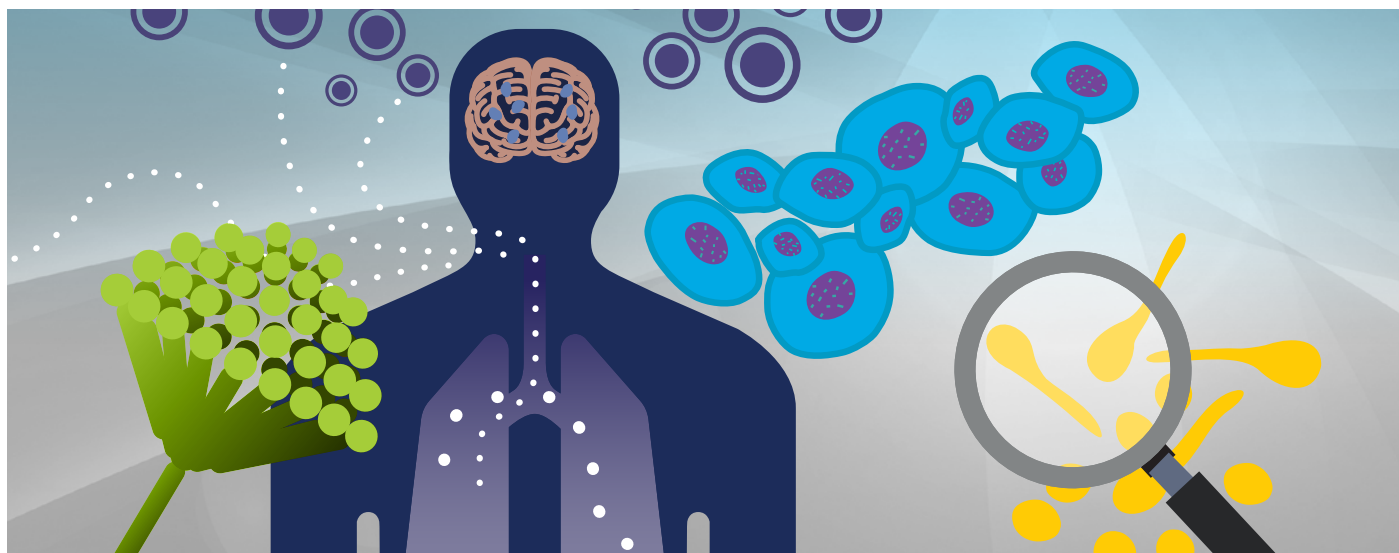




Mycology

From more than 20 years, Bio-Rad has supported every step of your mycology testing challenges.

Regardless the type of fungal infection to be detected or diagnosed, Bio-Rad offers a comprehensive solution and its expertise designed to provide rapid results, because patient survival depends on early diagnosis and rapid initiation of appropriate antifungal therapy.

Disclaimer: Bio-Rad products and services in this document may be for sale or available only in certain countries.

Please consult your local Bio-Rad representative for full details on the availability of our products and services in your region.

Serological Testing for Invasive Mycology



Sharing Expertise to Save Lives

Bio-Rad offers an unique range of serological immunoassay reagents for detecting antigens of *Candida*, *Aspergillus*, and *Cryptococcus neoformans* as well as antibodies using standardized antigens of *Candida* and *Aspergillus*.

Our EIA microplate-based assays for mycology testing can be performed using manual, semi-automated, or fully-automated instrument systems including our [EVOLIS Systems](#).

- **Make Effective, Timely Decisions:** Bio-Rad assays are designed for quick time-to-results, because when invasive fungal infections spread, time matters for patients
- **Be Confident:** Galactomannan and mannan biomarkers are recommended in international guidelines for the detection of invasive aspergillosis and invasive candidiasis, respectively
- **Join the Leaders:** We've expanded our mycology product portfolio and expertise! Today, our Platelia *Aspergillus* Ag Assay is broadly used by mycology experts around the world

Bio-Rad also offer the MonoFluo *P. jirovecii* IFA Test Kit, an immunofluorescent antibody test kit for the detection and identification of *Pneumocystis jirovecii* (*P. carinii*) in respiratory tract specimens.



