNEUMONIAE ELISA IgA	96 tests
G1007	CHLAMYDOPHILA PNEUMONIAE ELISA IgG <i>includes additional semi quantification protocol</i>	96 tests
M1007	CHLAMYDOPHILA PNEUMONIAE ELISA IgM	96 tests

Coxiella burnetii (phase II)

Cat. No.		Pack size
G1001	COXIELLA BURNETII ELISA IgG	96 tests
M1001	COXIELLA BURNETII ELISA IgM	96 tests

Cytomegalovirus

Cat. No.		Pack size
G1004	CYTOMEGALOVIRUS ELISA IgG <i>includes additional semi quantification protocol</i>	96 tests
M1004	CYTOMEGALOVIRUS ELISA IgM CAPTURE <i>µ-Capture technique. Lyophilized conjugates</i>	96 tests

Dengue

Cat. No.		Pack size
G1018	DENGUE ELISA IgG	96 tests
M1018	DENGUE ELISA IgM CAPTURE <i>MAC capture technique. Lyophilized conjugates</i>	96 tests

Epstein-Barr virus

Cat. No.		Pack size
G1205	EPSTEIN-BARR EA ELISA IgG	96 tests
G1105	EPSTEIN-BARR EBNA ELISA IgG	96 tests
G1005	EPSTEIN-BARR VCA ELISA IgG	96 tests
M1005	EPSTEIN-BARR VCA ELISA IgM	96 tests

Helicobacter pylori

Cat. No.		Pack size
G1022	HELICOBACTER PYLORI ELISA IgG	96 tests

Ordering Information

Herpes simplex virus

Cat. No.		Pack size
G/M1012	HERPES SIMPLEX 1 ELISA IgG/IgM <i>gG1 recombinant</i>	96 tests
G/M1013	HERPES SIMPLEX 2 ELISA IgG/IgM <i>gG2 purified</i>	96 tests
G/M1016	HERPES SIMPLEX 1+2 ELISA IgG/IgM	96 tests

Hydatidosis (*Echinococcus granulosus*)

Cat. No.		Pack size
G1006	HYDATIDOSIS ELISA IgG	96 tests

Influenza virus

Cat. No.		Pack size
G/M1007	INFLUENZA A ELISA IgG/IgM	96 tests
G/M1008	INFLUENZA B ELISA IgG/IgM	96 tests

Legionella pneumophila

Cat. No.		Pack size
G1000	LEGIONELLA PNEUMOPHILA SG 1 ELISA IgG	96 tests
M1000	LEGIONELLA PNEUMOPHILA SG 1 ELISA IgM	96 tests
T1001	LEGIONELLA PNEUMOPHILA SG 1-6 ELISA IgG+IgM	96 tests

Leishmania infantum

Cat. No.		Pack size
T1000	LEISHMANIA ELISA IgG+IgM	96 tests

Measles

Cat. No.		Pack size
G/M1001	MEASLES ELISA IgG/IgM	96 tests

Mumps

Cat. No.		Pack size
G/M1014	MUMPS ELISA IgG/IgM	96 tests

Mycoplasma pneumoniae

Cat. No.		Pack size
G1002	MYCOPLASMA PNEUMONIAE ELISA IgG	96 tests
G/M1015	MYCOPLASMA PNEUMONIAE ELISA IgG/IgM	96 tests
M1002	MYCOPLASMA PNEUMONIAE ELISA IgM	96 tests

Parainfluenza virus

Cat. No.		Pack size
G/M1009	PARAINFLUENZA 1 ELISA IgG/IgM	96 tests
G/M1010	PARAINFLUENZA 2 ELISA IgG/IgM	96 tests
G/M1011	PARAINFLUENZA 3 ELISA IgG/IgM	96 tests

Parvovirus

Cat. No.		Pack size
G1031	PARVOVIRUS ELISA IgG	96 tests
M1031	PARVOVIRUS ELISA IgM CAPTURE <i>μ-Capture technique. Lyophilized conjugates</i>	96 tests

Respiratory syncytial virus

Cat. No.		Pack size
G/M1006	RESPIRATORY SYNCYTIAL VIRUS ELISA IgG/IgM	96 tests

Ordering Information

Rickettsia conorii

Cat. No.		Pack size
G/M1005	RICKETTSIA CONORII ELISA IgG/IgM	96 tests

Rubella

Cat. No.		Pack size
G1026	RUBELLA ELISA IgG <i>includes additional semi quantification protocol</i>	96 tests
M1026	RUBELLA ELISA IgM CAPTURE <i>μ-Capture technique</i>	96 tests

Syphilis (*Treponema pallidum*)

Cat. No.		Pack size
G1060	SYPHILIS ELISA IgG	96 tests
T1060	SYPHILIS ELISA IgG+IgM	96 tests

Tetanus

Cat. No.		Pack size
G1008	TETANUS ELISA IgG <i>includes additional semi quantification protocol</i>	96 tests

Toxoplasma gondii

Cat. No.		Pack size
G1027	TOXOPLASMA ELISA IgG <i>includes additional semi quantification protocol</i>	96 tests
M1027	TOXOPLASMA ELISA IgM CAPTURE <i>μ-Capture technique. Lyophilized conjugates</i>	96 tests

Varicella- Zoster virus

Cat. No.		Pack size
G/M1002	VARICELLA-ZOSTER ELISA IgG/IgM	96 tests

Multitests for antibody detection

Enzyme-linked immunosorbent assays for the simultaneous screening of different ethiological agents in human serum/plasma. The ELISA multitests contain control sera and conjugates for the different types of antigens.

Ordering Information

Pneumonia

Cat. No.		Pack size
G1040	PNEUMOBACT ELISA IgG <i>Legionella pneumophila sg 1, Mycoplasma pneumoniae, Coxiella burnetii and Chlamydomphila pneumoniae</i>	96 tests
M1040	PNEUMOBACT ELISA IgM <i>Legionella pneumophila sg 1, Mycoplasma pneumoniae, Coxiella burnetii and Chlamydomphila pneumoniae</i>	96 tests
G1050	PNEUMOVIRUS ELISA IgG RSV, Influenza A, Influenza B, Parainfluenza 1, Parainfluenza 2 and Parainfluenza 3	96 tests

Other ELISA products

Ordering Information

Cat. No.		Pack size
S001	ELISA SORBENT (2,4 ml)	92 tests
S001-100	ELISA SORBENT (100 ml)	4000 tests
B0001	WASH BUFFER FOR ELISA KITS (500 ml 20x)	3000 tests
B0003	SERUM DILUENT FOR ELISA KITS (500 ml)	5000 tests

All Vircell ELISA IgA and IgM references are adjusted for performance with Vircell ELISA SORBENT only.

IFA Kits

Single tests for antibody detection

Indirect immunofluorescent assays to detect antibodies against viruses, bacteria, parasites and fungi. The P- references contain all the necessary reagents to perform the technique: slides, controls, PBS, mounting medium, conjugates and sorbent when necessary. The S- references stand for the slides.

Vircell has 17 years of experience in the IFA product line, which is considered as a gold standard technique for parameters such as chlamydia, coxiella or bartonella.

