

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.

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



Serological Diagnosis 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



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

Aspergillosis

Platelia Aspergillus Ag

Immunoenzymatic sandwich microplate assay for the detection of *Aspergillus* galactomannan antigen in adult and pediatric serum samples and bronchoalveolar lavage (BAL) fluid samples. It can be used manually or on automated systems.

- **Rapid and reliable:** unique and high-performance tool for galactomannan antigen detection enabling physicians to screen, monitor and diagnose invasive aspergillosis and rapidly provide the antifungal treatment patients need
- **Brings peace of mind:** semi-quantitative results to monitor the course of the infection
- **Join the leaders:** galactomannan antigen is among the mycological criteria defined by the EORTC/MSG consensus group
- **Convenient:** non-invasive procedure performed in serum that allows twice-weekly screening for at-risk patients



[Platelia Aspergillus Ag Assay brochure \(16043\)](#)



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[Listed on the following regulatory certifications: CE, FDA, CFDA, TGA, PMDA, ANVISA, TFDA, Health Canada, COFEPRIS](#)



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

Ordering Information

Catalog #	Description
62794	Platelia Aspergillus Ag , 96 tests

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





Platelia *Aspergillus* Proficiency Panel

Six-member panel for EQAS control for *Platelia Aspergillus* Ag (3 x 6 tests).

- **Brings peace of mind:** checks if the *Platelia Aspergillus* Ag assay is correctly handled by using this proficiency panel



Ordering Information

Catalog #	Description
62792	Platelia <i>Aspergillus</i> Proficiency Panel, 3 x 6 tests

Related Product: [Platelia *Aspergillus* Ag](#).

Platelia *Aspergillus* IgG

Indirect microplate immunoenzymatic technique to detect anti-*Aspergillus* IgG in human serum or plasma. It can be used manually or on automated systems.

- **Reliable** the *Platelia Aspergillus* IgG assay uses highly purified recombinant *Aspergillus* antigen in a standardized EIA procedure. It is designed with high sensitivity and specificity for the detection of anti-*Aspergillus* antibodies in immunocompetent patients suffering from various forms of chronic aspergillosis



[Platelia *Aspergillus* IgG Assay brochure \(16449\)](#)



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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 Negative and Positive Controls

Human serum controls used for monitoring the reliability of the *Platelia Aspergillus* IgG assay.

- **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](#).

Candidiasis

Platelia *Candida* Ag Plus

Immunoenzymatic sandwich microplate assay for the detection of circulating mannan *Candida* antigen in human serum or plasma. It can be used manually or on automated systems.

- **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 sensitivity when combining antigen and antibody detection (sensitivity: 82.4% and specificity: 99.1%) for ensuring faster initiation of appropriate treatment



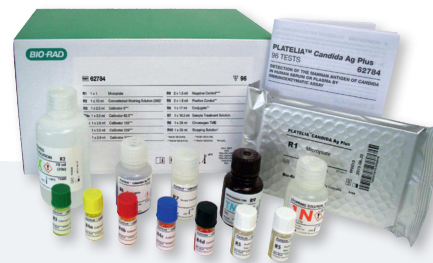
[Platelia *Candida* Ag Plus Assay/Platelia *Candida* Ab Plus Assay brochure \(16450\)](#)



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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

Indirect immunoenzymatic microplate assay for the detection of anti-mannan total antibodies in human serum or plasma. It can be used manually or on automated systems.

- **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 sensitivity when combining antigen and antibody detection (sensitivity: 82.4% and specificity: 99.1%) for ensuring a faster initiation of appropriate treatment



[Platelia *Candida* Ag Plus Assay/Platelia *Candida* Ab Plus Assay brochure \(16450\)](#)



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Ordering Information

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

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

Platelia *Candida* Ab Plus Negative and Positive Controls

Human serum controls used for monitoring the reliability of the Platelia *Candida* Ab Plus assay.

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



Ordering Information

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

Related Product: Platelia *Candida* Ab Plus.

Cryptococcosis

RDT CryptoPS Kit

Rapid assay for the semi-quantitative detection of *Cryptococcus* sp. antigen in serum, plasma, whole blood and CSF.

- Rapid, easy-to-use unitary assay
- Convenient and handy
- Enhanced patient management

With simple testing in just 10 minutes and no extraction step, the RDT CryptoPS Assay is perfect for *Cryptococcus* antigen screening. The semi-quantitative assay, with two different cut-off levels, ensures a facilitated patient triage. And a titration protocol is available for proceeding to serial dilutions.



[RDT CryptoPS Assay brochure \(PF325\)](#)



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

[Watch how simple is the RDT CryptoPS assay technical procedure](#)



[Start a conversation](#)



Ordering Information

Catalog #	Description
70725	RDT CryptoPS Kit, 20 tests

Related Product: HIV Offer.

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).



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

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)



Watch the video to learn more about the full range of Bio-Rad mycology testing solutions



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.*

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, 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, 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

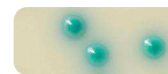
CandiSelect

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*.