[Start a conversation](#)



[Contact your Bio-Rad sales representative to get the Mycosis Pathogens Poster \(16393\)](#)



[Watch the video to learn more about the full range of Bio-Rad mycology testing solutions](#)

Aspergillosis

Platelia *Aspergillus* Ag Assay

Semi-quantitative immunoenzymatic sandwich microplate assay for the detection of *Aspergillus* galactomannan (GM) antigen in adult and pediatric serum specimens and bronchoalveolar lavage (BAL) fluid specimens.

When used in conjunction with other diagnostic procedures (such as microbiological culture, histological examination of biopsy specimens and radiographic evidence), the Platelia *Aspergillus* Ag Test can be used as an aid in the diagnosis of invasive aspergillosis, notably for neutropenic patients or patients treated with immunosuppressants and corticosteroids.

The Platelia *Aspergillus* Ag Test can also be used as an aid to monitor antifungal treatment efficacy based on GM index evolution.

- **Rapid and reliable:** unique and high-performance tool for GM antigen detection enabling physicians to rapidly provide antifungal treatment to either adult or pediatric patients
- **Brings peace of mind:** semi-quantitative results (GM index values) to monitor the course of the infection
- **Join the leaders:** GM antigen is among the mycological criteria defined by the EORTC/MSG consensus group
- **Highly flexible:** can be used with either manual or semi-automated systems (IPS, PR 4100, PW 40) or fully automated microplate processing systems (EVOLIS, EVOLIS Twin Plus) in combination with other assays in the same run
- **Secured Automated Processing:** APFs validated by Bio-Rad to run the assay on EVOLIS and EVOLIS Twin Plus systems



[Platelia *Aspergillus* Ag Assay Brochure \(16043\)](#)



Contact your Bio-Rad representative to get the:

- [Platelia *Aspergillus* Ag Assay Bibliography 289 Reference List](#)
- [Platelia *Aspergillus* Ag Assay Bibliography Selection List](#)

NEW



Listed on the following regulatory certifications: CE, FDA, CFDA, TGA, PMDA, ANVISA, TFDA, Health Canada, COFEPRIS



[Start a conversation](#)



[Check out our featured webinar on Aspergillosis](#)

Ordering Information

Catalog #	Description
62794	Platelia <i>Aspergillus</i> Ag , 96 tests

Related Products: [Platelia *Aspergillus* Verification Panel](#), [Automated microplate systems](#), [EVOLIS System](#), [EVOLIS Twin Plus System](#), [PR 4100](#), [PW 40](#), [IPS](#).



Platelia *Aspergillus* Ag Verification Panel**NEW**

Panel of 6 sera containing different levels of *Aspergillus* galactomannan, intended to be used periodically with the Bio-Rad Platelia *Aspergillus* Ag Assay to:

- Verify the operator's proficiency in running the Bio-Rad Platelia *Aspergillus* Ag Assay during training, before testing patient specimens
- Ensure proper performance of the laboratory equipment used
- Assist in process troubleshooting and equipment maintenance

Ordering Information

Catalog #	Description
62792	Platelia <i>Aspergillus</i> Ag Verification Panel , 1 test of 6 panel members

Related Product: *Platelia Aspergillus Ag Assay*.

**Platelia *Aspergillus* IgG Assay**

2-phase indirect microplate immuno-enzymatic technique used to detect IgG anti-*Aspergillus* antibodies in human serum or plasma.

This assay is an aid for the diagnosis of patients at risk for Allergic Broncho-Pulmonary Aspergillosis (ABPA) and Chronic Pulmonary Aspergillosis (CPA).

It can also be used to monitor IgG concentration for ABPA and CPA at-risk patients.