Ordering Information

Adenovirus

Cat. No.		Pack size
PADNG	ADENOVIRUS IFA IgG	100 tests
PADNM	ADENOVIRUS IFA IgM	100 tests
SADN	ADENOVIRUS IFA SLIDE	100 tests

Bartonella henselae and Bartonella quintana

Cat. No.		Pack size
PBAHQG	BARTONELLA HENSELAE & QUINTANA IFA IgG	100 tests
PBAHQM	BARTONELLA HENSELAE & QUINTANA IFA IgM	100 tests
SBAHQ	BARTONELLA HENSELAE & QUINTANA IFA SLIDE	100 tests

Candida albicans

Cat. No.		Pack size
PCAAIG	CANDIDA ALBICANS IFA IgG	25 tests

Chagas (Trypanosoma cruzi)

Cat. No.		Pack size
PCHAG	CHAGAS IFA IgG+IgM	100 tests

Chlamydia pneumoniae

Cat. No.		Pack size
PCHPNG	CHLAMYDOPHILA PNEUMONIAE IFA IgG	100 tests
PCHPNM	CHLAMYDOPHILA PNEUMONIAE IFA IgM	100 tests
SCHPN	CHLAMYDOPHILA PNEUMONIAE IFA SLIDE	100 tests

Coxiella burnetii

Cat. No.		Pack size
PCOBUG	COXIELLA BURNETII IFA IgG	100 tests
PCOBUM	COXIELLA BURNETII IFA IgM	100 tests
PCOBU I+II	COXIELLA BURNETII I+II IFA IgG/IgM/IgA	100 tests
SCOBU	COXIELLA BURNETII IFA SLIDE	100 tests

Influenza virus

Cat. No.		Pack size
PINFAG	INFLUENZA A IFA IgG	100 tests
PINFAM	INFLUENZA A IFA IgM	100 tests
SINF	INFLUENZA A IFA SLIDE	100 tests
PINFBG	INFLUENZA B IFA IgG	100 tests
PINFBM	INFLUENZA B IFA IgM	100 tests
SINF	INFLUENZA B IFA SLIDE	100 tests

Ordering Information

Legionella

Cat. No.		Pack size
PLEPNG	LEGIONELLA PNEUMOPHILA IFA IgG	100 tests
PLEPNM	LEGIONELLA PNEUMOPHILA IFA IgM	100 tests
SLEPN	LEGIONELLA PNEUMOPHILA IFA SLIDE	100 tests
PLESXG	LEGIONELLA PNEUMOPHILA SG 1-6 IFA IgG	100 tests
PLESPG	LEGIONELLA SP IFA IgG	100 tests

Leishmania

Cat. No.		Pack size
PLEDOG	LEISHMANIA IFA IgG	100 tests
SLEDO	LEISHMANIA IFA SLIDE	100 tests

Mycoplasma pneumoniae

Cat. No.		Pack size
PMYPNG	MYCOPLASMA PNEUMONIAE IFA IgG	100 tests
PMYPNM	MYCOPLASMA PNEUMONIAE IFA IgM	100 tests
SMYPN	MYCOPLASMA PNEUMONIAE IFA SLIDE	100 tests

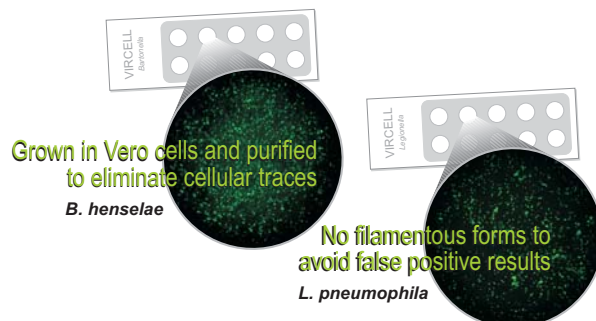
Respiratory syncytial virus

Cat. No.		Pack size
PVSRG	RESPIRATORY SYNCYTIAL VIRUS IFA IgG	100 tests
PVSRM	RESPIRATORY SYNCYTIAL VIRUS IFA IgM	100 tests
SVSR	RESPIRATORY SYNCYTIAL VIRUS IFA SLIDE	100 tests

Rickettsia conorii

Cat. No.		Pack size
PRICOG	RICKETTSIA CONORII IFA IgG	100 tests
SRICO	RICKETTSIA CONORII IFA SLIDE	100 tests

Avoid false positives with the **Gold Standard** technique!



Multitests for antibody detection

Indirect immunofluorescent assays to detect antibodies against the main ethiological agents causing infectious diseases of the respiratory tract.

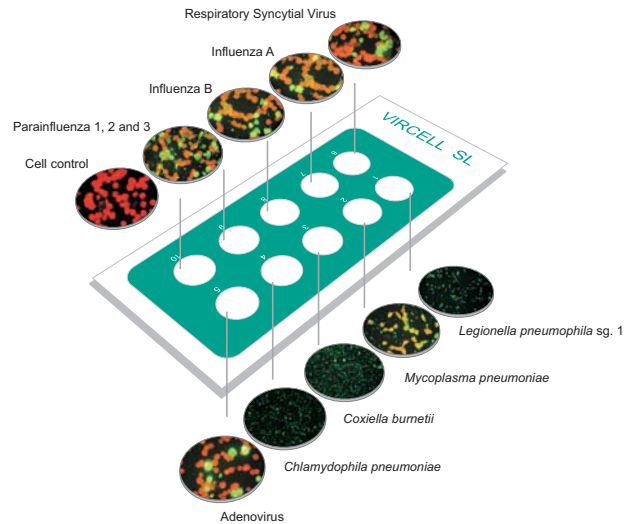
Multitest kits provide a great advantage by allowing systematization of laboratory orders into diagnostic panels. This type of kits helps to achieve a better organized work, rendering more efficient results together with considerable savings in logistics. Discover the IFA solution to pneumonia serological diagnosis.

Pneumoslide

Simultaneous detection of the **bacteria** and **viruses** most frequently associated with human respiratory infections, by using a single slide.

Pneumoslide IgG is designed to carry out a presumptive diagnosis by means of IgG antibody detection. The kit contains 20 slides of 10 wells each, PBS, positive and negative control, anti-human IgG FITC conjugate and mounting medium.

Pneumoslide IgM allows presumptive diagnosis by measuring IgM responses. The kit contains 10 slides of 10 wells each, PBS, positive and negative control, anti-human IgM FITC conjugate, mounting medium and anti-human IgG globulin (sorbent).



PNEUMOSLIDE (Refs. NSLIDEG and NSLIDEM)

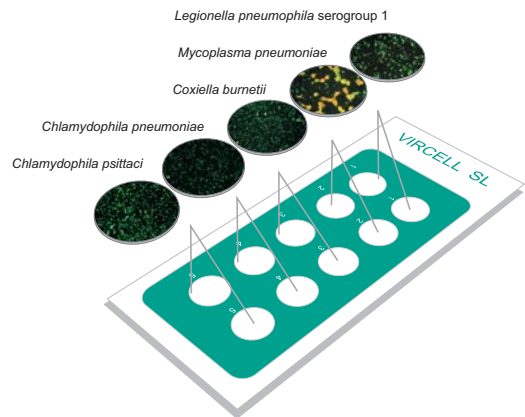
Ordering Information

Cat. No.	Pack size
NSLIDEG PNEUMOSLIDE IgG	20 tests
<i>Legionella pneumophila</i> sg 1, <i>Mycoplasma pneumoniae</i> , <i>Coxiella burnetii</i> , <i>Chlamydomphila pneumoniae</i> , Adenovirus, RSV, Influenza A, Influenza B and Parainfluenza 1, 2 and 3	
NSLIDEM PNEUMOSLIDE IgM	10 tests
<i>Legionella pneumophila</i> sg 1, <i>Mycoplasma pneumoniae</i> , <i>Coxiella burnetii</i> , <i>Chlamydomphila pneumoniae</i> , Adenovirus, RSV, Influenza A, Influenza B and Parainfluenza 1, 2 and 3	

Pneumobact

Simultaneous detection of the **bacteria** most frequently associated with human respiratory infections, by using a single slide.

