



BD BBL™ CHROMagar™

Report results faster, with easy identification and differentiation.¹



Your challenges

Microbiology laboratories face multiple challenges when using diagnostic tools to effectively identify and differentiate bacteria.

 Increasing sample volumes²

 Inefficient process/workflow²

 Lack of available skilled staff²

 Cost pressure²

Consequences of inefficiencies

If you work with standalone diagnostic solutions with no end-to-end approach, you're likely facing inefficient workflows that can compromise quality, increase your risk of errors, and reduce profitability.

 Errors that compromise quality

 Complex protocols

 Unnecessary workup

 Slower time to report results

 Loss of profitability

What if you could help optimize your workflow efficiency?


It's time to discover the positive impacts of BD BBL™ CHROMagar™

Watch your laboratory benefit from:



Fewer subculture and confirmatory tests¹

Overall cost savings and higher profitability³

Easier identification of mixed cultures¹

Reduced time to result and saved time on routine tests¹

We have manufactured high-quality BD BBL™ CHROMagar™ for microbiology laboratories for over 20 years

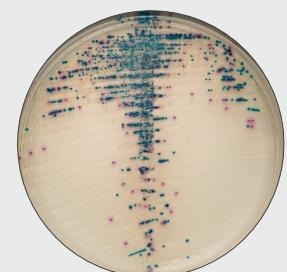


Would you benefit from the use of chromogenic media?

Identify with ease

- Streamline your organism identification and enhance differentiation in complex cultures¹
- Reduce the labor of your team and the consumables that your labs use¹
- Increases the efficiency on the urine bench¹

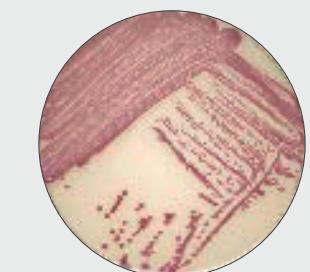
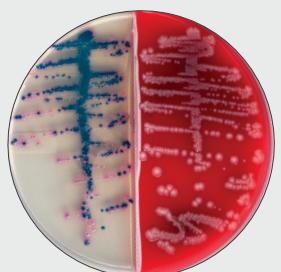
The BD BBL™ CHROMagar™ family uses a chromogen mix that releases colored compounds after degradation by specific microbial enzymes. You can visually detect the bacteria by a distinct color change within the colony, so you can easily differentiate species with minimal confirmatory tests.⁴



BD BBL™ CHROMagar™ Orientation⁵

BD BBL™ CHROMagar™ Orientation / TSA II I Plate™

- Direct identification of *Escherichia coli* and *Enterococcus*, and presumptive identification of most *Staphylococcus saprophyticus* and *Streptococcus agalactiae* as well as *Klebsiella-Enterobacter-Serratia* and *Proteus-Morganella-Providencia* groups
- This resulted in a 28% reduction in workload for additional follow-up and validation tests.¹
- Costs savings (primarily in labor).³



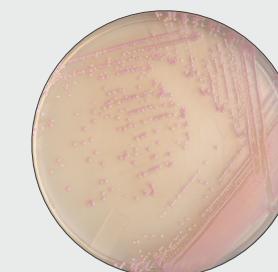
BD BBL™ CHROMagar™ MRSA⁶

- A selective, differential medium that allows you a qualitative, direct identification of MRSA.
- Validated for use with BD Kiesta™ MRSA imaging application for automated growth detection and color recognition to enable mauve color growth detection without confirmatory testing for nares specimens only.



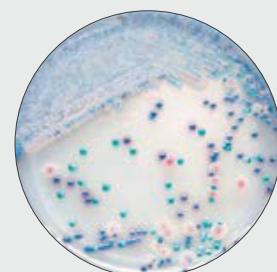
BD BBL™ CHROMagar™ MRSII / CHROMagar™ SA Bi-plate⁷