- **Reliable:** uses highly purified recombinant *Aspergillus* antigen in a standardized EIA procedure
- **Highly flexible:** can be used with either manual or semi-automated systems (IPS, PR 4100, PW 40) or fully automated microplate processing systems (EVOLIS, EVOLIS Twin Plus) in combination with other assays in the same run
- **Secured Automated Processing:** APFs validated by Bio-Rad to run the assay on EVOLIS and EVOLIS Twin Plus systems

Ordering Information

Catalog #	Description
62783	Platelia <i>Aspergillus</i> IgG , 96 tests

Related Products: *Automated microplate systems, EVOLIS System, EVOLIS Twin Plus System, PR 4100, PW 40, IPS.*



Platelia Aspergillus IgG Assay Brochure (16449)



Start a conversation



Check out our featured webinar on Aspergillosis



Platelia *Aspergillus* IgG Negative and Positive Controls

Quality control human sera to be used with Platelia *Aspergillus* IgG Assay (cat. #62783).

- **Brings peace of mind:** monitors the reliability of laboratory testing procedures for the detection of anti-*Aspergillus* IgG antibodies

**Ordering Information**

Catalog #	Description
62786	Platelia <i>Aspergillus</i> IgG Negative and Positive Controls , 48 tests

Related Product: *Platelia Aspergillus IgG Assay.*

Candidiasis**Platelia *Candida* Ag Plus Assay**

One-stage sandwich immuno-enzymatic quantitative microplate assay used to detect mannan antigen of *Candida* in human serum or plasma specimens.

This kit can be used for screening or as an aid to the diagnosis of Invasive Candidiasis for at-risk patients. This kit should be used in association with Platelia *Candida* Ab Plus Assay (cat. # 62785) as a part of a complete diagnostic approach combining intrinsic and iatrogenic risk factors as well as clinical and mycological data.

It can also be used to monitor mannan concentration (in pg/mL) for at-risk patients.

- **Convenient and secured:** 96-well microplate with breakable strips, ready-to-use and colored reagents, visual control of sample dilution, and reagent deposit
- **Brings peace of mind:** quantitative results to monitor the course of the infection (pg/mL for antigen detection and AU/mL for antibody detection)
- **Reliable:** excellent specificity of 99.0%, and excellent sensitivity when combining antigen and antibody detection (84.3%) for ensuring faster initiation of appropriate treatment
- **Highly flexible:** can be used with either manual or semi-automated systems (IPS, PR 4100, PW 40) or fully automated microplate processing systems (EVOLIS, EVOLIS Twin Plus) in combination with other assays in the same run
- **Secured Automated Processing:** APFs validated by Bio-Rad to run the assay on EVOLIS and EVOLIS Twin Plus systems



Platelia Candida Ag Plus Assay/Platelia Candida Ab Plus Assay Brochure (16450)



Start a conversation

Ordering Information

Catalog #	Description
62784	Platelia <i>Candida</i> Ag Plus , 96 tests

Related Products: *Automated microplate systems, EVOLIS System, EVOLIS Twin Plus System, PR 4100, PW 40, IPS.*



Platelia *Candida* Ab Plus Assay

Two-step indirect immunoenzymatic quantitative microplate assay for the detection of anti-mannan total Ig antibodies in human serum or plasma specimens.

It can be used for screening or as an aid to the diagnosis of Invasive Candidiasis for at-risk patients as a part of a complete diagnostic approach combining intrinsic and iatrogenic risk factors as well as clinical and mycological data.

Platelia *Candida* Ab Plus Assay can also be used to monitor the anti-mannan antibodies concentration (in AU/mL) for at-risk patients.

It's recommended to use this kit in association with the Platelia *Candida* Ag Plus Assay (#62784) to improve the clinical sensitivity and the precocity of Invasive Candidiasis diagnosis.

- **Convenient and secured:** 96-well microplate with breakable strips, ready-to-use and colored reagents, visual control of sample dilution, and reagent deposit
- **Brings peace of mind:** quantitative results to monitor the course of the infection (pg/mL for antigen detection and AU/mL for antibody detection)
- **Reliable:** excellent specificity of 95.8%, and excellent sensitivity when combining antigen and antibody detection (84.3%) for ensuring faster initiation of appropriate treatment
- **Highly flexible:** can be used with either manual or semi-automated systems (IPS, PR 4100, PW 40) or fully automated microplate processing systems (EVOLIS, EVOLIS Twin Plus) in combination with other assays in the same run
- **Secured Automated Processing:** APFs validated by Bio-Rad to run the assay on EVOLIS and EVOLIS Twin Plus systems



Platelia Candida Ag Plus Assay/Platelia Candida Ab Plus Assay Brochure (16450)



Start a conversation

**Ordering Information**

Catalog #	Description
62785	Platelia <i>Candida</i> Ab Plus , 96 tests

Related Products: *Platelia Candida Ab Plus Negative and Positive Controls, Automated microplate systems, EVOLIS System, EVOLIS Twin Plus System, PR 4100, PW 40, IPS.*

**Platelia *Candida* Ab Plus Negative and Positive Controls**

Quality control human sera to be used with Platelia *Candida* Ab Plus Assay (cat. #62785).