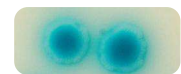
- Detection and easy visualization of mixed cultures by bright and colorful colonies is enhanced on an opaque white agar background
- Direct identification of *Candida albicans* in 24 hours
- Presumptive identification of *C. glabrata* and *C. krusei*, which may be fluconazole resistant, helps to provide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



C. albicans



C. tropicalis



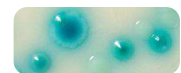
C. krusei



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 Agar

Selective medium designed for the growth of fungi from biological specimens not containing associated bacterial flora. The culture of fungi to allow their subsequent identification. Sterility tests on pharmaceutical products (medium recommended by the Codex of the French Pharmacopoeia) or food products, where the tubes must be incubated in the incubator or at laboratory temperature for two weeks. The dehydrated medium can also be used as a base for the preparation of enriched media: blood media, vitamin media.

Sabouraud Agar + Chloramphenicol

Selective medium designed for the selective isolation of yeasts and filamentous fungi (dermatophytes and other fungi) from biological specimens presenting an abundant associated bacterial flora: sputum, stools, nails, hair.

Sabouraud Agar + Chloramphenicol + Gentamicin

Selective medium designed for the isolation of all species of yeasts and filamentous fungi from biological specimens presenting mixed fungal and bacterial flora. The presence of chloramphenicol and gentamicin inhibits the growth of almost all bacterial species. (Prepared according to medium C of the European Pharmacopoeia.)

- For all types of clinical samples
- Several formats available
- Slanted tubes with differentiated colored caps to facilitate bench work
- Large slope and agar for optimal dermatophyte colony development
- Compliant with the European Pharmacopoeia

Sabouraud Agar + Chloramphenicol + Actidione

Selective medium designed for the isolation of dermatophytes (*Trichophyton*, *Epidermophyton*, *Microsporum*) and other pathogenic fungi (such as *Sporothricum*, *Histoplasma*, *Blastomyces*, *Coccidioides*) from biological specimens, particularly when contaminated by mixed fungal and bacterial flora.

Sabouraud Agar + Chloramphenicol + Gentamicin + Actidione

Selective medium designed for the isolation of dermatophytes and other pathogenic fungi from biological specimens, particularly when contaminated by mixed fungal and bacterial flora. Actidione inhibits the growth of saprophytic fungi, but also that of certain yeasts (*Candida tropicalis*, *Candida glabrata*, *Cryptococcus neoformans*) and some strains of *Aspergillus* and *Fusarium*.



Ordering Information

Catalog #	Description
56524	Sabouraud Agar , 25 x 8 mL slanted tubes
64494	Sabouraud Agar (dehydrated) , 500 g
64644	Sabouraud Agar + Chloramphenicol , 500 g
56594	Sabouraud Agar + Chloramphenicol + Gentamicin , 25 x 8 mL slanted tubes
63774	Sabouraud Agar + Chloramphenicol + Gentamicin , 20 x 90 mm plates
56559	Sabouraud Agar + Chloramphenicol + Actidione , 6 x 100 mL vials
56596	Sabouraud Agar + Chloramphenicol + Gentamicin + Actidione , 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*.

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.



Antimicrobial/Antifungal Susceptibility Testing brochure (16515)

Susceptibility Agar Media

Casitone

Solid culture medium for susceptibility testing of fungi to antifungal agents (except 5-fluorocytosine) by the agar disk diffusion method.

Semi-Synthetic

Solid culture medium for susceptibility testing of fungi to 5-fluorocytosine by the agar disk diffusion method.



Ordering Information

Catalog #	Description
55813	Casitone Agar , 25 x 15 mL tubes
55812	Semi-Synthetic Agar , 25 x 15 mL tubes

Antifungal Disks

Antifungal disks are used to perform semi-quantitative antifungal susceptibility testing using the disk diffusion method.

Ordering Information

Catalog #	Description
62846	5-fluorocytosine (1 µg) , 50 disks
62806	Amphotericin B (100 µg) , 50 disks
62856	Nystatin (100 IU) , 50 disks
62816	Clotrimazole (50 µg) , 50 disks
62826	Econazole (50 µg) , 50 disks
62866	Ketoconazole (50 µg) , 50 disks
62836	Miconazole (50 µg) , 50 disks
62802	Fluconazole (25 µg) , 50 disks
62803	Voriconazole (1 µg) , 50 disks

Related Product: Mueller-Hinton.



Antifungal Microplate



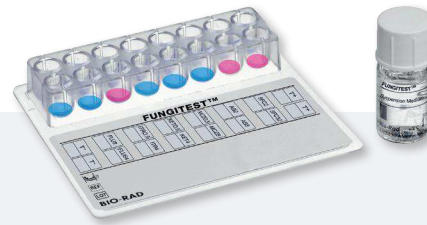
FUNGITEST

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