- The BD BBL™ CHROMagar™ MRSII side is a selective medium for the qualitative direct detection of nasal colonization by methicillin-resistant *Staphylococcus aureus* (MRSA) while BD BBL™ CHROMagar™ Staph aureus is a medium for the isolation, enumeration and identification of *Staphylococcus aureus*.⁷
- Read plates against a white background. Colonies of MRSA will appear mauve on the BD BBL™ CHROMagar™ MRSII medium. *S. aureus* will produce mauve to orange / mauve colored colonies on BD BBL™ CHROMagar™ Staph aureus medium.⁷



BD BBL™ CHROMagar™ Staph aureus⁸

- A selective medium for the isolation, enumeration and identification of *Staphylococcus aureus*.⁸
- After proper incubation, read plates against a white background. *S. aureus* will produce mauve to orange / mauve colored colonies on BD BBL™ CHROMagar™ medium. Most gram-positive organisms, if not inhibited, will produce blue, blue-green or natural color (colorless, white or cream) colonies. Gram-negative organisms and yeasts are partially to completely inhibited.⁸

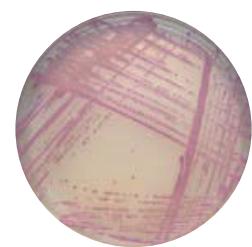


BD BBL™ Candida⁹

- Isolation and identification of *Candida albicans*, *C. tropicalis*, and *C. krusei* within 20-48 hours.*
- Various studies indicate that further identification tests are not necessary.⁹
- Can also be used as a selective isolation medium for other yeast species and for filamentous fungi.

* Note that an incubation of 48 hours is required for full color development of the colonies.

The BBL™ CHROMagar™ family



BD BBL™ CHROMagar™ Orientation

Staphylococcus saprophyticus



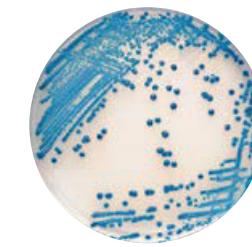
BD BBL™ CHROMagar™ Orientation

Streptococcus agalactiae - Proteus



BD BBL™ CHROMagar™ Orientation

Porteus-Morganella-Providencia group



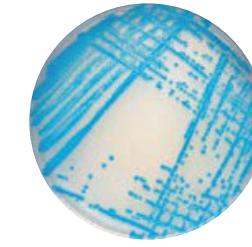
BD BBL™ CHROMagar™ Orientation

Klebsiella - Enterobacter - Serratia group



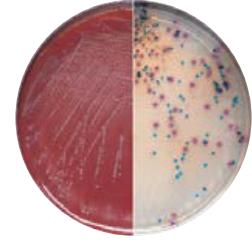
BD BBL™ CHROMagar™ Orientation

Escherichia coli



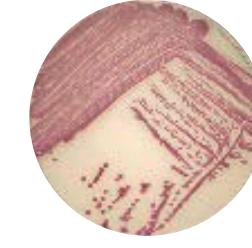
BD BBL™ CHROMagar™ Orientation

Enterococcus sp.



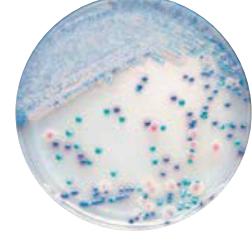
BD BBL™ CHROMagar™ Orientation / TSA II I Plate