- **Brings peace of mind:** monitors the precision of laboratory testing procedures for the detection of anti-*Candida* mannan antibodies

Ordering Information

Catalog #	Description
62787	Platelia <i>Candida</i> Ab Plus Negative and Positive Controls , 48 tests

Related Product: *Platelia Candida Ab Plus Assay.*



Cryptococcosis

Pastorex Crypto Plus

Latex agglutination test for the detection of soluble *Cryptococcus neoformans* antigens in biological fluids (serum, C.S.F., B.A.L., urine).

Ordering Information

Catalog #	Description
61747	Pastorex Crypto Plus , 60 tests

Related Product: [HIV Offer](#).



Pneumocystosis

MonoFluo *P. jirovecii* IFA Test Kit

Immunofluorescent antibody test kit for the detection and identification of *Pneumocystis jirovecii* (*P. carinii*) in respiratory tract specimens.

- **Convenient and rapid:** ready-to-use reagents, one-step procedure, 45 minutes turnaround time
- **Reliable:** excellent performance (sensitivity: 100% and specificity: 95.8%)
- **Easy to read and interpret:** excellent visualization of all *P. jirovecii* life cycle forms (oocysts, sporozoites, trophozoites)



Contact your Bio-Rad representative to get the MonoFluo *P. jirovecii* IFA Test Flyer (16204)

Ordering Information

Catalog #	Description
32515*	MonoFluo <i>P. jirovecii</i> IFA Test Kit , 24 tests

Related Product: [HIV Offer](#).



* Non CE-Marked.

Identification by Culture Method



Based on its expertise in the field of microbiology, Bio-Rad offers culture media based products for the detection and identification of yeasts and molds in non-invasive mycosis.

Get accurate yeast & mold identification:

- Our convenient range of conventional Sabouraud agar media allows for the isolation and cultivation of yeasts and filamentous fungi (dermatophytes, molds)
- CandiSelect Agar, our selective chromogenic media, gives a rapid result by the direct identification of *Candida albicans* from 24 hours, and the presumptive identification of other *Candida* with reliable acknowledged performances
- AuxaColor 2, our standardized microplate for the identification of 33 other yeast species (other than *C. albicans*), is based on sugar assimilation tests and enzymatic tests

Get the most appropriate antifungal treatment for your needs:

- Our standardized media and impregnated disks with antifungal agents for the susceptibility testing of yeasts, for systemic infections as well as for local infections
- FUNGITEST Kit, our standardized microplate designed for the management of mucocutaneous infectious and invasive yeast infections



Contact your Bio-Rad representative to get the Mycology Culture Media Based Method Brochure (PF360)

Chromogenic Medium

CandiSelect

Selective chromogenic medium designed for the isolation of yeasts, includes direct identification of *C. albicans* over 24 hours and presumptive identification of other pathogenic yeast species over 24-48 hours, in particular, *C. tropicalis*, *C. glabrata* and *C. krusei*.

- Detection and easy visualization of mixed cultures by bright and colorful colonies is enhanced on an opaque white agar background
- Direct identification of *Candida albicans* in 24 hours
- Presumptive identification of *C. glabrata* and *C. krusei*, which may be fluconazole resistant, helps to provide faster recommendations for empiric treatment
- Differentiation of *C. parapsilosis* and *C. guilliermondii*
- Flexibility with a 6-month shelf-life