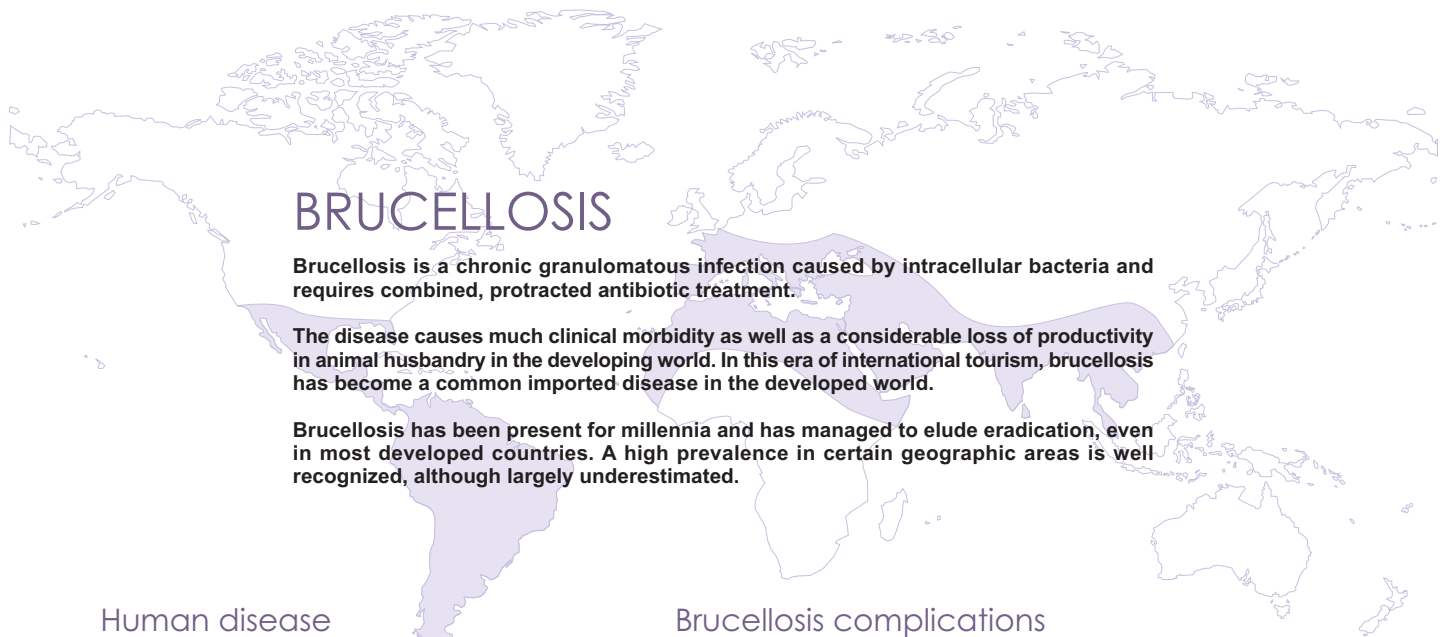
Pneumobact is aimed at the performance of presumptive diagnosis through IgG and IgM antibody detection. The kit contains 10 slides with two rows of 5 wells each, PBS, positive and negative controls, anti-human IgG FITC conjugate, anti-human IgM FITC conjugate, mounting medium and anti-human IgG globulin (sorbent).



PNEUMOBACT (Ref. NBACT)

Ordering Information

Cat. No.	Pack size
NBACT PNEUMOBACT	20 tests
<i>Legionella pneumophila</i> sg 1, <i>Mycoplasma pneumoniae</i> , <i>Coxiella burnetii</i> , <i>Chlamydomphila pneumoniae</i> and <i>Chlamydomphila psittaci</i>	



BRUCELLOSIS

Brucellosis is a chronic granulomatous infection caused by intracellular bacteria and requires combined, protracted antibiotic treatment.

The disease causes much clinical morbidity as well as a considerable loss of productivity in animal husbandry in the developing world. In this era of international tourism, brucellosis has become a common imported disease in the developed world.

Brucellosis has been present for millennia and has managed to elude eradication, even in most developed countries. A high prevalence in certain geographic areas is well recognized, although largely underestimated.

Human disease

Transmission of brucellosis to humans occurs through the consumption of infected, unpasteurized animal-milk products, through direct contact with infected animal parts (such as the placenta by inoculation through ruptures of skin and mucous membranes), and through the inhalation of infected aerosolized particles.

Brucellosis is an occupational disease in shepherds, abattoir workers, veterinarians, dairy-industry professionals, and personnel in microbiology laboratories. One important epidemiologic step in containing brucellosis in the community is the screening of household members of infected persons.

Four species of brucella can cause human disease: *B. melitensis*, *B. abortus*, *B. suis*, and *B. canis*. The vast majority of cases worldwide are attributed to *B. melitensis*. A recent study did not report any clinical differences between cases caused by *B. melitensis* and those caused by *B. abortus*.

Human brucellosis is traditionally described as a disease of protean manifestations. However, fever is invariable and can be spiking and accompanied by rigors, if bacteremia is present, or may be relapsing, mild, or protracted. Malodorous perspiration is almost pathognomonic. Constitutional symptoms are generally present. Physical examination is generally nonspecific, though lymphadenopathy, hepatomegaly, or splenomegaly is often present.

Brucellosis complications

Osteoarticular disease is universally the most common complication of brucellosis, and three distinct forms exist — peripheral arthritis, sacroiliitis, and spondylitis. Peripheral arthritis is the most common and is nonerosive, since it usually involves the knees, hips, ankles, and wrists in the context of acute infection. Prosthetic joints can also be affected in peripheral arthritis. Brucellosis has also been proposed as a cause of reactive arthritis. A second form, characterized by sacroiliitis, is readily diagnosed, also usually in the context of acute brucellosis.

On the other hand, a third form of osteoarticular disease, spondylitis, remains notoriously difficult to treat and often seems to result in residual damage.

The **reproductive system** is the second most common site of focal brucellosis. Brucellosis can present as epididymo-orchitis in men and is often difficult to differentiate from other local disease.

The effect of the local inflammation on subsequent testicular function has not been adequately studied.

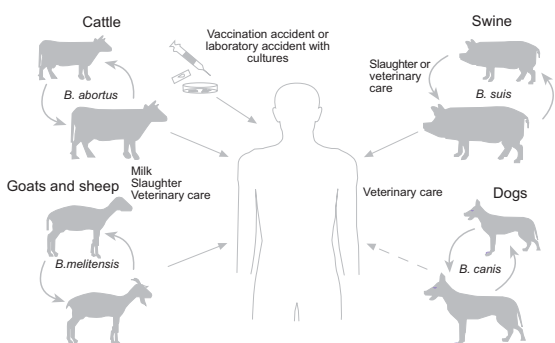
Brucellosis in pregnancy poses a substantial risk of spontaneous abortion.

Hepatitis is common, usually manifesting as mild transaminasemia. Liver abscess and jaundice are rare. Granulomas can be present in liver-biopsy specimens in cases of both *B. melitensis* and *B. abortus*. Ascites is often present, either as a temporary exacerbation of preexisting hepatic disease or as frank peritonitis.

The **central nervous system** is involved in 5 to 7 percent of cases in most studies, and such complications often have an ominous prognosis. Meningitis, encephalitis, meningoencephalitis, meningovascular disease, brain abscesses, and demyelinating syndromes have all been reported.

Endocarditis remains the principal cause of mortality in the course of brucellosis. It usually involves the aortic valve and typically requires immediate surgical valve replacement. Early recognition, adequate antibiotic treatment, and the absence of signs of heart failure can guide the practitioner toward prolonged, conservative treatment.

Respiratory complications of brucellosis are considered rare. A recent multinational review of cases with respiratory complications indicated that approximately 16 percent of cases had pulmonary involvement that included lobar pneumonia and pleural effusions.