E. coli - Enterococcus sp. - Proteus sp.



BD BBL™ CHROMagar™ MRSA II

*Methicillin Resistant
Staphylococcus aureus*



BD BBL™ CHROMagar™ Candida

C. albicans - C. tropicalis - C. krusei



BD BBL™ CHROMagar™ MRSAII / CHROMagar™ SA Bi-plate

*Staphylococcus aureus which is
methicillin resistant*

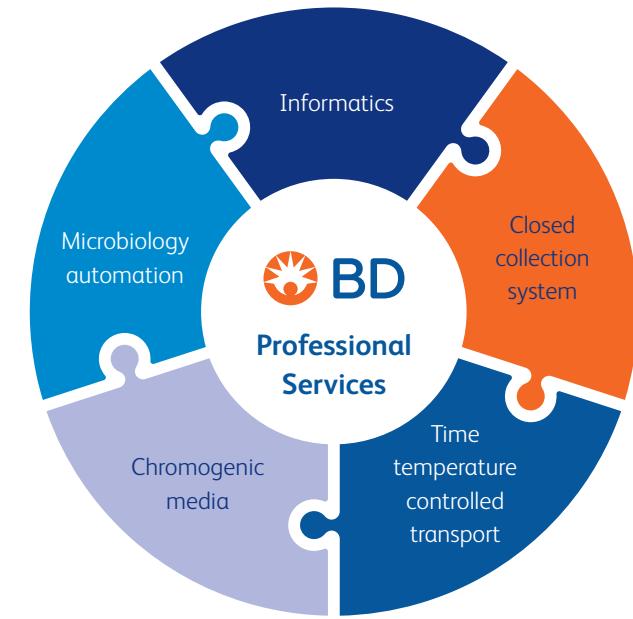
BD BBL™ CHROMagar

Cat. No.	Description	Quantity
214982	BD BBL™ CHROMagar™ Staph Aureus	20
215081	BD BBL™ CHROMagar™ Orientation	100
215228	BD BBL™ CHROMagar™ MRSA II	20
215229	BD BBL™ CHROMagar™ MRSA II	100
215421	BD BBL™ CHROMagar™ MRSAII / CHROMagar™ SA Bi-plate	100
222239	BD BBL™ CHROMagar™ Orientation / TSA II I Plate™	100
254093	BD BBL™ CHROMagar™ Candida	20

Discover the benefits of an integrated urine solution

BD can provide you with flexible microbiology testing capabilities from sample collection to result.

- Preserve the quality of your urine samples to improve diagnostic accuracy with BD Vacutainer.®¹⁰
- Reduce your workload through direct identification of *E. coli* and *Enterococcus* using BD BBL™ CHROMagar™ Orientation.^{1,3,5}
- BD Kiestra™ solutions are scalable, standalone or track connected microbiology solutions for inoculation, incubation, plate reading and automated preparation of follow up testing.
- The BD Kiestra™ Urine Culture Application uses digital imaging and software algorithms to determine the amount of growth on a urine culture plate from clean catch and catheterized samples.
- BD BBL™ CHROMagar™ Orientation has been validated as an acceptable medium for both identification and antimicrobial susceptibility testing on the BD Phoenix™ System.





BD can give you a solution for the full specimen pathway, from collection to result.

- 1 Manickam, K. CHROMagar Orientation Medium Reduces Urine Culture Workload. *JCM*. April 2013 vol 51(4)1179-1183.
- 2 Antonios K, Croxatto A, Culbreath K. Current State of Laboratory Automation in Clinical Microbiology Laboratory. *Clin Chem*. 2021 Dec 30;68(1):99-114. doi:10.1093/clinchem/hvab242.
- 3 D'Souza, HA, Baron, EJ, Practical Bench Comparison of BBL™ CHROMagar™ Orientation and Standard 2-Plate Media for Urine Cultures. *JCM*, Jan 2004, p.60-64.
- 4 Perry JD, Freydière AM. The application of chromogenic media in clinical microbiology. *J Appl Microbiol*. 2007 Dec;103(6):2046-55. doi: 10.1111/j.1365-2672.2007.03442.x.
- 5 BBL™ CHROMagar™ Orientation medium [BD product insert]. Franklin Lakes, NJ: Becton, Dickinson and Company; 2009.
- 6 BBL™ CHROMagar™ MRSA II BD [BD product insert]. Franklin Lakes, NJ: Becton, Dickinson and Company; 2009.
- 7 BBL™ CHROMagar™ MRSII / CHROMagar™ SA Bi-plate [BD product insert]. Franklin Lakes, NJ: Becton, Dickinson and Company; 2009.
- 8 BBL™ CHROMagar™ Staph aureus [BD product insert]. Franklin Lakes, NJ: Becton, Dickinson and Company; 2009.
- 9 BBL™ CHROMagar™ Candida [BD product insert]. Franklin Lakes, NJ: Becton, Dickinson and Company; 2009.
- 10 Stagg A, Lutz H, Kirpalaney S, et al. Impact of two-step urine culture ordering in the emergency department: a time series analysis. *BMJ Qual Saf*. 2018;27(2):140-147. doi:10.1136/bmjqqs-2016-006250.

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