C. albicans



C. tropicalis



C. krusei



C. glabrata



C. albicans, *C. tropicalis*,
C. glabrata and *C. krusei*



C. tropicalis,
C. glabrata and *C. krusei*



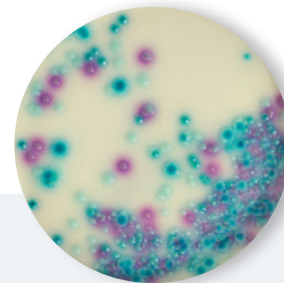
Contact your Bio-Rad representative to get the CandiSelect Flyer (16045)



Contact your Bio-Rad representative to get the CandiSelect Poster (16386)



Contact your Bio-Rad representative to get the Mycology Culture Media Based Method Brochure (PF360)



Ordering Information

Catalog #	Description
63740	CandiSelect , 20 x 90 mm plates

Conventional Media

Sabouraud Chloramphenicol Agar

Rich selective isolation medium used to facilitate the growth of yeasts and filamentous fungi (dermatophytes and other fungi) in all types of clinical specimens, particularly when presenting an abundant associated bacterial flora (sputum, stools, nails, hair).

Sabouraud Chloramphenicol Gentamicin Agar

Rich selective isolation medium to facilitate the growth of yeasts and filamentous fungi (dermatophytes and other fungi) in all types of clinical specimens, particularly when presenting an abundant associated bacterial flora (sputum, stools, nails, hair).

- Several formats available
- Slanted tubes with differentiated colored caps to facilitate bench work
- Large slope for optimal dermatophyte colony development
- Compliant with the European Pharmacopoeia

Sabouraud Chloramphenicol Gentamicin Actidione Agar

Rich selective isolation medium used to facilitate the growth of dermatophytes and other pathogenic fungi in all types of clinical specimens, particularly when presenting an abundant associated bacterial flora (sputum, stools, nails, hair).

Ordering Information

Catalog #	Description
64644	Sabouraud Chloramphenicol Agar , 500 g
56594	Sabouraud Chloramphenicol Agar , 25 x 8 mL slanted tubes
63774	Sabouraud Chloramphenicol Gentamicin Agar , 20 x 90 mm plates
56596	Sabouraud Chloramphenicol Gentamicin Actidione Agar , 25 x 8 mL slanted tubes



Identification Microplate

AuxaColor 2

Standardized yeast identification system based on sugar assimilation tests and enzymatic tests. The growth of yeasts is visualized by the color change of a pH indicator.

- Efficient patient management: allows the identification of 33 yeast species most commonly isolated in clinical specimens including *Cryptococcus neoformans* (by detection of the phenoloxidase activity)
- Easy: single-step inoculation procedure
- Reliable colorimetric reading interpreted by a scoring methodology

Opacity Standard Kit for AuxaColor 2, FUNGITEST

Set of opacity controls for the preparation of yeast inoculum for the Bio-Rad AuxaColor 2 and FUNGITEST Kits.



Contact your Bio-Rad representative to get the AuxaColor2 Brochure (17545)



Contact your Bio-Rad representative to get the AuxaColor2 Interpretation Guide (16266)

Ordering Information

Catalog #	Description
56513	AuxaColor 2 Kit , 20 tests
56499	Opacity Standard Kit for AuxaColor 2, FUNGITEST , 2 vials

Related Product: *FUNGITEST Kit.*



Antifungal Susceptibility Testing



Bio-Rad offers a relevant line of antifungal susceptibility disks for semi-quantitative in vitro susceptibility testing of previously isolated pure cultures of fungi.

Antifungal Microplate

FUNGITEST

Rapid colorimetric test to determine susceptibility of yeasts to six antifungal agents by broth dilution method (10 tests).

- User-friendly ready-to-use kit
- Light 100 μ L inoculum in each well (1 McF)
- 48 h incubation at 37°C, or 72h at 32°C for *C. neoformans*
- Reliable testing based on broth dilution method
- Simple colorimetric reading

Opacity Standard Kit for AuxaColor 2, FUNGITEST

Set of opacity controls for the preparation of yeast inoculum for the Bio-Rad AuxaColor 2 and FUNGITEST kits.



Ordering Information

Catalog #	Description
60780*	FUNGITEST Kit , 10 tests
56499*	Opacity Standard Kit for AuxaColor 2, FUNGITEST , 2 vials

* Non CE-Marked.