In sum, practically every organ and system of the human body can be affected in brucellosis — a fact that underscores the importance of including brucellosis in the differential diagnosis in areas of endemic disease, even if clinical features are not entirely compatible.

BRUCELLACAPT®

Immunocapture technique for the diagnosis of CHRONIC brucellosis

BRUCELLACAPT® is specially recommended for the diagnosis of chronic brucellosis and treatment follow-up. Based on an immunocapture technique, it allows the detection, in a single step, of the non-agglutinating IgG and IgA antibodies, as well as the agglutinating antibodies.

The high variety of clinical manifestations of human brucellosis makes it difficult to diagnose.

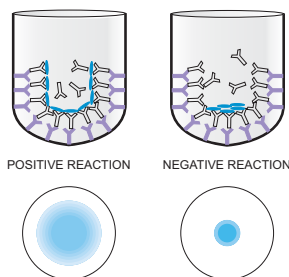
Direct agglutination, Rose Bengal test, Coombs' test and ELISA are the most widely used techniques for the serological diagnosis of brucellosis. While in acute forms all these techniques are sensitive enough, in more evolved forms, only Coombs' test is reliable to serologically discard a diagnosis of the disease. In this test, incomplete non-agglutinating antibodies are detected by adding an anti-human immunoglobulin serum that facilitates the reaction. Yet, Coombs' test is tiresome to perform and thus not carried out routinely in many laboratories, leading to a considerable number of misdiagnosed cases.

BRUCELLACAPT®, with the highest correlation with Coombs' tests, is performed in an easy and direct way. Its great sensitivity and specificity have been reflected in scientific literature.

Other advantages of **BRUCELLACAPT®** over Coombs' test are: immediate performance, simple use and handling, all reagents included in the kit, no washing required and easy reading in 24 hours.

Principle of the test

The test consists of U-bottom well-strips coated with anti-human immunoglobulins. After addition and dilution of serum, the antigen is added and strips are incubated for 24 hours until agglutination takes place. This assay allows the detection of both agglutinating and incomplete antibodies which, otherwise, could only be measured by means of Coombs' test.



Sample interpretation

BRUCELLACAPT® offers visual results with a simple interpretation. The test is positive if a net covering the whole well surface appears. A button of bacteria in the center of the well indicates a negative result.



PRODUCT FEATURES

User-friendly

- Fast and simple performance
- Visual reading in 24 hours
- No washing required
- Coloured serum diluent facilitates dispensation and avoids pipetting errors
- No sample predilution required

Performance

- Highest sensitivity and specificity
- International recognition shown in scientific literature

Flexibility

- 96- well plates with individual break-apart wells
- Allows for screening and titration protocols

Ordering Information

Cat. No.		Pack size
BRUCAPT	BRUCELLACAPT® allows for screening (96 tests) and titration (24 tests)	96/24 tests
B0002	SERUM DILUENT FOR BRUCELLACAPT® allows for 500 tests in screening	500 ml

■ Designed for the diagnosis of CHRONIC brucellosis

In chronic brucellosis, reinfections and relapses, the immune response is characterized by the predominance of non-agglutinating IgG antibodies, specially detectable by BRUCELLACAPT®.

■ More SENSITIVE than Rose Bengal

BRUCELLACAPT® may be more costly than the standardized technique, Rose Bengal. However, the latter is not suitable for the diagnosis of the chronic phase of the illness.

■ An EXCLUSIVE technology to discover

BRUCELLACAPT® is an exclusive Vircell's technology. It is a quantitative technique, very useful in endemic areas. In order to appreciate its qualities, we recommend the trial of the product.

Rose Bengal

Rose Bengal technique is a fast, simple and sensitive assay widely used as screening test in the diagnosis of brucellosis.

Ordering Information

Cat. No.		Pack size
RB001	ROSE BENGAL	125 tests

PCR Controls

Vircell's range of PCR controls has been developed to allow the amplification and testing of any region of the genome which is present in natural infections.

Our controls are obtained from whole microorganisms, serving as positive controls in nucleic acid amplification reactions, as well as controls for extraction.

Product description

PCR controls containing complete purified DNA or RNA from a wide range of infectious agents.

Presentation

Lyophilized controls for reconstitution in sterile bidistilled water.

Shelf life

30 months for DNA and 24 months for RNA maximum, following storage recommendations.

Storage and transport conditions

No special conditions are required for transport. In lyophilized presentation, the PCR controls can be stored refrigerated. When using the product, users are advised to reconstitute the controls, make aliquots, and store them at temperatures between -5 and -40°C for DNA and between -70 and -90°C for RNA.

Ordering Information

Acanthamoeba castellanii

Cat. No.

MBC054 ACANTHAMOEBA CASTELLANI DNA CONTROL

Adenovirus

Cat. No.

MBC001 ADENOVIRUS DNA CONTROL
12500 copies/µl

Aspergillus fumigatus

Cat. No.

MBC002 ASPERGILLUS FUMIGATUS DNA CONTROL

Bacillus cereus

Cat. No.

MBC004 BACILLUS CEREUS DNA CONTROL

Bartonella

Cat. No.

MBC005 BARTONELLA HENSELAE DNA CONTROL
MBC006 BARTONELLA QUINTANA DNA CONTROL

BK virus

Cat. No.

MBC051 BK VIRUS DNA CONTROL
12500 copies/µl

Bordetella

Cat. No.

MBC092 BORDETELLA HOLMESII DNA CONTROL
12500 copies/µl
MBC007 BORDETELLA PARAPERTUSSIS DNA CONTROL
MBC008 BORDETELLA PERTUSSIS DNA CONTROL

Borrelia

Cat. No.

MBC078 BORRELIA AZFELII DNA CONTROL
12500 copies/µl
MBC076 BORRELIA BURGENDORFERI DNA CONTROL
12500 copies/µl
MBC077 BORRELIA GARINII DNA CONTROL
12500 copies/µl

Brucella abortus

Cat. No.

MBC009 BRUCELLA ABORTUS DNA CONTROL

Ordering Information

Campylobacter jejuni

Cat. No.

MBC088 CAMPYLOBACTER JEJUNI DNA CONTROL
12500 copies/µl

Candida albicans

Cat. No.

MBC010 CANDIDA ALBICANS DNA CONTROL

Chlamydia

Cat. No.

MBC012 CHLAMYDIA TRACHOMATIS DNA CONTROL
12500 copies/µl
MBC011 CHLAMYDOPHILA PNEUMONIAE DNA CONTROL
12500 copies/µl
MBC013 CHLAMYDOPHILA PSITTACI DNA CONTROL
12500 copies/µl

Coccidioides immitis

Cat. No.

MBC014 COCCIDIOIDES IMMITIS DNA CONTROL

Coronavirus

Cat. No.

MBC090 CORONAVIRUS RNA CONTROL
≥ 12500 copies/µl

Coxiella burnetii

Cat. No.

MBC018 COXIELLA BURNETII DNA CONTROL
12500 copies/µl

Coxsackie virus

Cat. No.

MBC063 COXSACKIE A6 RNA CONTROL
MBC061 COXSACKIE B1 RNA CONTROL
MBC062 COXSACKIE B5 RNA CONTROL

Cryptococcus neoformans

Cat. No.

MBC015 CRYPTOCOCCUS NEOFORMANS DNA CONTROL

Cytomegalovirus

Cat. No.

MBC016 CYTOMEGALOVIRUS DNA CONTROL
12500 copies/µl

Dengue virus

Cat. No.

MBC055 DENGUE 1 VIRUS RNA CONTROL
MBC056 DENGUE 2 VIRUS RNA CONTROL
MBC057 DENGUE 3 VIRUS RNA CONTROL
MBC058 DENGUE 4 VIRUS RNA CONTROL

Echovirus

Cat. No.

