

Infectious Disease

Manufacture and Supply of Antibodies and Antigens



Experienced Provider of Immunological Reagents

We have over 30 years experience in the manufacture and supply of antibodies and antigens for commercial applications.

Not only do we offer one of the most extensive product ranges, all our products are supported by ISO certified quality assurance.

Our in-house antibody production capabilities allow us to offer our clients a customized approach to reagent supply. Our services include HuCAL® custom monoclonal antibody generation for rapid synthesis of antibodies that are not commercially available.

We offer a complete range of products & services

- Antibodies to viral, respiratory, gastrointestinal, vector-borne, sexually transmitted, and veterinary diseases
- Recombinant proteins for use in immunoassays
- Flexible manufacturing capabilities
- HuCAL recombinant custom antibody generation

Can't find the perfect antibody? We'll make it!

HuCAL PLATINUM® (Human Combinatorial Antibody Library) is a synthetic library of 45 billion fully human antibodies in Fab format. HuCAL and CysDisplay® (a proprietary, advanced form of phage display) are used to generate high affinity and high specificity fully human antibodies, without immunization of animals.

- *In vitro* technology, no immunization of animals
- Guided selection strategies to achieve challenging specificities
- Established technology, over 20,000 unique antibodies generated since 2003
- Secure and consistent antibody supply
- Greater than 90% success rate

For information on our entire range of 400 infectious disease reagents visit our website or speak to your Bio-Rad representative.

Extensive Range of Ready-made Antibodies & Antigens

Viral Diseases

Adenovirus*
Astrovirus*
Coronavirus
Cytomegalovirus*
Dengue virus*
Ebola virus
Epstein-Barr virus*
Hantavirus Puumala virus
Hepatitis A*
Hepatitis B*
Hepatitis C*
Herpes simplex virus*
Human immunodeficiency virus*
Influenza A*
Influenza A H1N1*
Influenza A H3N2
Influenza H5
Influenza B*
Marburg virus
Metapneumovirus
Mumps virus*
Papillomavirus
Parainfluenza virus*
Parvovirus B19
Poliovirus
Rabies virus
Respiratory syncytial virus*
Rotavirus
Rubella virus*
Rubeola
Simian virus 5
Vaccinia virus
Varicella zoster virus*
Vesicular stomatitis virus
West Nile virus*
Yellow fever virus*

Sexually Transmitted Diseases

Candida albicans
Chlamydia pneumoniae
Chlamydia trachomatis*
Neisseria gonorrhoeae*
Streptococcus B
Treponema pallidum*

Gastrointestinal

Brucella abortus
Campylobacter fetus
Campylobacter jejuni
Cholera
Clostridium botulinum
Clostridium difficile
Cryptosporidium
Diphtheria
Escherichia coli
Helicobacter pylori
Listeria monocytogenes
Salmonella
Shigella boydii
Shigella dysenteriae
Tetanus toxin*

Respiratory Diseases

Adenovirus*
Anthrax
Bordetella pertussis
Influenza A*
Influenza B*
Klebsiella
Legionella pneumophila
Mycobacterium tuberculosis
Mycoplasma bovis
Mycoplasma pneumoniae*
Neisseria meningitidis
Parainfluenza virus*
Pseudomonas aeruginosa
Respiratory syncytial virus*
SARS envelope protein
Staphylococcus aureus
Streptococcus pneumoniae

Vector-borne Diseases

Borrelia burgdorferi*
Canine heartworm
Giardia lamblia
Leishmania
Plasmodium falciparum*
Plasmodium vivax*
Schistosoma mansoni
Toxoplasma gondii*
Trypanosoma brucei
Trypanosoma cruzi
Yersinia pestis

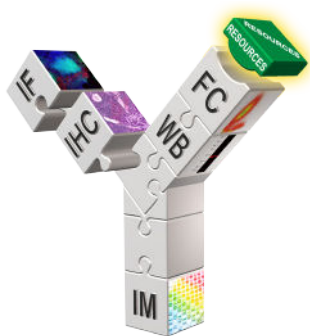
Veterinary Diseases

Anthrax
Borrelia burgdorferi*
Brucella abortus
Burkholderia mallei
Canine distemper virus
Canine heartworm
Canine parvovirus
CD230/PrPSc
Coronavirus
Equine Rotavirus
Feline leukemia virus
Foot-and-mouth disease
Giardia lamblia
Kudoa thyrsites
Marek's disease virus
Newcastle disease virus
Parvovirus B19
Porcine Rotavirus
Rabies virus
Vesicular stomatitis virus

*Antigen available in addition to antibody.

**No Experiment is
Complete Without All
the Pieces**

Complete yours at
www.bionova.es



New Application Resources:

To design, control and optimize your flow cytometry, IF, IHC and immunoassay experiments.

- Comprehensive application guides
- Detailed information on experimental controls
- Easy-to-follow protocols
- Hands-on tips and tricks

BIO-RAD

**Bio-Rad
Laboratories, Inc.**