MBC064 ECHOVIRUS 5 RNA CONTROL

Enterovirus

Cat. No.

MBC019 ENTEROVIRUS 71 RNA CONTROL
≥ 12500 copies/µl

Escherichia coli

Cat. No.

MBC022 ESCHERICHIA COLI (VTEC) DNA CONTROL
12500 copies/µl

Epstein-Barr virus

Cat. No.

MBC065 EPSTEIN-BARR VIRUS DNA CONTROL
12500 copies/µl

Haemophilus

Cat. No.

MBC021 HAEMOPHILUS DUCREYI DNA CONTROL
MBC020 HAEMOPHILUS INFLUENZAE DNA CONTROL
12500 copies/µl

Ordering Information

Herpes virus

Cat. No.

MBC023	HERPES SIMPLEX 1 DNA CONTROL 12500 copies/µl
MBC024	HERPES SIMPLEX 2 DNA CONTROL 12500 copies/µl
MBC025	HHV-6 DNA CONTROL 12500 copies/µl

Influenza virus

Cat. No.

MBC028	INFLUENZA A H1 RNA CONTROL ≥ 12500 copies/µl
MBC029	INFLUENZA A H3 RNA CONTROL ≥ 12500 copies/µl
MBC052	INFLUENZA A H5 RNA CONTROL ≥ 12500 copies/µl
MBC030	INFLUENZA B RNA CONTROL ≥ 12500 copies/µl
MBC081	NOVEL INFLUENZA A H1N1 (plasmid) DNA CONTROL 12500 copies/µl
MBC082	NOVEL INFLUENZA A H1N1 RNA CONTROL ≥ 12500 copies/µl

Legionella pneumophila

Cat. No.

MBC031	LEGIONELLA PNEUMOPHILA DNA CONTROL 12500 copies/µl
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Leishmania

Cat. No.

MBC060	LEISHMANIA CHAGASI DNA CONTROL
MBC032	LEISHMANIA INFANTUM DNA CONTROL

Listeria monocytogenes

Cat. No.

MBC033	LISTERIA MONOCYTOGENES DNA CONTROL
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Measles virus

Cat. No.

MBC046	MEASLES RNA CONTROL
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Mumps virus

Cat. No.

MBC040	MUMPS RNA CONTROL
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Mycobacterium

Cat. No.

MBC086	MYCOBACTERIUM AVIUM DNA CONTROL 12500 copies/µl
MBC087	MYCOBACTERIUM INTRACELLULARE DNA CONTROL 12500 copies/µl
MBC034	MYCOBACTERIUM TUBERCULOSIS DNA CONTROL 12500 copies/µl

Mycoplasma

Cat. No.

MBC085	MYCOPLASMA GENITALIUM DNA CONTROL 12500 copies/µl
MBC084	MYCOPLASMA HOMINIS DNA CONTROL 12500 copies/µl
MBC035	MYCOPLASMA PNEUMONIAE DNA CONTROL 12500 copies/µl

Neisseria

Cat. No.

MBC075	NEISSERIA GONORRHOEAE DNA CONTROL 12500 copies/µl
MBC036	NEISSERIA MENINGITIDIS SEROGROUP A DNA CONTROL 12500 copies/µl
MBC066	NEISSERIA MENINGITIDIS SEROGROUP B DNA CONTROL 12500 copies/µl
MBC053	NEISSERIA MENINGITIDIS SEROGROUP C DNA CONTROL 12500 copies/µl

Papillomavirus

Cat. No.

MBC067	PAPILLOMAVIRUS TYPE 16 (Ca Ski cells) DNA CONTROL 12500 copies/µl
MBC068	PAPILLOMAVIRUS TYPE 18 (HeLa cells) DNA CONTROL 12500 copies/µl

Ordering Information

Parainfluenza virus

Cat. No.

MBC037	PARAINFLUENZA 1 RNA CONTROL ≥ 12500 copies/µl
MBC038	PARAINFLUENZA 2 RNA CONTROL ≥ 12500 copies/µl
MBC039	PARAINFLUENZA 3 RNA CONTROL ≥ 12500 copies/µl

Parvovirus

Cat. No.

MBC080	PARVOVIRUS B19 (plasmid) DNA CONTROL 12500 copies/µl
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Respiratory syncytial virus

Cat. No.

MBC041	RESPIRATORY SYNCYTIAL VIRUS (subtype A) RNA CONTROL ≥ 12500 copies/µl
MBC083	RESPIRATORY SYNCYTIAL VIRUS (subtype B) RNA CONTROL ≥ 12500 copies/µl

Rhinovirus

Cat. No.

MBC091	RHINOVIRUS RNA CONTROL ≥ 12500 copies/µl
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Rickettsia conorii

Cat. No.

MBC042	RICKETTSIA CONORII DNA CONTROL
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Salmonella

Cat. No.

MBC003	SALMONELLA ENTERITIDIS DNA CONTROL 12500 copies/µl
MBC044	SALMONELLA TYPHI DNA CONTROL

SARS coronavirus

Cat. No.

MBC017	SARS CORONAVIRUS (plasmid) DNA CONTROL 12500 copies/µl
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Shigella flexneri

Cat. No.

MBC089	SHIGELLA FLEXNERI DNA CONTROL 12500 copies/µl
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Staphylococcus aureus

Cat. No.

MBC073	STAPHYLOCOCCUS AUREUS (mecA-) DNA CONTROL
MBC074	STAPHYLOCOCCUS AUREUS (mecA+) DNA CONTROL

Streptococcus

Cat. No.

MBC071	STREPTOCOCCUS AGALACTIAE DNA CONTROL 12500 copies/µl
MBC070	STREPTOCOCCUS PNEUMONIAE DNA CONTROL 12500 copies/µl

Toxoplasma gondii

Cat. No.

MBC047	TOXOPLASMA GONDII DNA CONTROL 12500 copies/µl
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Trichomonas vaginalis

Cat. No.

MBC079	TRICHOMONAS VAGINALIS DNA CONTROL 12500 copies/µl
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Trypanosoma

Cat. No.

MBC059	TRYPANOSOMA CRUZI DNA CONTROL
MBC093	TRYPANOSOMA RANGELI DNA CONTROL 12500 copies/µl

Varicella-Zoster virus

Cat. No.

MBC048	VARICELLA-ZOSTER VIRUS DNA CONTROL 12500 copies/µl
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West Nile virus

Cat. No.

MBC069	WEST NILE VIRUS RNA CONTROL
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New products are under development. Please consult our Sales Department for information on other controls available.

Speed-oligo®

Quick visual oligochromatographic tests

Based on a PCR technique, Speed-oligo® provides all the advantages of Molecular Biology in a quick detection, allowing an immediate result, highly sensitive and specific.

This new technique, developed by Vircell, takes place in 3 steps: DNA extraction, amplification of the specific oligo pair (PCR) and detection of the amplified product with the strip. The reading of the results can be done either visual or automatically.

Speed-oligo® contains all the reagents necessary to perform the PCR reaction and the detection step.

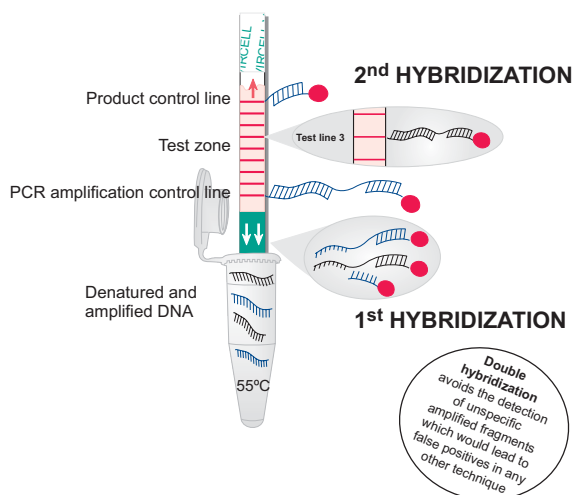


Principle of the test (detection step)

The denatured PCR products (specific microorganism amplicon and control amplicon) are diluted in the hybridization solution and come into contact with the strip.

When flowing along the strip, the specific and control amplicons react with the complementary probes coupled to colloidal gold.

When reaching the visualization zone, the complexes of specific and control amplicons and the colloidal gold conjugates, react with a second probe which is bound to the membrane, leading to a coloured band. The excess of conjugate reacts with a complementary probe on the control line.



Highly specific technique due to its double hybridization

The oligo probes -for specific and control amplicon- are immobilized in the membrane. The detection method is done by means of a double hybridization: on one hand with the immobilized probes in the membrane and on the other hand with a colloidal gold marker. The double hybridization avoids the detection of unspecific amplified fragments which would lead to false positives in any other technique.

One of the most affordable techniques in Molecular Biology

Since its creation, Speed-oligo® was conceived as a technique that brings the advantages of Molecular Biology closer to the daily work in most of the laboratories.

Minimal equipment required

Speed-oligo® is also considered an affordable technique because of the little equipment required. It is possible to assay the complete technique just by using a thermocycler and thermoblock, very usual instruments in current laboratories. Moreover, these instruments can also be used for other techniques conducted in the laboratory, avoiding thus space problems.

Stands out for its fast results

In just 5 minutes hybridization of the strips takes place and it is followed by the reading and interpretation of the results, visual or automatically: for visual reading the kit includes a reading and interpretation card, for an automatic reading Vircell offers a software applied to a scanner. Please contact us for further information (sales@vircell.com)

Very easy technology that requires little manipulation

Vircell R+D Department has considered all the possible features maintaining the easy performance of the technique. Neither specific knowledge nor previous experience to conduct or interpret the technique are required.

Maintaining the lowest level of manipulation is another important feature performed by the team that has developed Speed-oligo®. The product contains all the necessary reagents to conduct the technique including prepared PCR mix. This characteristic implies an important reduction in time and avoids possible contaminations.

Avoids using hazardous substances

Speed-oligo® incorporates all the advantages of the Molecular Biology in a quick detection, avoiding the use of ethidium bromide. This new technology solves the revealing and interpretation of the PCR technique in an easy and fast way.

Offers possibilities for the multitest diagnosis

Speed-oligo® technology is characterized by double hybridization, which allows the diagnosis of different parameters in the same strip. This concept may result very useful in some cases such as the identification of mycobacteria or the detection of the bacterial meningitis causing agents.



Quick Visual Oligochromatography

PRODUCT FEATURES

- High sensitivity and specificity
- Fast- test results within 90 minutes
- Easy to use- no handling of toxic substances
- Cost effective- minimum equipment required
- Lyophilized presentation- transport costs savings
- Prepared PCR mix- prevents contaminations
- Allows for multitest detection

Single tests

Ordering Information

Chlamydomphila pneumoniae

Cat. No.	Pack size
SP003	SPEED-OLIGO® CHLAMYDOPHILA PNEUMONIAE 40 tests

Group B Streptococcus

Cat. No.	Pack size
SP004	SPEED-OLIGO® GROUP B STREPTOCOCCUS* 40 tests

Legionella pneumophila

Cat. No.	Pack size
SP002	SPEED-OLIGO® LEGIONELLA PNEUMOPHILA 40 tests

Mycoplasma pneumoniae

Cat. No.	Pack size
SP001	SPEED-OLIGO® MYCOPLASMA PNEUMONIAE 40 tests

Multitests

Ordering Information

Bacterial meningitis

Cat. No.	Pack size
SP006	SPEED-OLIGO® BACTERIAL MENINGITIS 24 tests 3 test lines for <i>Streptococcus pneumoniae</i> , <i>Haemophilus influenzae</i> and <i>Neisseria meningitidis</i>

Bordetella

Cat. No.	Pack size
SP011	SPEED-OLIGO® BORDETELLA 40 tests 3 test lines for <i>B. parapertussis</i> , <i>Bordetella sp.</i> and <i>B. pertussis</i>

Influenza A

Cat. No.	Pack size
SP015	SPEED-OLIGO® NOVEL INFLUENZA A H1N1 40 tests 2 test lines for influenza A and pandemic influenza A H1N1

Mycobacteria

Cat. No.	Pack size
SP005	SPEED-OLIGO® MYCOBACTERIA* 40 tests 7 test lines for <i>M. tuberculosis</i> complex, <i>M. avium/ intracellulare/ scrofulaceum</i> complex, <i>M. chelonae/ abscessus</i> complex, <i>M. fortuitum</i> , <i>M. kansasii/ gastri</i> complex, <i>M. gordonae</i> and <i>Mycobacterium</i> genus. (For culture identification)
SP016	SPEED-OLIGO® DIRECT MYCOBACTERIUM TUBERCULOSIS** 40 tests 2 test lines for <i>Mycobacterium</i> genus and <i>M. tuberculosis</i> complex. (For direct samples)

Combi products

Ordering Information

Bacterial pneumonia

Cat. No.	Pack size
SP008	SPEED-OLIGO® BACTERIAL PNEUMONIA COMBI 24 tests 3 types of strips for <i>Chlamydomphila pneumoniae</i> , <i>Legionella pneumophila</i> and <i>Mycoplasma pneumoniae</i> (3x8 tests)

* reagents for a rapid extraction included in the kit
** reagents for a rapid extraction from respiratory samples included in the kit

Products under development

At Vircell we seek for innovation, therefore our R&D Department continues with new products development. Please consult our Sales Department for information on other products available.

- SPEED-OLIGO® CHAGAS
- SPEED-OLIGO® DENGUE
- SPEED-OLIGO® ENTEROVIRUS
- SPEED-OLIGO® RSV & METAPNEUMOVIRUS
- SPEED-OLIGO® TOXOPLASMA

VIRapid®

Immunochromatographic tests

Immunochromatographic tests have been a popular platform for diagnostic tests since their introduction. The ability to provide test results rapidly to the patient is one of the most important properties that make rapid diagnostic tests useful.

PRODUCT FEATURES

- **Rapid detection- Visual reading in few minutes**
- **User friendly protocol with little manipulation**
- **All the necessary reagents included in the kit**
- **Product control line on each device**
- **Based on specific and highly purified antigens or antibodies (conjugate and line)**

Ordering Information

Hydatidosis (*Echinococcus granulosus*)

Cat. No.	Pack size
VR004 VIRapid® HYDATIDOSIS total antibodies detection	25 tests

Legionella- culture identification

Cat. No.	Pack size
VR002 VIRapid® LEGIONELLA CULTURE antigen detection and identification after culture (multitest)	25 tests

Infectious mononucleosis

Cat. No.	Pack size
VR001 VIRapid® MONO M&G antibody detection (multitest)	25 tests

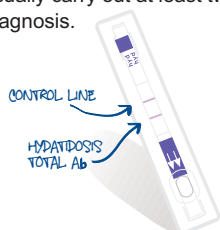
Tularemia (*Francisella tularensis*)

Cat. No.	Pack size
VR006 VIRapid® TULAREMIA total antibodies detection	10 tests

Hydatidosis- total antibody detection

The diagnosis of hydatidosis is usually carried out by imaging techniques such as ultrasound scan or X-ray. However, symptoms of hydatid cyst must be always confirmed by serological assays as it can be confused with other pathologies.

The serological results depend on a large number of factors such as antigen quality, used technique, affected organ, number of hydatid cysts and the variability of immune responses. Due to the variable sensitivity of the different tests, many laboratories usually carry out at least two different techniques for their routine diagnosis.

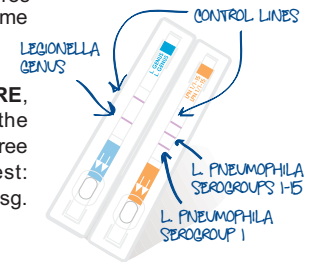


VIRapid® HYDATIDOSIS is the first immunochromatographic test in the market for total antibody detection and offers important benefits for both, big and small laboratories, in prevalent areas.

Legionella- antigen detection and identification after culture

In some countries prevention controls for legionellosis are compulsory in facilities using water for its operation, producing aerosol and being located inside and outside buildings of collective use, industrial facilities and means of transport. The official technique according to the regulation is bacterial culture in specific media, and the subsequent detection and identification with commercial tests available in the market. Vircell offers an interesting alternative to process positive cultures with a simple protocol and reading time of just 30 minutes.

VIRapid® LEGIONELLA CULTURE, with multitest format allows for the detection and identification of the three main groups with clinical interest: *Legionella* genus, *L. pneumophila* sg. 1 and *L. pneumophila* sg. 1-15.

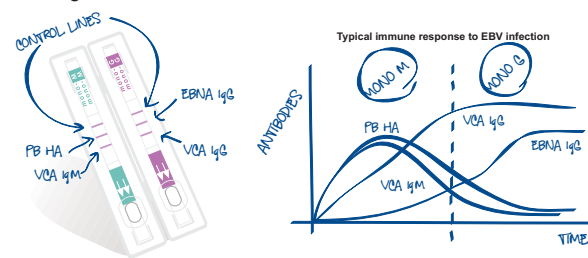


Infectious mononucleosis- antibody detection

Epstein-Barr virus (EBV) is one of the most common human viruses and it is present worldwide.

When infection with EBV occurs during adolescence or young adulthood, it causes infectious mononucleosis 35% to 50% of the times. Antibodies to several antigen complexes may be measured for detection of Epstein-Bar virus. These antigens are the viral capsid antigen (VCA), the early antigen (EA), and the EBV nuclear antigen (EBNA).

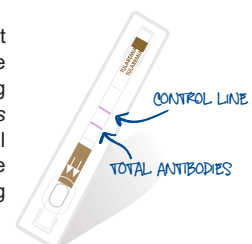
VIRapid® MONO M&G is a diagnostic alternative in multitest format that allows the simultaneous detection of the 4 main serological markers for EBV infection.



Tularemia- total antibody detection

The diagnosis of tularemia by culture can be challenging because the organism grows poorly on routine culture medium. The low sensitivity of culture methods together with the lack of standardization in PCR methodology, make serological assay the most widely used tool for the diagnosis of tularemia.

VIRapid® TULAREMIA is the first immunochromatographic test in the market for *F. tularensis* detection, using a lipopolysaccharide from *F. tularensis* membrane, for both conjugate (colloidal gold) and test line, to improve the specificity of the assay while maintaining a high sensitivity.



Transport Media

Collection and transport system for virus, chlamydia and mycoplasma

The success of virus diagnosis largely depends on the quality of the specimen and the conditions under which the specimen is transported and stored before it is processed in the laboratory.

Vircell's transport medium avoids the drying up of the sample, improves microorganisms viability between collection and inoculation, and decreases bacterial overgrowth in contaminated samples.

Assay procedure

Collect the sample with a sterile swab and put the swab into the tube containing the transport medium. Cut off the end of the swab stick standing out of the tube, taking care not to touch the rim of the tube. Close the tube tightly and fill in the data of the patient, type of sample and date and hour of collection.

Send to the laboratory for analysis at room temperature. For prolonged transport, use a refrigerated delivery service at 2-8°C.

PRODUCT FEATURES

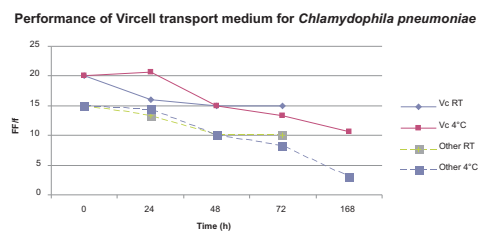
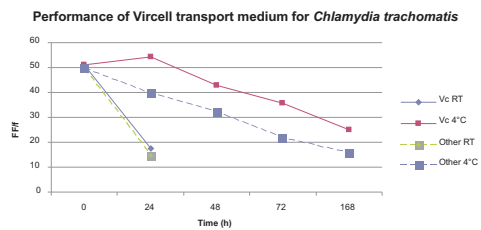
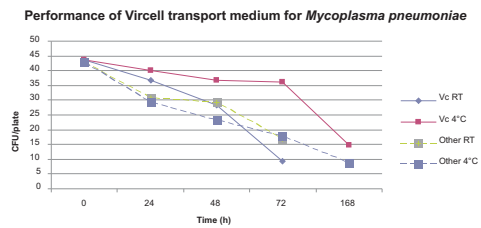
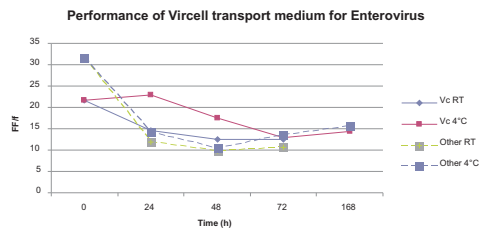
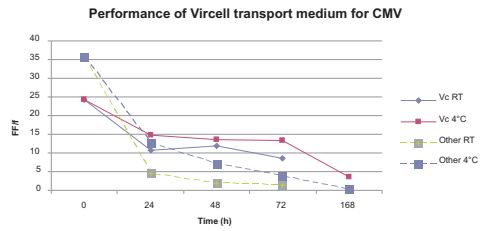
- Versatile medium, valid for different types of samples, microorganisms and diagnostic methods
- Avoids the drying up of the sample
- Improves microorganisms viability between collection and inoculation, and decreases bacterial overgrowth in contaminated samples
- Room temperature viability
- Easily breakable swabs
- Suitable for samples to be assayed by PCR
- Customized solution- product available in different formats

Ordering Information

Cat. No.		Pack size
TM001	TRANSPORT MEDIUM 50 x 2 ml with 2 sterile Rayon swabs	50 units
TM002	TRANSPORT MEDIUM 50 x 3 ml (without swab)	50 units
TM003*	TRANSPORT MEDIUM 50 x 2 ml with 1 sterile Dacron® swab	50 units
TM004	TRANSPORT MEDIUM 1 x 100 ml (without swab)	1 unit
TM005*	TRANSPORT MEDIUM 50 x 2 ml (without swab)	50 units
TM006*	TRANSPORT MEDIUM 50 x 2 ml with 2 sterile Dacron® swabs	50 units
TM008*	TRANSPORT MEDIUM 50 x 3 ml with 1 sterile Flocked swab	50 units

* only manufactured upon request

Performance studies



Cell lines

Cell lines for clinical virology

With the appropriate cells, Clinical Virology does not present any more difficulties than Clinical Bacteriology. It is possible to solve 90% of the identifications just performing simple immunofluorescence, by using fluorescein-labelled antibodies.

With the application of aggressive therapeutic diets for cancer treatment, the enormous development of organ transplants and the appearance of AIDS, the serious viral infections- which often lead to the death of the patient- are common today. On the other hand, the availability of effective treatments has increased the need for a rapid and exact diagnosis of these infections.

A lot of the information that a clinical virology laboratory can provide is also of epidemiological interest: isolation of new variants of the influenza virus, outbreaks of meningitis, conjunctivitis or pneumonia, etc.

Vircell offers most of the cell lines used in cell culture-based microbiological diagnosis, specially those used in human clinical virology.

Our catalogue includes presentations for the isolation of Cytomegalovirus, Herpes Simplex, respiratory viruses (Influenza, Respiratory Syncytial Virus), enterovirus, *C. pneumoniae*, *C. trachomatis* or Toxoplasma, among others.

For meeting customer needs we offer ready-to-use presentations (shell vials and tubes) and other presentations (flasks and suspensions) for preparing cell tubes and plates.

Tubes

No.: 24 pcs
Dim.: 16 x 120 mm



Shell Vials

No.: 24 pcs
Dim.: 16 x 50 mm

Flasks

75 or 150 cm²



Suspensions

Vol.: 30 ml (10⁶ cells/ml)

Ordering Information

Cell mixture

Cat. No.		Pack size
VSMX	A-549+HEp+MDCK shell vials	24 units

A-549

Cat. No.		Pack size
FTA5	A-549 flask (75 or 150cm ²)	1 unit
VSA5	A-549 shell vials	24 units
VTA5	A-549 tubes	24 units

BGM

Cat. No.		Pack size
FTBG	BGM flask (75 or 150cm ²)	1 unit
VSBG	BGM shell vials	24 units
VTBG	BGM tubes	24 units

HEp-2

Cat. No.		Pack size
FTHE	HEp-2 flask (75 or 150cm ²)	1 unit
VSHE	HEp-2 shell vials	24 units
VTHE	HEp-2 tubes	24 units

LLC-MK₂

Cat. No.		Pack size
FTLL	LLC-MK ₂ flask (75 or 150cm ²)	1 unit
VSLL	LLC-MK ₂ shell vials	24 units
VTLL	LLC-MK ₂ tubes	24 units

McCoy

Cat. No.		Pack size
FTMC	McCoy flask (75 or 150cm ²)	1 unit
VSMC	McCoy shell vials	24 units

MDCK

Cat. No.		Pack size
FTMD	MDCK flask (75 or 150cm ²)	1 unit
VSMD	MDCK shell vials	24 units
VTMD	MDCK tubes	24 units

MDCK-SIAT1

Cat. No.		Pack size
FTMS	MDCK -SIAT1 flask (75 or 150cm ²)	1 unit

MRC-5

Cat. No.		Pack size
FTMR	MRC-5 flask (75 or 150cm ²)	1 unit
SMR	MRC-5 suspension	1 unit
VSMR	MRC-5 shell vials	24 units
VTMR	MRC-5 tubes	24 units

RD

Cat. No.		Pack size
FTRD	RD flask (75 or 150cm ²)	1 unit
VSRD	RD shell vials	24 units
VTRD	RD tubes	24 units

Vero E6

Cat. No.		Pack size
FTV6	Vero E6 flask (75 or 150cm ²)	1 unit

Vero

Cat. No.		Pack size
FTVE	Vero flask (75 or 150cm ²)	1 unit
VSVE	Vero shell vials	24 units
VTVE	Vero tubes	24 units

For other cell lines or other formats, please contact us at sales@vircell.com

Monoclonal Antibodies

Staining and inoculation kits

Monoclonal antibodies are monospecific antibodies: homogeneous reagents containing a single type of antibody molecule. They can be produced in vitro, avoiding the variability associated to different lots of polyclonal antibodies.

Due to its high specificity, monoclonal antibodies are specially well suited for immunofluorescence techniques, minimising cross-reactions and background fluorescence. Useful tools for direct staining of samples, they are the perfect complement for the identification of pathogens isolated in cell culture, specially through the shell-vial technique.

Vircell offers kits containing monoclonal antibodies and controls (staining kits) and complete kits (inoculation and staining kits) for direct investigation of those viruses, bacteria and protozoa associated with human infections, usually diagnosed by cell culture. Complete kits include monoclonal antibody, controls, shell-vials of the appropriate cell line, antibiotic mixture and growth medium.

Ordering Information

Adenovirus

Cat. No.		Pack size
ACADN	ADENOVIRUS MAb	80 tests
KADN	ADENOVIRUS MAb & CULTURE	24 tests

Chlamydia trachomatis

Cat. No.		Pack size
ACCHTR	CHLAMYDIA TRACHOMATIS MAb	80 tests
KCHTR	CHLAMYDIA TRACHOMATIS MAb & CULTURE	24 tests

Chlamydia pneumoniae

Cat. No.		Pack size
ACCHPN	CHLAMYDIA PNEUMONIAE MAb	80 tests
KCHPN	CHLAMYDIA PNEUMONIAE MAb & CULTURE	24 tests

Cytomegalovirus

Cat. No.		Pack size
ACCMV	CYTOMEGALOVIRUS MAb	80 tests
KCMV	CYTOMEGALOVIRUS MAb & CULTURE	24 tests
KCMV-2	CYTOMEGALOVIRUS MAb & CULTURE	12 tests

Enterovirus

Cat. No.		Pack size
ACENT	ENTEROVIRUS MAb	80 tests
KENT	ENTEROVIRUS MAb & CULTURE	24 tests

Herpes simplex virus 1+2

Cat. No.		Pack size
ACHERP	HERPES SIMPLEX 1+2 MAb	80 tests
KHERP	HERPES SIMPLEX 1+2 MAb & CULTURE	24 tests

Influenza

Cat. No.		Pack size
ACINF	INFLUENZA A AND B MAb (40+40 tests)	80 tests
KINF	INFLUENZA A AND B MAb & CULTURE	24 tests
ACINFA	INFLUENZA A MAb	40 tests
KINFA	INFLUENZA A MAb & CULTURE	24 tests

Parainfluenza

Cat. No.		Pack size
ACPI	PARAINFLUENZA 1+2+3 MAb	80 tests

Respiratory syncytial virus

Cat. No.		Pack size
ACVSR	RSV MAb	80 tests
KVSR	RSV MAb & CULTURE	24 tests

Respiratory virus

Cat. No.		Pack size
ACRES	RESPIRATORY VIRAL SCREENING MAb <i>Mix for adenovirus, influenza A+B, RSV and parainfluenza MAb in a single vial</i>	40 tests
KVSXR	RESPIRATORY VIRUS MAb & CULTURE <i>Separate vials for adenovirus, influenza A+B, RSV and parainfluenza 1+2+3 MAb</i>	24 tests

Toxoplasma gondii

Cat. No.		Pack size
ACTOXO	TOXOPLASMA MAb	80 tests
KTOXO	TOXOPLASMA MAb & CULTURE	24 tests

Ordering information

Ordering

When placing an order, please let us know full description, product catalogue number, unit size and quantity required. Please include any special instructions, as well as the correct billing and shipping address.

Orders can be placed by fax or e-mail. Orders by phone are accepted but written confirmation is always required.

Free samples policy

Free of charge samples are available for testing purposes. Please, contact us at sales@vircell.com to obtain our sample request form.

Order modification and cancellation

Any order modification requires a new purchase order to be placed.

In the event of an order cancellation, written notice of the cancellation is required one week in advance for cell culture orders, and three days in advance for the rest of product lines.

Prices and terms

Prices

Ex works prices in effect when your order is received will apply, except in the case of standing orders which extend to the following year.

The validity period for preorders/orders awaiting prepayment will be one month. After one month, new confirmation of the order is required.

Shipping

Freight charges will be added to your invoice, unless otherwise specified.

Technical support

Our Technical Department will offer you technical and scientific support. Any technical difficulty that may appear in the daily work at laboratories using our products will be addressed on-line within the following 24 hours.

For technical assistance, please contact us at:
customerservice@vircell.com



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